

Bay Area Air Quality Management District

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

Final

MAJOR FACILITY REVIEW PERMIT

Issued To:
Shore Terminals, LLC
Facility #A0581

Facility Address:
90 San Pablo Ave.
Crockett, CA 94553

Mailing Address:
90 San Pablo Ave.
Crockett, CA 94553

Responsible Official
John Roller
General Manager
(510) 787-7294 x 110

Facility Contact
Ed Vegas
Terminal Manager
(510) 787-1076 x 104

Type of Facility: Marine Terminal
Primary SIC: 4226
Product: Receiving, Storing and Shipping
of Petroleum products

BAAQMD Permit Division Contact:
Thu H. Bui

ISSUED BY THE BAY AREA AIR QUALITY MANAGEMENT DISTRICT

Signed by Brian C. Bunger for Jack P. Broadbent
Jack P. Broadbent, Executive Officer/Air Pollution Control Officer

July 11, 2007
Date

TABLE OF CONTENTS

- I. STANDARD CONDITIONS..... 3
 - A. Administrative Requirements3
 - B. Conditions to Implement Regulation 2, Rule 6, Major Facility Review3
 - C. Requirement to Pay Fees.....4
 - D. Inspection and Entry5
 - E. Records5
 - F. Monitoring Reports.....5
 - G. Compliance Certification5
 - H. Emergency Provisions.....6
 - I. Severability.....6
- II. EQUIPMENT..... 7
- III. GENERALLY APPLICABLE REQUIREMENTS 9
- IV. SOURCE-SPECIFIC APPLICABLE REQUIREMENTS..... 11
- V. SCHEDULE OF COMPLIANCE..... 63
- VI. PERMIT CONDITIONS..... 63
- VII. APPLICABLE LIMITS & COMPLIANCE MONITORING REQUIREMENTS 77
- VIII. TEST METHODS 105
- IX. PERMIT SHIELD..... 109
- X. REVISION HISTORY..... 109
- XI. GLOSSARY..... 111

I. STANDARD CONDITIONS

A. Administrative Requirements

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

- BAAQMD Regulation 1 - General Provisions and Definitions
(as amended by the District Board on 5/2/01);
- SIP Regulation 1 - General Provisions and Definitions
(as approved by EPA through 6/28/99);
- BAAQMD Regulation 2, Rule 1 - Permits, General Requirements
(as amended by the District Board on 6/15/05);
- 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 3/06/02); and
- SIP Regulation 2, Rule 4 - Permits, Emissions Banking
(as approved by EPA through 1/26/99).

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

1. This Major Facility Review Permit was issued on March 12, 2001 and with an expiration date of February 28, 2006. The District did not issue a permit renewal by February 28, 2006. However, the permit holder submitted a complete application to renew this Major Facility Review Permit by no later than August 31, 2005 and by no earlier than February 28, 2005. Accordingly, the existing permit will continue in force until the District takes final action on the renewal application. **If a complete application for renewal had not been submitted in accordance with these deadlines, the facility would not have been permitted to operate after February 28, 2006.** , (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 Volume II, Part 3, §4.11)
4. This permit may be modified, revoked, reopened and reissued, or terminated for

I. Standard Conditions

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

I. Standard Conditions

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. (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 entry. (Regulation 2-6-501, Regulation 3; MOP Volume II, Part 3, §4.7)

F. Monitoring Reports

Reports of all required monitoring must be submitted to the District at least once every six months, except where an applicable requirement specifies more frequent reporting. The first reporting period for this permit was March 12, 2001 to August 31, 2001. The report was submitted on or by September 30, 2001. Thereafter, the reporting periods shall be September 1st through the last day of February and March 1st through August 31st. Reports are due on the last day of the month after the end of the reporting period. All instances of non-compliance shall be clearly identified in these reports. The reports shall be certified by the responsible official as true, accurate, and complete. In addition, all instances of non-compliance with the permit shall be reported in writing to the District's Compliance and Enforcement Division within 10 calendar days of the discovery of the incident. Within 30 calendar days of the discovery of any incident of non-compliance, the facility shall submit a written report including the probable cause of non-compliance and any corrective or preventative actions. The reports shall be sent to the following address:

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

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

G. Compliance Certification

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

I. Standard Conditions

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

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

H. Emergency Provisions

1. The permit holder may seek relief from enforcement action in the event of a breakdown, as defined by Regulation 1-208 of the District's Rules and Regulations, by following the procedures contained in Regulations 1-431 and 1-432. The District will thereafter determine whether breakdown relief will be granted in accordance with Regulation 1-433. (MOP Volume II, Part 3, §4.8)
2. The permit holder may seek relief from enforcement action for a violation of any of the terms and conditions of this permit caused by conditions beyond the permit holder's reasonable control 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. Any variance granted by the Hearing Board from any term or condition of this permit which lasts longer than 90 days will be subject to EPA approval. (MOP Volume II, Part 3, §4.8)
3. Notwithstanding the foregoing, 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

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	Gasoline Receiving Tank T-7901	External Floating Roof (welded)		3,360,000 gallons
2	Gasoline Receiving Tank T-7902	External Floating Roof (welded)		3,360,000 gallons
3	Gasoline Receiving Tank T-7903	External Floating Roof (welded)		3,360,000 gallons
5	Gasoline Storage Tank T-5001	External Floating Roof (welded)		2,100,000 gallons
6	Gasoline Storage Tank T-5002	External Floating Roof (welded)		2,100,000 gallons
11	Slops Tank T-101	Internal Floating Roof (welded)		420,000 gallons
12	Storage tank T-15101	External Floating Roof (welded)		6,300,000 gallons
15	Tank T-6402; 67 MBBL Gasoline Storage Tank	External Floating Roof (welded)		2,814,000 gallons
22	Gasoline Loading Rack (two Islands)			18 Fillers
23	Oil/Water Separator		API	7,000 gallons
24	Selby Terminal Gasoline Shipping Tank T-2401	External Floating Roof Tank (welded)		1,008,000 gallons
25	Selby Terminal Shipping tank Gasoline T-1501	External Floating Roof Tank (welded)		588,000 gallons
26	Water Storage Pond			105,699 gallons
27	Marine Vessel Loading			2 fillers
30	Tank T-6401; 67 MBBL Gasoline Storage Tank	External Floating Roof Tank (welded)		2,814,000 gallons
32	T-15102, MTBE/Gasoline Storage Tank	Fixed Roof Tank		6,300,000 gallons
33	T-20101, MTBE/gasoline storage tank	Fixed Roof Tank		8,022,000 gallons
34	T-20102, MTBE/gasoline storage tank	Fixed Roof Tank		8,022,000 gallons
35	T-20103, MTBE/gasoline storage tank	Fixed Roof Tank		8,022,000 gallons
36	T-20104, MTBE/gasoline storage tank	Fixed Roof Tank		8,022,000 gallons
37	T-20105, MTBE/gasoline storage tank	Fixed Roof Tank		8,022,000 gallons
38	T-20106, MTBE/gasoline storage tank	Fixed Roof Tank		8,022,000 gallons

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
39	T-20107, MTBE/gasoline storage tank	Fixed Roof Tank		8,022,000 gallons
40	T-20108, MTBE/gasoline storage tank	Fixed Roof Tank		8,022,000 gallons
41	T-20109, MTBE/gasoline storage tank	Fixed Roof Tank		8,022,000 gallons
42	T-20110, MTBE/gasoline storage tank	Fixed Roof Tank		8,022,000 gallons
43	T-20111, MTBE/gasoline storage tank	Fixed Roof Tank		8,022,000 gallons
44	T-3001, MTBE/gasoline storage tank	Fixed Roof Tank		1,260,000 gallons
46	Emergency Diesel Generator	Caterpillar	3304	161 HP, 1.02 MMBtu/hr

Table II B – Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
A-1	Vapor Recovery System	S-22	BAAQMD Condition # 12677 Part 8A	Infrared combustible gas detector/recorder measures hydrocarbon concentration	0.08 lb POC/1000 gal
A-421	Charcoal Adsorption Vapor Recovery unit	S-27, S-32 through S-44	BAAQMD Condition # 6185 Part 5, Part 15	Infrared combustible gas detector measures hydrocarbon concentration	1 lb POC/ 1000 barrel
A-422	Charcoal Adsorption Vapor Recovery unit	S-27, S-32 through S-44	BAAQMD Condition # 6185 Part 5, Part 15	Infrared combustible gas detector measures hydrocarbon concentration	1 lb POC/ 1000 barrel

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 would 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 SIP requirements is on EPA Region 9's 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 rule and the version of the rule in the SIP. All sources must comply with both versions of the rule until US EPA has reviewed and approved the District's revision of the regulation.

**Table III
 Generally Applicable Requirements**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)
BAAQMD Regulation 1	General Provisions and Definitions (5/2/01)	N
SIP Regulation 1	General Provisions and Definitions (6/28/99)	Y
BAAQMD Regulation 2, Rule 1	General Requirements (6/15/05)	N
BAAQMD 2-1-429	Federal Emissions Statement (6/7/95)	Y
SIP Regulation 2, Rule 1	General Requirements (1/26/99)	Y

IV. Source-specific 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 (6/15/05)	N
BAAQMD Regulation 4	Air Pollution Episode Plan (3/06/02)	N
SIP Regulation 4	Air Pollution Episode Plan (1/26/99)	Y
BAAQMD Regulation 5	Open Burning (3/6/02)	N
SIP Regulation 5	Open Burning (9/4/98)	Y
BAAQMD Regulation 6	Particulate Matter and Visible Emissions (12/19/90)	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 (6/15/94)	Y
BAAQMD Regulation 8, Rule 3	Organic Compounds – Architectural Coatings (11/21/01)	Y
BAAQMD Regulation 8, Rule 18	Organic Compounds – Equipment Leaks (9/5/04)	N
SIP Regulation 8, Rule 18	Valves and Connectors at Petroleum Complexes, Chemical Plants, Bulk Plants and Bulk Terminals (3/4/92)	Y
SIP Regulation 8, Rule 25	Pump and Compressor Seals at Petroleum Refineries, Chemical Plants, Bulk Plants and Bulk Terminals (6/1/94)	Y
BAAQMD Regulation 8, Rule 33	Organic Compounds – Waste (Oil-Water) Separators (6/1/94)	Y
BAAQMD Regulation 8, Rule 40	Organic Compounds - Aeration of Contaminated Soil and Removal of Underground Storage Tanks (6/15/05)	<u>Y</u>
BAAQMD Regulation 8, Rule 47	Organic Compounds - Air Stripping and Soil Vapor Extraction Operations (6/15/05)	<u>Y</u>
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 (7/17/02)	N
BAAQMD Regulation 11, Rule 2	Hazardous Pollutants - Asbestos Demolition, Renovation and Manufacturing (10/7/98)	Y
BAAQMD Regulation 12, Rule 4	Miscellaneous Standards of Performance - Sandblasting (7/11/90)	Y

IV. Source-specific Applicable Requirements

**Table III
 Generally Applicable Requirements**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)
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
40 CFR Part 61, Subpart M	National Emission Standards for Hazardous Air Pollutants – National Emission Standard for Asbestos (6/19/95)	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 SIP requirements is on EPA Region 9’s 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.

IV. Source-specific Applicable Requirements

Table IV – A
Source-specific Applicable Requirements
S-1, S-2, S-3, S-5, AND S-6
EXTERNAL 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-General Provisions (11/27/02)		
8-5-101	Description	Y	
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
8-5-112	Limited Exemption, Tanks in Operation	Y	
8-5-117	Exemption, Low Vapor Pressure	Y	
8-5-301	Storage Tanks Control Requirements	Y	
8-5-304	Requirements for External Floating Roofs	Y	
8-5-320	Tank fitting requirements	Y	
8-5-320.2	Openings in the roof	Y	
8-5-320.3	Gasketed Covers	Y	
8-5-320.4	Solid sampling or gauging wells	Y	
8-5-320.4.1	The well shall provide a projection below the liquid surface	Y	
8-5-320.4.2	The well shall be equipped with a cover	Y	
8-5-320.4.3	The gap between the well and the roof	Y	
8-5-320.5	Slotted sampling or gauging wells	Y	
8-5-320.5.1	The well shall provide a projection below the liquid surface	Y	
8-5-320.5.2	The well requirements	Y	
8-5-320.5.3	The gap between the well and the roof	Y	
8-5-320.6	Emergency roof drain	Y	
8-5-321	Primary seal requirements	Y	
8-5-321.1	No holes, tears, or other openings in the primary seal fabric	Y	
8-5-321.2	The seal shall be liquid mounted except as provided in 8-5-311.2.2	Y	
8-5-321.3	Metallic shoe type seals	Y	
8-5-321.3.1	Geometry of shoe	Y	
8-5-321.3.2	Gaps for welded tanks	Y	
8-5-322	Secondary seal requirements	Y	
8-5-322.1	No holes, tears, or other openings in the secondary seal	Y	
8-5-322.2	Insertion of probes	Y	
8-5-322.3	Gaps for welded tanks	Y	

IV. Source-specific Applicable Requirements

Table IV – A
Source-specific Applicable Requirements
S-1, S-2, S-3, S-5, AND S-6
EXTERNAL FLOATING ROOF TANKS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-5-322.5	For welded external floating roof tank with seal installed after September 4, 1985, no gap between tank shell and the secondary seal shall exceed 1.5 mm (0.06 in.). The cumulative length of all secondary seal gaps exceeding 0.5 mm (0.02 in.) shall be not more than 5% of the circumference of the tank excluding gaps less than 5 cm (1.79 in.) from vertical weld seams.	Y	
8-5-322.6	The secondary seal shall extend from the roof to the tank shell and shall not be attached to the primary seal.	Y	
8-5-328	Tank Degassing requirements	Y	
8-5-328.1.2	Concentration of <10,000 ppm as methane after cleaning	Y	
8-5-328.2	An approved Emission Control System	Y	
8-5-401	Primary seal inspection	Y	
8-5-401.1	Once every 10 years for tanks subject to 8-5-322.5	Y	
8-5-401.2	Tank Fitting Inspection	Y	
8-5-405	Information required	Y	
8-5-405.1	Date of inspection	Y	
8-5-405.2	Actual gap measurements	Y	
8-5-405.3	Data, supported calculation	Y	
8-5-501	Records	Y	
8-5-502	Tank cleaning annual source test requirement	Y	
8-5-503	Portable hydrocarbon detector	Y	
40 CFR 60	Standards of Performance for New Stationary Sources (12/23/71)	Y	
Subpart A	General Provisions	Y	
60.4(b)	Reports to EPA and District	Y	
60.7(a)	Written notification	Y	
60.7(b)	Records	Y	
60.8	Performance Tests	Y	
60.9	Availability of Information	Y	
60.11(a)	Compliance with standards and maintenance requirements	Y	
60.11(d)	Minimizing emissions	Y	
60.12	Circumvention	Y	
60.13	Reconstruction	Y	
60.19	General notification and reporting requirements	Y	
NSPS Part 60 Subpart Ka	Standards of Performance for Storage Vessels For Petroleum Liquid for Which Construction, Reconstruction, or Modification Commenced After May 18, 1978, and Prior to July 23, 1984	Y	

IV. Source-specific Applicable Requirements

Table IV – A
Source-specific Applicable Requirements
S-1, S-2, S-3, S-5, AND S-6
EXTERNAL FLOATING ROOF TANKS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.110(a)(a)	Applicability and designation of affected facility	Y	
60.112(a)(1)	External Floating Roof	Y	
60.113(a)(a)(1)	Testing and Procedures	Y	
60.115(a)(a)	Record period of storage and maximum true vapor pressure	Y	
60.115(a)(b)	True vapor pressure	Y	
60.115(a)(c)	Estimation of true vapor pressure	Y	
40 CFR 63	National Emission Standards for Hazardous Air Pollutants For Source Categories	Y	
Subpart A	General Provisions	Y	
63.4	Prohibited activities and circumvention	Y	
63.5	Construction and reconstruction	Y	
63.6	Compliance with standards and maintenance requirements	Y	
63.7	Performance testing requirements	Y	
63.8	Monitoring requirements	Y	
63.9	Notification requirements	Y	
63.10	Recordkeeping and reporting requirements	Y	
63.12	State authority and delegations	Y	
63.15	Availability of information and confidentiality	Y	
40 CFR Part 63 Subpart R	National Emission Standards for Gasoline Distribution Facilities (Bulk Gasoline Terminals and Pipeline Breakout Stations)	Y	
63.420(a)(1)	The affected source	Y	
63.420(b)(1)	Pipeline breakout	Y	
63.420(f)	Demonstrate compliance	Y	
63.420(g)	Most stringent control requirements	Y	
63.420(h)	Subpart A—General Provisions	Y	
63.420(j)	Rules Stayed for Reconsideration	Y	
63.423	Standards: Storage vessels	Y	
63.423(b)	Design as requirements of § 60.112(b)(a)	Y	
63.423(c)	Comply by December 15, 1997	Y	
63.424	Standards: Equipment Leaks	Y	
63.425	Test methods and procedures	Y	
63.425(d)	Comply with § 60.113b	Y	

IV. Source-specific Applicable Requirements

Table IV – A
Source-specific Applicable Requirements
S-1, S-2, S-3, S-5, AND S-6
EXTERNAL FLOATING ROOF TANKS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.427	Monitoring	Y	
63.427(c)	Monitoring requirements in § 60.116b; 5 years records	Y	
63.428	Reporting and recordkeeping	Y	
63.428(a)	The initial notification requirement	Y	
63.428(d)	Keep records and furnish reports	Y	
63.428(e)	Log book for each leak that is detected	Y	
BAAQMD Condition # 6185	Permit Conditions		
Part 16	6 tank degassing operations in any consecutive 12 month period [Basis: Cumulative Increase]	Y	
Part 17	Tank degassing shall be vented at all times to abatement devices [Basis: Regulation 8-5]	Y	
Part 23	No tank degassing during bulk liquid transfers, which are abated by A-421 and A-422 devices [Basis: Cumulative Increase]	Y	
Part 24	Record keeping for tank degassing operations [Basis: Cumulative Increase]	Y	
BAAQMD Condition # 12677	Permit Conditions		
Part 1	POC emission limitation [Basis: Cumulative Increase]	Y	
Part 3	CO emission limitation [Basis: Cumulative Increase]	Y	
Part 4	NOx (as NO2) emission limitation [Basis: Cumulative Increase]	Y	
Part 5	SO2 emission limitation [Basis: Cumulative Increase]	Y	
Part 6	PM10 emission limitation [Basis: Cumulative Increase]	Y	
Part 7	True vapor pressure \leq 11.0 psia [Basis: Cumulative Increase]	Y	
Part 11	No loading of products onto any vessel which has a maximum registered deadweight tonnage greater than 139,000 deadweight tons [Basis: Cumulative Increase]	Y	
Part 18	Submit report demonstrating compliance with permit conditions annually [Basis: Cumulative Increase]	Y	
Part 19	Submit report demonstrating compliance with permit conditions annually within 30 days after the calendar quarter [Basis: Cumulative Increase]	Y	

IV. Source-specific Applicable Requirements

Table IV – B
Source-specific Applicable Requirements
S-11 - INTERNAL FLOATING ROOF TANK

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 5	Organic Compounds-General Provisions (11/27/02)		
8-5-101	Description	Y	
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
8-5-112	Limited Exemption, Tanks in Operation	Y	
8-5-117	Exemption, Low Vapor Pressure	Y	
8-5-301	Storage Tanks Control Requirements	Y	
8-5-303	Requirements for Pressure Vacuum Valves	Y	
8-5-305	Requirements for Internal Floating Roofs	Y	
8-5-305.1	Tank Seals installed on or before February 1, 1993	Y	
8-5-305.2	Tank with Seals Installed after February 1, 1993	Y	
8-5-305.3	3 View Ports Requirements	Y	
8-5-305.4	Section 8-5-320 requirements	Y	
8-5-305.5	The Floating Roof Must Rest on Surface of Liquid	Y	
8-5-320	Tank fitting requirements	Y	
8-5-320.2	Opening shall provide projection below the liquid surface	Y	
8-5-320.3.1	All openings shall be equipped with a gasketed cover	Y	
8-5-320.3.2	Inaccessible openings	Y	
8-5-320.4	Solid sampling or gauging wells	Y	
8-5-320.5.1	Well shall provide projection below the liquid surface	Y	
8-5-320.5.2	The well requirements	Y	
8-5-320.5.3	The gap between the well and the roof	Y	
8-5-320.6	Emergency roof drain	Y	
8-5-321	Primary seal requirements	Y	
8-5-321.1	No holes, tears or other openings	Y	

IV. Source-specific Applicable Requirements

Table IV – B
Source-specific Applicable Requirements
S-11 - INTERNAL FLOATING ROOF TANK

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-5-321.2	Metallic or liquid mounted type shoes	Y	
8-5-321.3	Metallic shoes type seals	Y	
8-5-321.4	Resilient-toroid seal equipped tanks	Y	
8-5-322	Secondary seal requirements	Y	
8-5-322.1	No holes, tears, or other openings in the secondary seal	Y	
8-5-322.2	Insertion of probes	Y	
8-5-322.3	No gap between tank shell and the secondary seal shall exceed 1.3 cm (1/2 in)	Y	
8-5-322.4	Riveted tanks	Y	
8-5-322.5	Gaps for welded tanks with seal installed after September 4, 1985	Y	
8-5-322.6	Secondary seal	Y	
8-5-328	Tank Degassing Requirements	Y	
8-5-328.1.2	Concentration of <10,000 ppm as methane after cleaning	Y	
8-5-402	Internal Floating Roof Inspection	Y	
8-5-403	Pressure Vacuum Inspection	Y	
8-5-404	Certification	Y	
8-5-405	Information required	Y	
8-5-501	Records	Y	
8-5-502	Tank Degassing Annual Source Test Requirement	Y	
8-5-503	Portable hydrocarbon detector	Y	
40 CFR 60	Standards of Performance for New Stationary Sources (12/23/71)	Y	
Subpart A	General Provisions	Y	
60.4(b)	Reports to EPA and District	Y	
60.7(a)	Written notification	Y	
60.7(b)	Records	Y	
60.8	Performance Tests	Y	
60.9	Availability of Information	Y	
60.11(a)	Compliance with standards and maintenance requirements	Y	
60.11(d)	Minimizing emissions	Y	
60.12	Circumvention	Y	
60.13	Reconstruction	Y	
60.19	General notification and reporting requirements	Y	
NSPS Part 60 Subpart Ka	Standards of Performance for Storage Vessels For Petroleum Liquid for Which Construction, Reconstruction, or Modification Commenced After May 18, 1978, and Prior to July 23, 1984	Y	

IV. Source-specific Applicable Requirements

Table IV – B
Source-specific Applicable Requirements
S-11 - INTERNAL FLOATING ROOF TANK

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.110(a)(a)	Applicability and designation of affected facility	Y	
60.112(a)(1)	External Floating Roof	Y	
60.113(a)(a)(1)	Testing and Procedures	Y	
60.115(a)(a)	Record period of storage and maximum true vapor pressure	Y	
60.115(a)(b)	True vapor pressure	Y	
60.115(a)(c)	Estimation of true vapor pressure	Y	
40 CFR 63	National Emission Standards for Hazardous Air Pollutants For Source Categories	Y	
Subpart A	General Provisions	Y	
63.4	Prohibited activities and circumvention	Y	
63.5	Construction and reconstruction	Y	
63.6	Compliance with standards and maintenance requirements	Y	
63.7	Performance testing requirements	Y	
63.8	Monitoring requirements	Y	
63.9	Notification requirements	Y	
63.10	Recordkeeping and reporting	Y	
63.12	State authority and delegations	Y	
40 CFR Part 63 Subpart R	National Emission Standards for Gasoline Distribution Facilities (Bulk Gasoline Terminals and Pipeline Breakout Stations)	Y	
63.420(f)	Demonstrate compliance	Y	
63.420(g)	Subject to applicable provisions of 40 CFR part 60, subpart Kb	Y	
63.420(h)	Subject to the provisions of 40 CFR part 63, subpart A—General Provisions	Y	
63.420(j)	Rules Stayed for Reconsideration	Y	
63.423	Standards: Storage vessels		
63.423(a)	Requirements in § 60.112b(a) (1) through (4)	Y	
63.423(c)	Comply by December 15, 1997	Y	
63.425	Test methods and procedures	Y	
63.425(d)	Vessel subject to the provisions of § 63.423 shall comply with § 60.113b of this chapter	Y	
63.417(c)	Monitoring as required in § 60.116b	Y	
63.428	Reporting and recordkeeping	Y	
63.428(a)	The initial notifications	Y	
63.428(d)	Keep records and furnish reports	Y	

IV. Source-specific Applicable Requirements

**Table IV – B
 Source-specific Applicable Requirements
 S-11 - INTERNAL FLOATING ROOF TANK**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Condition # 6185	Permit Conditions		
Part 16	6 tank degassing operations in any consecutive 12 month period [Basis: Cumulative Increase]	Y	
Part 17	Tank degassing shall be vented at all times to abatement devices [Basis: Regulation 8-5]	Y	
Part 23	No tank degassing during bulk liquid transfers, which abated by A-421 and A-422 devices [Basis: Cumulative Increase]	Y	
Part 24	Record keeping for tank degassing operations [Basis: Cumulative Increase]	Y	
BAAQMD Condition # 12677	Permit Conditions		
Part 1	POC emission limitation [Basis: Cumulative Increase]	Y	
Part 3	CO emission limitation [Basis: Cumulative Increase]	Y	
Part 4	NOx (as NO2) emission limitation [Basis: Cumulative Increase]	Y	
Part 5	SO2 emission limitation [Basis: Cumulative Increase]	Y	
Part 6	PM10 emission limitation [Basis: Cumulative Increase]	Y	
Part 7	True vapor pressure \leq 11.0 psia [Basis: Cumulative Increase]	Y	
Part 11	No loading of products onto any vessel which has a maximum registered deadweight tonnage greater than 139,000 deadweight tons [Basis: Cumulative Increase]	Y	
Part 18	Submit report demonstrating compliance with permit conditions annually [Basis: Cumulative Increase]	N	
Part 19	Submit report demonstrating compliance with permit conditions annually within 30 days after the calendar quarter [Basis: Cumulative Increase]	N	

IV. Source-specific Applicable Requirements

Table IV – C
Source-specific Applicable Requirements
S-12, S-15, AND S-30 –
EXTERNAL 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-General Provisions (11/27/02)		
8-5-101	Description	Y	
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
8-5-112	Limited Exemption, Tanks in Operation	Y	
8-5-117	Exemption, Low Vapor Pressure	Y	
8-5-301	Storage Tanks Control Requirements	Y	
8-5-304	Requirements for External Floating Roofs	Y	
8-5-320	Tank fitting requirements	Y	
8-5-320.2	Openings in the roof	Y	
8-5-320.3	Gasketed Covers	Y	
8-5-320.4	Solid sampling or gauging wells	Y	
8-5-320.4.1	The well shall provide a projection below the liquid surface	Y	
8-5-320.4.2	The well shall be equipped with a cover	Y	
8-5-320.4.3	The gap between the well and the roof	Y	
8-5-320.5	Slotted sampling or gauging wells	Y	
8-5-320.5.1	The well shall provide a projection below the liquid surface	Y	
8-5-320.5.2	The well requirements	Y	
8-5-320.5.3	The gap between the well and the roof	Y	
8-5-320.6	Emergency roof drain	Y	
8-5-321	Primary seal requirements	Y	
8-5-321.1	No holes, tears, or other openings in the primary seal fabric	Y	
8-5-321.2	The seal shall be liquid mounted except as provided in 8-5-311.2.2	Y	
8-5-321.3	Metallic shoe type seals	Y	
8-5-321.3.1	Geometry of shoe	Y	
8-5-321.3.2	Gaps for welded tanks	Y	
8-5-322	Secondary seal requirements	Y	
8-5-322.1	No holes, tears, or other openings in the secondary seal	Y	
8-5-322.2	Insertion of probes	Y	
8-5-322.3	Gaps for welded tanks	Y	

IV. Source-specific Applicable Requirements

Table IV – C
Source-specific Applicable Requirements
S-12, S-15, AND S-30 –
EXTERNAL FLOATING ROOF TANKS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-5-322.5	For welded external floating roof tank with seal installed after September 4, 1985, no gap between tank shell and the secondary seal shall exceed 1.5 mm (0.06 in.). The cumulative length of all secondary seal gaps exceeding 0.5 mm (0.02 in.) shall be not more than 5% of the circumference of the tank excluding gaps less than 5 cm (1.79 in.) from vertical weld seams.	Y	
8-5-322.6	The secondary seal shall extend from the roof to the tank shell and shall not be attached to the primary seal.	Y	
8-5-328	Tank Degassing requirements	Y	
8-5-328.1.2	Concentration of <10,000 ppm as methane after cleaning	Y	
8-5-328.2	An approved Emission Control System	Y	
8-5-401	Primary seal inspection	Y	
8-5-401.1	Once every 10 years for tanks subject to 8-5-322.5	Y	
8-5-401.2	Tank Fitting Inspection	Y	
8-5-405	Information required	Y	
8-5-405.1	Date of inspection	Y	
8-5-405.2	Actual gap measurements	Y	
8-5-405.3	Data, supported calculation	Y	
8-5-501	Records	Y	
8-5-502	Tank cleaning annual source test requirement	Y	
8-5-503	Portable hydrocarbon detector	Y	
40 CFR 60	Standards of Performance for New Stationary Sources (12/23/71)	Y	
Subpart A	General Provisions	Y	
60.4(b)	Reports to EPA and District	Y	
60.7(a)	Written notification	Y	
60.7(b)	Records	Y	
60.8	Performance Tests	Y	
60.9	Availability of Information	Y	
60.11(a)	Compliance with standards and maintenance requirements	Y	
60.11(d)	Minimizing emissions	Y	
60.12	Circumvention	Y	
60.13	Reconstruction	Y	
60.19	General notification and reporting requirements	Y	

IV. Source-specific Applicable Requirements

Table IV – C
Source-specific Applicable Requirements
S-12, S-15, AND S-30 –
EXTERNAL FLOATING ROOF TANKS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
NSPS Part 60 Subpart Kb	Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984	Y	
60.110(b)(a)	Applicability and designation of affected facility	Y	
60.112(b)(a)(2)	External Floating Roof	Y	
60.113(b)(b)	Testing and Procedures	Y	
60.115(b)(b)	Reporting and recordkeeping requirements	Y	
60.116(b)	Monitoring of Operation	Y	
40 CFR 63	National Emission Standards for Hazardous Air Pollutants For Source Categories	Y	
Subpart A	General Provisions	Y	
63.4	Prohibited activities and circumvention	Y	
63.5	Construction and reconstruction	Y	
63.6	Compliance with standards and maintenance requirements	Y	
63.7	Performance testing requirements	Y	
63.8	Monitoring requirements	Y	
63.9	Notification requirements	Y	
63.10	Recordkeeping and reporting	Y	
63.12	State authority and delegations	Y	
40 CFR Part 63 Subpart R	National Emission Standards for Gasoline Distribution Facilities (Bulk Gasoline Terminals and Pipeline Breakout Stations)	Y	
63.420(f)	Demonstrate compliance	Y	
63.420(g)	Most stringent control requirements	Y	
63.420(h)	Subpart A—General Provisions	Y	
63.420(j)	Rules Stayed for Reconsideration	Y	
63.423	Standards: Storage vessels	Y	
63.423(a)	Requirements in § 60.112b(a) (1) through (4)	Y	
63.423(b)	External floating roof storage requirements in § 60.112b(a)(2)(ii)	Y	
63.423(c)	Comply by December 15, 1997	Y	
63.425	Test methods and procedures	Y	
63.425(d)	Comply with § 60.113b	Y	

IV. Source-specific Applicable Requirements

Table IV – C
Source-specific Applicable Requirements
S-12, S-15, AND S-30 –
EXTERNAL FLOATING ROOF TANKS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.427	Continuous monitoring	Y	
63.427(c)	Monitoring requirements in § 60.116b; 5 years records	Y	
63.428	Reporting and recordkeeping	Y	
63.428(a)	The initial notification requirement	Y	
63.428(d)	Keep records and furnish reports	Y	
BAAQMD Condition # 6185	Permit Conditions		
Part 16	6 tank degassing operations in any consecutive 12 month period [Basis: Cumulative Increase]	Y	
Part 17	Tank degassing shall be vented at all times to abatement devices [Basis: Regulation 8-5]	Y	
Part 23	No tank degassing during bulk liquid transfers, which are abated by A-421 and A-422 devices [Basis: Cumulative Increase]	Y	
Part 24	Record keeping for tank degassing operations [Basis: Cumulative Increase]	Y	
BAAQMD Condition # 12677	Permit Conditions		
Part 1	POC emission limitation [Basis: Cumulative Increase]	Y	
Part 3	CO emission limitation [Basis: Cumulative Increase]	Y	
Part 4	NOx (as NO2) emission limitation [Basis: Cumulative Increase]	Y	
Part 5	SO2 emission limitation [Basis: Cumulative Increase]	Y	
Part 6	PM10 emission limitation [Basis: Cumulative Increase]	Y	
Part 7	True vapor pressure \leq 11.0 psia [Basis: Cumulative Increase]	Y	
Part 11	No loading of products onto any vessel which has a maximum registered deadweight tonnage greater than 139,000 deadweight tons [Basis: Cumulative Increase]	Y	
Part 18	Submit report demonstrating compliance with permit conditions annually [Basis: Cumulative Increase]	Y	
Part 19	Submit report demonstrating compliance with permit conditions annually within 30 days after the calendar quarter [Basis: Cumulative Increase]	Y	

IV. Source-specific Applicable Requirements

Table IV - D
Source-specific Applicable Requirements
S-22 – GASOLINE LOADING RACKS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 6	Organic Compounds-Organic Liquid Bulk terminals and Bulk Plants (2/2/94)		
8-6-110	Exemption, Low Vapor Pressure Organic Liquids	Y	
8-6-111	Exemption, Low Throughput	Y	
8-6-114	Exemption, Maintenance and Repair	Y	
8-6-116	Exemption, Small Transportable Containers	Y	
8-6-117	Exemption, Liquefied Organic Gases	Y	
8-6-301	Bulk Terminal Limitations	Y	
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 Practice	Y	
8-6-403	Compliance Schedule	Y	
8-6-501	Records	Y	
8-6-502	Portable Hydrocarbon Detector	Y	
8-6-503	Burden of Proof	Y	
8-6-601	Efficiency and Rate Determination	Y	
8-6-603	Analysis of Samples, True Vapor Pressure	Y	
8-6-604	Determination of Applicability	Y	
BAAQMD Regulation 8, Rule 33	Organic Compounds-Gasoline bulk terminals and gasoline delivery vehicles (6/1/94)		
8-33-112	Tank Gauging and inspection	Y	
8-33-113	Maintenance and repair exemption	Y	
8-33-301	Final gasoline bulk terminal limitations	Y	
8-33-302	Vapor Recovery System requirement	Y	
8-33-303	Bottom fill requirement	Y	
8-33-304	Delivery vehicle requirements	Y	
8-33-304.1	Vapor Integrity Requirement	Y	
8-33-304.2	Vapor recovery requirement	Y	
8-33-304.4	Purging requirement	Y	
8-33-305	Equipment Maintenance	Y	

IV. Source-specific Applicable Requirements

Table IV - D
Source-specific Applicable Requirements
S-22 – GASOLINE 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 Part 60 Subpart XX	National Emission Standards for Bulk Gasoline Terminals	Y	
60.500(a)	Loading racks at a bulk gasoline terminal applicability	Y	
60.500(b)	December 17, 1980	Y	
60.502	Standard for VOC emissions from bulk gasoline terminals	Y	
60.502(a)	Vapor collection system requirement	Y	
60.502(b)	The atmospheric emission limits	Y	
60.502(c)	The vapor collection emission limits	Y	
60.502(d)	Prevent any VOC vapors collected at one loading rack from passing to another loading rack	Y	
60.502(e)	Vapor-tight gasoline tank trucks	Y	
60.502(e)(1)	The owner or operator shall obtain the vapor tightness documentation	Y	
60.502(e)(2)	Tank identification number requirement	Y	
60.502(e)(3)	Cross-check each tank identification number with the file of tank vapor tightness documentation	Y	
60.502(e)(4)	Notification of each nonvapor-tight gasoline tank truck	Y	
60.502(e)(5)	Vapor tightness documentation	Y	
60.502(e)(6)	Alternate procedures	Y	
60.502(f)	Vapor collection equipment	Y	
60.502(g)	Training drivers in the hookup procedures and posting visible reminder signs	Y	
60.502(h)	The vapor collection and liquid loading equipment	Y	
60.502(i)	No pressure-vacuum at a system pressure less than 4,500 pascals	Y	
60.502(j)	Inspection for organic compounds liquid or vapor leaks	Y	
60.503	Test methods and procedures	Y	
60.503(a)	Methods and procedures of test methods	Y	
60.503(b)	Method 21 to monitor for leakage of vapor	Y	
60.503(c)	Determine compliance with the standards	Y	
60.503(c)(1)	The performance test	Y	
60.503(c)(2)	Performance test for intermittent operation	Y	

IV. Source-specific Applicable Requirements

Table IV - D
Source-specific Applicable Requirements
S-22 – GASOLINE LOADING RACKS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.503(c)(3)	The emission rate (E) of total organic compounds	Y	
60.503(c)(4)	The performance test	Y	
60.503(c)(5)	Methods used to determine the volume (Vesi) air vapor mixture exhausted	Y	
60.503(c)(5)(ii)	Method 2A shall be used for all other vapor processing system	Y	
60.503(c)(6)	Method 25A or 25B shall be used for determining the total organics	Y	
60.503(c)(7)	Determine the volume (L) of gasoline dispensed	Y	
60.503(d)	Determine compliance with the standard	Y	
60.503(d)(1)	A pressure measurement device	Y	
60.503(d)(2)	Highest instantaneous pressure	Y	
60.505	Reporting and recordkeeping	Y	
60.505(a)	The tank truck vapor tightness documentation	Y	
60.505(b)	The documentation file for each gasoline tank truck	Y	
60.505(b)(1)	Gasoline Delivery Tank Pressure Test—EPA Reference Method 27	Y	
60.505(b)(2)	Tank owner and address	Y	
60.505(b)(3)	Tank identification number	Y	
60.505(b)(4)	Testing location	Y	
60.505(b)(5)	Date of test	Y	
60.505(b)(6)	Tester name and signature	Y	
60.505(b)(7)	Witnessing inspector, if any: Name, signature, and affiliation	Y	
60.505(b)(8)	Test results: Actual pressure change in 5 minutes, mm of water	Y	
60.505(c)	Inspection records	Y	
60.505(c)(1)	Date of inspection	Y	
60.505(c)(2)	Findings	Y	
60.505(c)(3)	Leak determination method	Y	
60.505(c)(4)	Corrective action	Y	
60.505(c)(5)	Inspector name and signature	Y	
60.505(d)	Documentation of all notifications	Y	
60.505(f)	Records of all replacements or additions of components	Y	
60.506	Reconstruction	Y	
60.506(a)	Cost calculations	Y	
60.506(b)	Fixed capital cost	Y	
40 CFR 63	National Emission Standards for Hazardous Air Pollutants for Source Categories	Y	

IV. Source-specific Applicable Requirements

Table IV - D
Source-specific Applicable Requirements
S-22 – GASOLINE LOADING RACKS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Subpart A	General Provisions	Y	
63.4	Prohibited activities and circumvention	Y	
63.5	Construction and reconstruction	Y	
63.6	Compliance with standards and maintenance requirements	Y	
63.7	Performance testing requirements	Y	
63.8	Monitoring requirements	Y	
63.9	Notification requirements	Y	
63.10	Recordkeeping and reporting	Y	
63.12	State authority and delegations	Y	
40 CFR Part 63 Subpart R	National Emission Standards for Gasoline Distribution Facilities (Bulk Gasoline Terminals and Pipeline Breakout Stations)	Y	
63.420(g)	Most stringent control requirements	Y	
63.420(h)	40 CFR part 63, subpart A—General Provisions	Y	
63.420(j)	<i>Rules Stayed for Reconsideration</i>	Y	
63.422	Standards: Loading racks	Y	
63.422(a)	Comply with the requirements in § 60.502	Y	
63.422(b)	Emission Limitation	Y	
63.422(c)	Comply with § 60.502(e)	Y	
63.422(c)(1)	The term “tank truck” as used in § 60.502(e) means “cargo tank.”	Y	
63.422(c)(2)	Vapor tightness documentation	Y	
63.422(c)(2)(i)	The gasoline cargo tank meets the applicable test requirements in § 63.425(e)	Y	
63.422(c)(2)(ii)	Gasoline cargo tank failing the test in § 63.425 (f) or (g) at the facility, the cargo tank either	Y	
63.422(c)(2)(ii)(A)	Meets the test requirements in § 63.425 (g) or (h)	Y	
63.422(c)(2)(ii)(B)	Passes the annual certification test	Y	
63.422(d)	December 15, 1997 deadline	Y	
63.425	Test methods and procedures	Y	
63.425(a)	Conduct a performance test	Y	
63.425(b)	Determine a monitored operating parameter	Y	
63.425(b)(1)	Continuously record the operating parameter	Y	
63.425(b)(2)	Determine an operating parameter value	Y	

IV. Source-specific Applicable Requirements

Table IV - D
Source-specific Applicable Requirements
S-22 – GASOLINE LOADING RACKS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.425(b)(3)	Develop the value, monitoring frequency	Y	
63.425(c)	Document the reasons for any change in the operating parameter value	Y	
63.427	Continuous monitoring	Y	
63.427(a)(1)	Continuous emission monitoring system (CEMS)	Y	
63.427(a)(2)	Continuous parameter monitoring system (CPMS)	Y	
63.427(b)	The vapor processing system operation	Y	
63.428	Reporting and recordkeeping	Y	
63.428(a)	The initial notifications	Y	
63.428(b)	Keep records of the test results for each gasoline cargo tank loading	Y	
63.428(b)(1)	Annual certification testing	Y	
63.428(b)(2)	Continuous performance testing performed at any time	Y	
63.428(b)(3)	The documentation file	Y	
63.428(b)(3)(i)	Name of test	Y	
63.428(b)(3)(ii)	Cargo tank owner's name and address	Y	
63.428(b)(3)(iii)	Cargo tank identification number	Y	
63.428(b)(3)(iv)	Test location and date	Y	
63.428(b)(3)(v)	Tester name and signature	Y	
63.428(b)(3)(vi)	Witnessing inspector, if any: Name, signature, and affiliation	Y	
63.428(b)(3)(vii)	Vapor tightness repair	Y	
63.428(b)(3)(viii)	Test results	Y	
63.428(c)	Bulk gasoline terminal requirements	Y	
63.428(c)(1)	Accessible record of the continuous monitoring data	Y	
63.428(c)(2)	Record and report simultaneously with the notification of compliance	Y	
63.428(c)(2)(i)	Determining the operating parameter value	Y	
63.428(c)(3)	Vapor processing system or monitor an operating parameter	Y	
63.428(g)	Include information	Y	

IV. Source-specific Applicable Requirements

Table IV - D
Source-specific Applicable Requirements
S-22 – GASOLINE LOADING RACKS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.428(g)(1)	Vapor tightness documentation	Y	
63.428(h)	Submit an excess emissions report	Y	
63.428(h)(1)	The report shall include the monitoring data	Y	
63.428(h)(2)	Vapor tightness documentation	Y	
63.428(h)(3)	Reloading of a nonvapor-tight gasoline cargo tank	Y	
63.428(h)(4)	Equipment leak	Y	
63.428(h)(4)(i)	The date on which the leak was detected	Y	
63.428(h)(4)(ii)	The date of each attempt to repair the leak	Y	
63.428(h)(4)(iii)	The reasons for the delay of repair	Y	
63.428(h)(4)(iv)	The date of successful repair	Y	
40 CFR 64	Compliance Assurance Monitoring (10/22/97)	Y	
64.2(a)	Applicability	Y	
64.3	Monitoring design criteria	Y	
64.3(a)	General criteria	Y	
64.3(a)(1)	Data for one or more indicators	Y	
64.3(a)(2)	Indicator range	Y	
64.3(a)(3)	Design of indicator ranges	Y	
64.3(b)	Performance criteria	Y	
64.3(b)(1)	Specifications for obtaining data	Y	
64.3(b)(2)	Verification procedures	Y	
64.3(b)(3)	Quality assurance and control practices	Y	
64.3(b)(4)	Specifications for frequency, procedures, and averaging periods	Y	
64.3(b)(4)(i)	Design of period over which data are obtained, etc.	Y	
64.3(b)(4)(iii)	Frequency for other pollutant-specific emission units	Y	
64.3(c)	Evaluation factors	Y	
64.4	Submittal requirements	Y	
64.4(a)	Submittal of monitoring that satisfies design requirements in 40 CFR 63.4	Y	
64.4(b)	Justification for the proposed monitoring	Y	
64.4(b)(1)	Presumptively acceptable monitoring approaches	Y	

IV. Source-specific Applicable Requirements

Table IV - D
Source-specific Applicable Requirements
S-22 – GASOLINE LOADING RACKS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
64.4(c)(1)	Submittal of control device operating parameter data obtained during tests	Y	
64.4(c)(2)	Documentation of no changes to system after performance tests	Y	
64.5(b)	Deadline for submittals for other pollutant-specific emissions units	Y	
64.5(d)	Prior to approval, emissions unit subject to 40 CFR 70.1(a)(3)(i)(B)	Y	
64.6(a)	Approval by permitting authority	Y	
64.6(b)	Additional data collection	Y	
64.6(c)	Establishment of permit terms or conditions	Y	
64.6(d)	Installation, testing or final verification	Y	
64.7	Operation of approved monitoring	Y	
64.7(a)	Commencement of operation	Y	
64.7(b)	Proper maintenance	Y	
64.7(c)	Continued operation	Y	
64.7(d)	Response to excursions or exceedances	Y	
64.7(e)	Documentation of need for improved monitoring	Y	
64.8	Quality improvement plan	Y	
64.9	Reporting and recordkeeping requirements	Y	
64.9(a)	General reporting requirements	Y	
64.9(b)	General recordkeeping requirements	Y	
64.10	Savings provisions	Y	
BAAQMD Condition # 12677	Permit Conditions		
Part 1	POC emission limitation [Basis: Cumulative Increase]	Y	
Part 3	CO emission limitation [Basis: Cumulative Increase]	Y	
Part 4	NOx (as NO2) emission limitation [Basis: Cumulative Increase]	Y	
Part 5	SO2 emission limitation [Basis: Cumulative Increase]	Y	
Part 6	PM10 emission limitation [Basis: Cumulative Increase]	Y	
Part 8	Loading racks shall be vented to the A-1 vapor recovery system	Y	
Part 8 (A)	POC emissions shall not exceed 0.08 lb/Mgal of gasoline loaded [Basis: Regulation 8-33]	Y	
Part 8 (B)	Install a combustible gas detector/recorder [Basis: Regulation 2-1-403]	Y	
Part 8 (C)	Fail-safe instrumentation if the hydrocarbon content in excess of 4% (as butane) [Basis: Regulation 2-1-403]	Y	

IV. Source-specific Applicable Requirements

Table IV - D
Source-specific Applicable Requirements
S-22 – GASOLINE LOADING RACKS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 8 (D)	Test the overall hydrocarbon emission once every six month [Basis: Regulation 2-1-403]	Y	
Part 8 (F)	Operating time between carbon bed switching shall be no more than 30 minutes [Basis: Regulation 8-5, NSPS]	Y	
Part 11	No loading of products onto any vessel which has a maximum registered deadweight tonnage greater than 139,000 deadweight tons [Basis: Cumulative Increase]	Y	
Part 15	Ballasting into cargo tanks will not be allowed when air pollution emergency level is reached for ozone [Basis: Regulation 8-44-305]	Y	
Part 18	Submit report demonstrating compliance with permit conditions annually [Basis: Cumulative Increase]	Y	
Part 19	Submit report demonstrating compliance with permit conditions annually within 30 days after the calendar quarter [Basis: Cumulative Increase]	Y	

Table IV - E
Source-specific Applicable Requirements
S-23–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 (6/15/94)		
8-8-114	Exemption, bypassed oil-water separator or air flotation influent	Y	
8-8-301	Wastewater separators greater than 760 liters day and smaller than 18.9 liters per second	Y	
8-8-303	Gauging and sampling devices	Y	
8-8-305	Oil-water separator and/or air flotation unit slop oil vessels	Y	
8-8-501	API separator or air flotation bypassed wastewater records	Y	
8-8-503	Inspection and repair records	Y	
8-8-504	Portable hydrocarbon detector	Y	
8-8-603	Inspection procedures	Y	

IV. Source-specific Applicable Requirements

Table IV - E
Source-specific Applicable Requirements
S-23–OIL/WATER SEPARATOR

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Condition # 12677	Permit Conditions		
Part 1	POC emission limitation [Basis: Cumulative Increase]	Y	
Part 6	PM10 emission limitation [Basis: Cumulative Increase]	Y	
Part 9	Pumps and compressors subject to Regulation 8-18. Valves subject to Regulation 8-18. [Basis: Regulation 8-18]	Y	
Part 18 (A)	List of all sources in operation at the terminal throughout the year [Basis: Cumulative Increase]	Y	

IV. Source-specific Applicable Requirements

Table IV – F
Source-specific Applicable Requirements
S-24 AND S-25 - EXTERNAL 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-General Provisions (11/27/02)		
8-5-101	Description	Y	
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
8-5-112	Limited Exemption, Tanks in Operation	Y	
8-5-117	Exemption, Low Vapor Pressure	Y	
8-5-301	Storage Tanks Control Requirements	Y	
8-5-304	Requirements for External Floating Roofs	Y	
8-5-320	Tank fitting requirements	Y	
8-5-320.2	Openings in the roof	Y	
8-5-320.3	Gasketed Covers	Y	
8-5-320.4	Solid sampling or gauging wells	Y	
8-5-320.4.1	The well shall provide a projection below the liquid surface	Y	
8-5-320.4.2	The well shall be equipped with a cover	Y	
8-5-320.4.3	The gap between the well and the roof	Y	
8-5-320.5	Slotted sampling or gauging wells	Y	
8-5-320.5.1	The well shall provide a projection below the liquid surface	Y	
8-5-320.5.2	The well requirements	Y	
8-5-320.5.3	The gap between the well and the roof	Y	
8-5-320.6	Emergency roof drain	Y	
8-5-321	Primary seal requirements	Y	
8-5-321.1	No holes, tears, or other openings in the primary seal fabric	Y	
8-5-321.2	The seal shall be liquid mounted except as provided in 8-5-311.2.2	Y	
8-5-321.3	Metallic shoe type seals	Y	
8-5-321.3.1	Geometry of shoe	Y	
8-5-321.3.2	Gaps for welded tanks	Y	
8-5-322	Secondary seal requirements	Y	
8-5-322.1	No holes, tears, or other openings in the secondary seal	Y	
8-5-322.2	Insertion of probes	Y	
8-5-322.3	Gaps for welded tanks	Y	

IV. Source-specific Applicable Requirements

Table IV – F
Source-specific Applicable Requirements
S-24 AND S-25 - EXTERNAL FLOATING ROOF TANKS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-5-322.5	For welded external floating roof tank with seal installed after September 4, 1985, no gap between tank shell and the secondary seal shall exceed 1.5 mm (0.06 in.). The cumulative length of all secondary seal gaps exceeding 0.5 mm (0.02 in.) shall be not more than 5% of the circumference of the tank excluding gaps less than 5 cm (1.79 in.) from vertical weld seams.	Y	
8-5-322.6	The secondary seal shall extend from the roof to the tank shell and shall not be attached to the primary seal.	Y	
8-5-328	Tank Degassing requirements	Y	
8-5-328.1.2	Concentration of <10,000 ppm as methane after cleaning	Y	
8-5-328.2	An approved Emission Control System	Y	
8-5-401	Primary seal inspection	Y	
8-5-401.1	Once every 10 years for tanks subject to 8-5-322.5	Y	
8-5-401.2	Tank Fitting Inspection	Y	
8-5-405	Information required	Y	
8-5-405.1	Date of inspection	Y	
8-5-405.2	Actual gap measurements	Y	
8-5-405.3	Data, supported calculation	Y	
8-5-501	Records	Y	
8-5-502	Tank cleaning annual source test requirement	Y	
8-5-503	Portable hydrocarbon detector	Y	
SIP Regulation 8, Rule 5	Storage of Organic Liquids (1/20/93)		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
8-5-112	Limited Exemption, Floating Roofs in Operation	Y	
8-5-320	Tank fitting requirements	Y	
8-5-320.1	Secondary seal	Y	
8-5-320.2	Openings in the roof	Y	
8-5-320.2.1	The opening	Y	
8-5-320.2.2	Viewports and other openings	Y	
8-5-320.3	Pressure vacuum valves	Y	
8-5-320.4	Solid sampling or gauging wells	Y	
8-5-320.4.1	The well shall provide a projection below the liquid surface	Y	

IV. Source-specific Applicable Requirements

Table IV – F
Source-specific Applicable Requirements
S-24 AND S-25 - EXTERNAL FLOATING ROOF TANKS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-5-320.4.2	The well shall be equipped with a cover	Y	
8-5-320.4.3	The gap between the well and the roof	Y	
8-5-320.5	Slotted sampling or gauging wells	Y	
8-5-320.5.1	The well shall provide a projection below the liquid surface	Y	
8-5-320.5.2	The well requirements	Y	
8-5-320.5.3	The gap between the well and the roof	Y	
8-5-320.6	Emergency roof drain	Y	
8-5-321	Primary seal requirements	Y	
8-5-321.1	No holes, tears, or other openings in the primary seal fabric	Y	
8-5-321.2	The seal shall be liquid mounted except as provided in 8-5-311.2.2	Y	
8-5-321.3	Metallic shoe type seals	Y	
8-5-321.3.1	Geometry of shoe	Y	
8-5-321.3.2	For welded tanks	Y	
40 CFR 60	Standards of Performance for New Stationary Sources (12/23/71)	Y	
Subpart A	General Provisions	Y	
60.4(b)	Reports to EPA and District	Y	
60.7(a)	Written notification	Y	
60.7(b)	Records	Y	
60.8	Performance Tests	Y	
60.9	Availability of Information	Y	
60.11(a)	Compliance with standards and maintenance requirements	Y	
60.11(d)	Minimizing emissions	Y	
60.12	Circumvention	Y	
60.13	Reconstruction	Y	
60.19	General notification and reporting requirements	Y	
NSPS Part 60 Subpart Kb	Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984	Y	
60.110(b)(a)	Applicability and designation of affected facility	Y	
60.112(b)(a) (2)	External Floating Roof	Y	
60.113(b)(b)	Testing and Procedures	Y	
60.115(b)(b)	Reporting and recordkeeping requirements	Y	
60.116(b)	Monitoring of Operation	Y	

IV. Source-specific Applicable Requirements

Table IV – F
Source-specific Applicable Requirements
S-24 AND S-25 - EXTERNAL FLOATING ROOF TANKS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
40 CFR 63	National Emission Standards for Hazardous Air Pollutants For Source Categories	Y	
Subpart A	General Provisions	Y	
63.4	Prohibited activities and circumvention	Y	
63.5	Construction and reconstruction	Y	
63.6	Compliance with standards and maintenance requirements	Y	
63.7	Performance testing requirements	Y	
63.8	Monitoring requirements	Y	
63.9	Notification requirements	Y	
63.10	Recordkeeping and reporting	Y	
63.12	State authority and delegations	Y	
40 CFR Part 63 Subpart R	National Emission Standards for Gasoline Distribution Facilities (Bulk Gasoline Terminals and Pipeline Breakout Stations)	Y	
63.420(f)	Demonstrate compliance	Y	
63.420(g)	Most stringent control requirements	Y	
63.420(h)	Subpart A—General Provisions	Y	
63.420(j)	Rules Stayed for Reconsideration	Y	
63.423	Standards: Storage vessels	Y	
63.423(a)	Requirements in § 60.112b(a) (1) through (4)	Y	
63.423(b)	External floating roof storage requirements in § 60.112b(a)(2)(ii)	Y	
63.423(c)	Comply by December 15, 1997	Y	
63.425	Test methods and procedures	Y	
63.425(d)	Comply with § 60.113b	Y	
63.427	Continuous monitoring	Y	
63.427(c)	Monitoring requirements in § 60.116b; 5 years records	Y	
63.428	Reporting and recordkeeping	Y	
63.428(a)	The initial notification requirement	Y	
63.428(d)	Keep records and furnish reports	Y	
BAAQMD Condition # 6185	Permit Conditions		
Part 16	6 tank degassing operations in any consecutive 12 month period [Basis: Cumulative Increase]	Y	

IV. Source-specific Applicable Requirements

Table IV – F
Source-specific Applicable Requirements
S-24 AND S-25 - EXTERNAL FLOATING ROOF TANKS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 17	Tank degassing shall be vented at all times to abatement devices [Basis: Regulation 8-5]	Y	
Part 23	No tank degassing during bulk liquid transfers, which are abated by A-421 and A-422 devices [Basis: Cumulative Increase]	Y	
Part 24	Record keeping for tank degassing operations [Basis: Cumulative Increase]	Y	
BAAQMD Condition # 12677	Permit Conditions		
Part 1	POC emission limitation [Basis: Cumulative Increase]	Y	
Part 3	CO emission limitation [Basis: Cumulative Increase]	Y	
Part 4	NOx (as NO2) emission limitation [Basis: Cumulative Increase]	Y	
Part 5	SO2 emission limitation [Basis: Cumulative Increase]	Y	
Part 6	PM10 emission limitation [Basis: Cumulative Increase]	Y	
Part 7	True vapor pressure \leq 11.0 psia [Basis: Cumulative Increase]	Y	
Part 11	No loading of products onto any vessel which has a maximum registered deadweight tonnage greater than 139,000 deadweight tons [Basis: Cumulative Increase]	Y	
Part 18	Submit report demonstrating compliance with permit conditions annually [Basis: Cumulative Increase]	Y	
Part 19	Submit report demonstrating compliance with permit conditions annually within 30 days after the calendar quarter [Basis: Cumulative Increase]	Y	

Table IV – G
Source-specific Applicable Requirements
S-26–WATER STORAGE POND

IV. Source-specific Applicable Requirements

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 (6/15/94)		
8-8-114	Exemption, bypassed oil-water separator or air flotation influent	Y	
8-8-303	Gauging and sampling devices	Y	
8-8-306	Oil-water separator effluent channel, pond, trench, or basin	Y	
8-8-503	Inspection and repair records	Y	
8-8-601	Wastewater analysis for critical OCs	Y	
8-8-603	Inspection procedures	Y	
BAAQMD Condition # 12677	Permit Conditions		
Part 1	POC emission limitation [Basis: Cumulative Increase]	Y	
Part 6	PM10 emission limitation [Basis: Cumulative Increase]	Y	
Part 9	Pumps and compressors subject to Regulation 8-18. Valves subject to Regulation 8-18. [Basis: Regulation 8-18]]	Y	
Part 18 (A)	List of all sources in operation at the terminal throughout the year [Basis: Cumulative Increase]	Y	

Table IV – H
Source-specific Applicable Requirements
S-27–MARINE VESSEL LOADING/UNLOADING TERMINAL

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 44	Organic Compounds-Marine Vessel Loading Terminals (12/7/05)		
8-44-110	Exemption: Small loading events	N	
8-44-111	Exemption: marine vessel fueling	Y	
8-44-115	Exemption: Safety/Emergency Operations	N	
8-44-116	Limited Exemption, Equipment Leaks	N	
8-44-301	Limitations on Marine Tank Vessel Operations	N	
8-44-301.1	Loading a regulated organic with emission controlled as required by 8-44-304 or	N	

IV. Source-specific Applicable Requirements

Table IV – H
Source-specific Applicable Requirements
S-27–MARINE VESSEL LOADING/UNLOADING TERMINAL

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-44-301.2	Loading of liquid into a cargo tank when prior tank was a regulated organic liquid with emission controlled as required by 8-4--304	N	
8-44-302	Limitations on Marine tank Vessel Ballasting	N	
8-44-302.1	Emissions are controlled according to 8-44-304 or	N	
8-44-302.2	Emissions are limited by used of combination of segregated ballast tanks	N	
8-44-303	Limitations on Marine tank Vessel Venting	N	
8-44-303.1	Emissions are controlled according to 8-44-304 or	N	
8-44-303.2	Venting through PRV, or manual venting	N	
8-44-304	Emission Control Requirements	N	
8-44-304.1	Limit emission to 5.7 grms per cubic meter (2 lbs/1000 bbls) or emission control \geq 95% wt.	N	
8-44-304.2	Emission control for loading, ballasting or venting operations	N	
8-44-305	Equipment Leaks	N	
8-44-305.1	All equipment associated with marine terminal operation shall not exceed 3 drop/min liquid leak or 1,000 ppm (methane) of gaseous leak	N	
8-44-305.2	Hatches, pressure relief valves, connections, gauging ports and vents exceed 3 drop/min liquid leak or 1,000 ppm (methane) of gaseous leak	N	
8-44-305.3	Inspection marine terminal equipment or vessels during the operation or prior to loading > 20% of the cargo	N	
8-44-305.4	Minimize, and tag any gas leak within 4 hours of discovery and repair prior to the next operation	N	
8-44-403	Notifications Regarding Safety/Emergency Exemption	N	
8-44-404	Notifications for Operations Conducted Other Than at Marine Terminals	N	
8-44-404.1	Name of the marine tank vessel	N	
8-44-404.2	The San Francisco Bay Area agent for the vessel	N	
8-44-404.3	The description of the operation	N	
8-44-404.4	The location of operation	N	
8-44-404.5	The type, amount or liquid loaded and the means used to comply with 8-44-301 when lightering	N	
8-44-404.6	The amount of ballasted water, prior cargo name and trade designation, the means used to comply with 8-44-302	N	
8-44-404.7	Tank cleaning, volume, prior cargo name and trade designation, the means used to clean each tank	N	

IV. Source-specific Applicable Requirements

Table IV – H
Source-specific Applicable Requirements
S-27–MARINE VESSEL LOADING/UNLOADING TERMINAL

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-44-501	Record Keeping – Marine Terminals	N	
8-44-501.1.1	Name of vessel loaded	N	
8-44-501.1.2	Owner, country of registration, operator or charterer	N	
8-44-501.1.3	Arrival and departure Date	N	
8-44-501.1.4	Tank identification number, type and amount of organic liquid loaded	N	
8-44-501.1.5	Flashpoint and temperature of liquid loaded	N	
8-44-501.1.6	Prior cargo name and trade designation carried by the tank	N	
8-44-501.1.7	Source and copy of document or analysis of flashpoint	N	
8-44-501.1.8	Condition of tank prior to being loaded	N	
8-44-501.1.9	Mean used to comply with 8-44-304	N	
8-44-501.1.10	Date, Time, identification of liquid or gas leak in access of 8-44-305.1	N	
8-44-501.2	Record for the following when ballasting	N	
8-44-501.2.1	Information requested in Section 8-44-501.1.1 through 501.1.3	N	
8-44-501.2.2	Identification number, and amount of ballasted water	N	
8-44-501.2.3	Prior cargo name and trade designation	N	
8-44-501.2.4	The means used to comply with 8-44-302	N	
8-44-501.2.5	Date and time of inspections, identification of equipment leak	N	
8-44-501.3	Record for the following when venting	N	
8-44-501.3.1	Information requested in Section 8-44-501.1.1 through 501.1.3	N	
8-44-501.3.2	Identification number, and prior cargo name and trade designation	N	
8-44-501.3.3	Activities leading to venting	N	
8-44-501.3.4	The means used to comply with 8-44-303	N	
8-44-501.3.5	Date and time of inspections, identification of equipment leak	N	
8-44-502	Record Keeping - Marine Tank Vessels	N	
8-44-502.1.1	Name of vessel loaded	N	
8-44-502.1.2	Owner, country of registration, operator or charterer	N	
8-44-502.1.3	Beginning and ending dates and times	N	
8-44-502.1.4	Tank identification number, type and amount of organic liquid loaded	N	
8-44-502.1.5	The prior cargo name and trade	N	
8-44-502.1.6	Condition of each tank prior to being loaded	N	
8-44-502.1.7	Mean used to comply with 8-44-301	N	
8-44-502.1.8	Date and time of inspections, identification of equipment leak	N	
8-44-502.2	Record for the following when ballasting	N	

IV. Source-specific Applicable Requirements

Table IV – H
Source-specific Applicable Requirements
S-27–MARINE VESSEL LOADING/UNLOADING TERMINAL

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-44-502.2.1	Name of vessel	N	
8-44-502.2.2	Owner, country of registration, operator or charterer	N	
8-44-502.2.3	Beginning and ending dates and times	N	
8-44-502.2.4	Location of operation	N	
8-44-502.2.5	Amount of ballasted water and prior cargo name and trade designation	N	
8-44-502.2.6	The means used to comply with Section 8-44-302	N	
8-44-502.2.7	Date and time of inspections, identification of equipment leak	N	
8-44-502.3	Record for the following when venting	N	
8-44-502.3.1	Name of vessel	N	
8-44-502.3.2	Owner, country of registration, operator or charterer	N	
8-44-502.3.3	Description of venting process	N	
8-44-502.3.4	Beginning and ending dates and times	N	
8-44-502.3.5	Location of operation	N	
8-44-502.3.6	The prior cargo name and trade	N	
8-44-502.3.7	The means used to comply with Section 8-44-303	N	
8-44-502.3.8	Date and time of inspections, identification of equipment leak	N	
8-44-502.4	Cleaning operation	N	
8-44-502.4.1	Name of vessel	N	
8-44-502.4.2	Owner, country of registration, operator or charterer	N	
8-44-502.4.3	Beginning and ending dates and times	N	
8-44-502.4.4	Location of operation	N	
8-44-502.4.5	Number, volume, prior cargo name and trade designation and description of method used to clean tank	N	
8-44-503	Recordkeeping - Exemptions	N	
8-44-503.1	For Section 8-44-110, the date, names of loading and receiving vessels, location, type of material loaded and volume loaded	N	
8-44-503.2	For Section 8-44-111, the date, names of loading and receiving vessels, location, type of material loaded and volume loaded	N	
8-44-503.3	For Section 8-44-115, the date, names of vessels, location and description of operation	N	
8-44-504	Burden of Proof	N	

IV. Source-specific Applicable Requirements

Table IV – H
Source-specific Applicable Requirements
S-27–MARINE VESSEL LOADING/UNLOADING TERMINAL

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
SIP BAAQMD Regulation 8, Rule 44	Organic Compounds-Marine Vessel Loading Terminals (1/4/89)		
8-44-110	Exemption: loading events	Y	
8-44-111	Exemption: marine vessel fueling	Y	
8-44-301.1	Limited to 5.7 gram per cubic meter (2 lbs per 1000 bbls) of organic liquid loaded, or	Y	
8-44-301.2	95% by weight from uncontrolled conditions	Y	
8-44-302	Emission control equipment	Y	
8-44-303	Operating practice	Y	
8-44-304.1	Certified leak free, gas tight and in good working vessel	Y	
8-44-304.2	Loading ceases any time gas or leaks are discovered	Y	
8-44-305	Ozone excess day prohibition	Y	
8-44-402.1	Safety/Emergency operations	Y	
8-44-402.2	Safety/Emergency operations	Y	
8-44-501	Record keeping	Y	
8-44-501.1	Name and location	Y	
8-44-501.2	Responsible company	Y	
8-44-501.3	Dates and times	Y	
8-44-501.4	Name, registry of the vessel loaded and legal owner	Y	
8-44-501.5	Prior cargo carried	Y	
8-44-501.6	Type, amount of liquid cargo loaded	Y	
8-44-501.7	Condition of tanks	Y	
8-44-502	Burden of proof	Y	
40 CFR 63	National Emission Standards for Hazardous Air Pollutants for Source Categories	Y	
Subpart A	General Provisions	Y	
63.4	Prohibited activities and circumvention	Y	
63.5	Construction and reconstruction	Y	
63.6	Compliance with standards and maintenance requirements	Y	
63.7	Performance testing requirements	Y	
63.8	Monitoring requirements	Y	

IV. Source-specific Applicable Requirements

Table IV – H
Source-specific Applicable Requirements
S-27–MARINE VESSEL LOADING/UNLOADING TERMINAL

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.9	Notification requirements	Y	
63.10	Recordkeeping and reporting	Y	
63.12	State authority and delegations	Y	
40 CFR Part 63 Subpart Y	National Emission Standards for Marine Tank Vessel Loading Operations	Y	
63.560(b)	Reasonable available control technology (RACT)	Y	
63.560(b)(1)	Sources with throughput of 10 million barrels or 200 million barrels	Y	
63.560(c)	General provisions applicability	Y	
63.560(d)(7)	Do not apply to ballasting operations	Y	
63.560(e)	Compliance dates		
63.560(e)(2)(i)	RACT compliance dates for sources with an initial startup date on or before September 21, 1998	Y	
63.560(e)(2)(ii)	RACT compliance dates	Y	
63.560(e)(2)(v)	Extension of compliance date	Y	
63.562(a)	Emission limitations	Y	
63.562(c)(1)	RACT standards	Y	
63.562(c)(2)(i)	Vapor collection system of the terminal	Y	
63.562(c)(2)(ii)	Ship-to-shore compatibility	Y	
63.562(c)(2)(iii)	Vapor tightness of marine vessels	Y	
63.562(c)(3)	RACT standard: 95 % weight when using recovery device	Y	
63.562(c)(4)	Or 1,000 ppmv outlet VOC concentration	Y	
63.562(c)(5)	Prevention of carbon adsorber emissions during regeneration	Y	
63.562(c)(6)	Maintenance allowance for loading berths	Y	
63.562(c)(6)(i)	Maintenance	Y	
63.562(b)(6)(ii)	Conditions beyond reasonable control	Y	

IV. Source-specific Applicable Requirements

Table IV – H
Source-specific Applicable Requirements
S-27–MARINE VESSEL LOADING/UNLOADING TERMINAL

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.562(c)(6)(iii)	Hardship cannot be justified by the resulting air quality benefit	Y	
63.562(c)(6)(iv)	Curtailing marine vessel loading operations during maintenance	Y	
63.562(c)(6)(v)	Reduce emissions from other loading berths	Y	
63.562(c)(6)(vi)	Monitoring and reporting emissions from the loading berth	Y	
63.562(e)	Operation & maintenance requirements for air pollution control equipment	Y	
63.562(e)(1)	Determine compliance with design, equipment, work practice or operational emission standards	Y	
63.562(e)(2)	Develop and implement a written operation and maintenance plan	Y	
63.562(e)(2)(i)	Procedures of preventive maintenance	Y	
63.562(e)(2)(ii)	Identify, monitor and record all operating parameters	Y	
63.562(e)(2)(iii)	Inspection schedule	Y	
63.562(e)(2)(iv)	Continuous monitoring system (CMS) quality control program	Y	
63.562(e)(3)	Revision of the operation and maintenance plan if does not address:	Y	
63.562(e)(3)(I)	Variance of the control equipment	Y	
63.562(e)(3)(ii)	Fail to provide safety and good air pollution control practices	Y	
63.562(e)(3)(iii)	Inadequate procedures for correcting a variance	Y	
63.562(e)(4)	Revise the operation maintenance plane within 45 working days after variance has occurred	Y	
63.562(e)(5)	Keep the written operation and maintenance plan on record for inspection	Y	
63.562(e)(6)	Source's standard operating procedures (SOP) manual, Occupational safety and health administration (OSHA) plan and others are satisfied	Y	
63.563	Compliance and performance testing	Y	

IV. Source-specific Applicable Requirements

Table IV – H
Source-specific Applicable Requirements
S-27–MARINE VESSEL LOADING/UNLOADING TERMINAL

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.563(a)(1)(i)	Vent stream by-pass requirements for the terminal’s vapor collection system	Y	
63.563(a)(1)(ii)	Repairs	Y	
63.563(a)(2)	Ship-to-shore compatibility	Y	
63.563(a)(3)	Pressure/vacuum settings for the marine vessel’s vapor collection equipment	Y	
63.563(a)(4)	Vapor tightness requirements	Y	
63.563(a)(4)(i)	Pressure test documentation	Y	
63.563(a)(4)(ii)	Leak test documentation	Y	
63.563(a)(4)(iii)	Leak test performance	Y	
63.563(a)(4)(iii)(A)	No leak documentation	Y	
63.563(a)(4)(iii)(B)	Leak process	Y	
63.563(a)(4)(iv)	Negative pressure loading	Y	
63.563(b)	Compliance determination	Y	
63.563(b)(1)	Initial performance	Y	
63.563(b)(2)	Performance test exemptions	Y	
63.563(b)(2)(i)	Boilers or process heater with 44 megawatt or less comply with 63.562b(2), (3), or (4), c(3) or (4) or d(2)	Y	
63.563(b)(2)(ii)	Boilers or process heater 44 megawatt or more comply with 63.562b(2), (3), or (4), c(3) or (4) or d(2)	Y	
63.563(b)(2)(iii)	Boilers subject to 40 CFR part 266, subpart H comply with 63.562b(2), (3), or (4), c(3) or (4) or d(2)	Y	
63.563(b)(3)	Operation and maintenance inspections	Y	
63.563(b)(6)	Carbon Adsorber	Y	
63.563(b)(6)(i)	Compliance determination	Y	

IV. Source-specific Applicable Requirements

Table IV – H
Source-specific Applicable Requirements
S-27–MARINE VESSEL LOADING/UNLOADING TERMINAL

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.563(b)(6)(ii)	Baseline parameters	Y	
63.563(b)(6)(ii)(A)	Outlet VOC concentration limit	Y	
63.563(b)(6)(ii)(B)	Carbon adsorbers with vacuum regeneration	Y	
63.563(b)(6)(iii)	Outlet VOC concentration of 1000 ppmv	Y	
63.563(b)(7)(i)	VOC outlet concentration limit for required percent efficiency	Y	
63.563(b)(7)(ii)	Baseline temperature for required percent recovery efficiency or	Y	
63.563(b)(7)(iii)	Baseline parameters for 1000 ppmv VOC concentration limit for gasoline loading	Y	
63.563(b)(10)	Emission estimation	Y	
63.563(c)	Leak detection and repair for vapor collection systems and control devices	Y	
63.563(c)(1)	Annual leak detection and repair	Y	
63.563(c)(2)	Ongoing leak detection	Y	
63.563(c)(3)	Repair within 15 days	Y	
63.564	Monitoring requirements		
63.564(a)(1)	Comply with monitoring requirement	Y	
63.564(a)(2)	Monitor equipment verification	Y	
63.564(a)(3)	Continuous operation	Y	
63.564(a)(4)	CMS comply with performance specification	Y	
63.564(a)(5)	Submit all information concerning out of control periods	Y	
63.564(b)	Vapor collection system of terminal	Y	
63.564(b)(1)	Measure and record vent stream flowrate	Y	
63.564(b)(2)	Flow indicator	Y	
63.564(b)(3)	Visual inspection	Y	
63.564(c)	Pressure/vacuum settings	Y	
63.564(d)	Loading at negative pressure	Y	
63.564(g)	Carbon adsorber	Y	
63.564(g)(1)	Outlet VOC concentration	Y	

IV. Source-specific Applicable Requirements

Table IV – H
Source-specific Applicable Requirements
S-27–MARINE VESSEL LOADING/UNLOADING TERMINAL

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.564(g)(2)	Carbon adsorbers with vacuum regeneration	Y	
63.565(a)	Performance testing	Y	
63.565(b)	Pressure/vacuum settings of marine tank vessel's vapor collection equipment	Y	
63.565(b)(1)	Calibrate and install a pressure measurement device	Y	
63.565(b)(2)	Connect the pressure measurement device to a pressure tap in the terminal's vapor collection system	Y	
63.565(b)(3)	Record the pressure	Y	
63.565(c)	Vapor tightness test procedures for the marine tank vessel	Y	
63.565(c)(1)	Pressure test	Y	
63.565(c)(1)(i)	Product tank shall be pressurized with dry air or inert gas	Y	
63.565(c)(1)(ii)	Once the pressure is obtained, dry air or inert gas source shall be shut off	Y	
63.565(c)(1)(iii)	Measure the pressure	Y	
63.565(c)(1)(iv)	Compare the pressure	Y	
63.565(c)(1)(v)	Vessel is vapor tight	Y	
63.565(c)(1)(vi)	Or not vapor tight	Y	
63.565(c)(2)	Leak test	Y	
63.565(f)(1)	Baseline temperature from performance testing	Y	
63.565(f)(2)	Baseline temperature from manufacturer	Y	
63.565(g)	Baseline outlet VOC concentration	Y	
63.565(h)(1)	Baseline regeneration time from performance testing	Y	
63.565(h)(2)	Baseline regeneration time from manufacturer recommendation	Y	
63.565(i)	Baseline vacuum pressure for carbon bed regeneration	Y	
63.565(k)(1)	Baseline L/V ratio from performance test	Y	
63.565(k)(2)	Baseline L/V ratio from manufacturer	Y	
63.565(l)	Emission estimation procedures	Y	
63.565(m)(1)	Alternate test procedures	Y	

IV. Source-specific Applicable Requirements

Table IV – H
Source-specific Applicable Requirements
S-27–MARINE VESSEL LOADING/UNLOADING TERMINAL

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.565(m)(2)	Administrator approval	Y	
63.566(a)	Construction and reconstruction	Y	
63.566(b)(1)	Application for approval of construction or reconstruction	Y	
63.566(b)(2)	General application requirements	Y	
63.566(c)	Approval of construction or reconstruction	Y	
63.567(a)	Recordkeeping and reporting	Y	
63.567(a)(1)(i)	Submittals sent by U.S. mail	Y	
63.567(a)(1)(ii)	Submittals sent by other methods	Y	
63.567(b)	Notification requirements	Y	
63.567(b)(1)	Applicability	Y	
63.567(b)(2)	Initial notification for sources with startup before the effective date	Y	
63.567(b)(2)(i)	Name and address	Y	
63.567(b)(2)(ii)	Address of the sources	Y	
63.567(b)(2)(iii)	Identification of emission standard	Y	
63.567(b)(2)(iv)	Brief description of the nature, size, design and method	Y	
63.567(b)(2)(v)	Statement that the source is a major source	Y	
63.567(b)(3)	Initial notification for sources with startup after the effective date	Y	
63.567(b)(4)	Initial notification requirements for constructed/reconstructed sources	Y	
63.567(b)(4)(i)	Notification in writing	Y	
63.567(b)(4)(ii)	Submit a notification of the date when construction or reconstruction was commenced	Y	
63.567(b)(4)(iii)	Submit a notification of the anticipated date of startup	Y	
63.567(b)(4)(iv)	Submit a notification of the actual date of startup	Y	

IV. Source-specific Applicable Requirements

Table IV – H
Source-specific Applicable Requirements
S-27–MARINE VESSEL LOADING/UNLOADING TERMINAL

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.567(b)(5)(i)	Additional initial notification requirements	Y	
63.567(b)(5)(ii)	Alternate to reporting the information	Y	
63.567(c)	Request for extension of compliance	Y	
63.567(e)(1)	Schedule for summary reports and excess emission and monitoring system performance reports	Y	
63.567(e)(2)	Request to reduce frequency of excess emissions and continuous monitoring system performance reports	Y	
63.567(e)(2)(i)	Compliance for one full year	Y	
63.567(e)(2)(ii)	Continuous compliance with all recordkeeping and monitoring requirements	Y	
63.567(e)(3)	Notify administrator in writing for the frequency of reporting of excess emissions	Y	
63.567(e)(4)	Content and submittal dates for excess emissions and monitoring system performance reports	Y	
63.567(e)(5)	Summary report	Y	
63.567(e)(6)	Summary reports	Y	
63.567(f)	Vapor collection system of the terminal	Y	
63.567(g)	Vent system	Y	
63.567(g)(1)	Record of flow bypassing	Y	
63.567(g)(2)	Record of car-seal maintenance	Y	
63.567(h)	Vapor-tightness documentation	Y	
63.567(l)	Vapor-tightness test documentation for marine tank vessels	Y	
63.567(i)(1)	Test title	Y	
63.567(i)(2)	Marine vessel owner and address	Y	
63.567(i)(3)	Marine vessel identification number	Y	
63.567(i)(4)	Loading time	Y	
63.567(i)(5)	Testing location	Y	
63.567(i)(6)	Date of test	Y	
63.567(i)(7)	Tester name and signature	Y	
63.567(i)(8)	Test results	Y	

IV. Source-specific Applicable Requirements

Table IV – H
Source-specific Applicable Requirements
S-27–MARINE VESSEL LOADING/UNLOADING TERMINAL

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.567(i)(9)	Documentation	Y	
63.567(i)(10)	Documentation on leak repaired	Y	
63.567(j)	Emission estimation reporting and recordkeeping procedures	Y	
63.567(j)(1)	Record of all measurements, calculations	Y	
63.567(j)(2)	Records of emission estimation	Y	
63.567(j)(3)	Submit annual report of the sources' HAP control efficiency	Y	
63.567(j)(4)	Record of throughput for 5 years	Y	
63.567(k)	Leak detection and repair of vapor collection systems and control device	Y	
63.567(k)(1)	Date of inspection	Y	
63.567(k)(2)	Findings (location, nature and severity of each leak)	Y	
63.567(k)(3)	Leak determination method	Y	
63.567(k)(4)	Corrective action	Y	
63.567(k)(5)	Inspector name and signature	Y	
40 CFR 64	Compliance Assurance Monitoring (10/22/97)	Y	
64.2(a)	Applicability	Y	
64.3	Monitoring design criteria	Y	
64.3(a)	General criteria	Y	
64.3(a)(1)	Data for one or more indicators	Y	
64.3(a)(2)	Indicator range	Y	
64.3(a)(3)	Design of indicator ranges	Y	
64.3(b)	Performance criteria	Y	
64.3(b)(1)	Specifications for obtaining data	Y	
64.3(b)(2)	Verification procedures	Y	
64.3(b)(3)	Quality assurance and control practices	Y	
64.3(b)(4)	Specifications for frequency, procedures, and averaging periods	Y	
64.3(b)(4)(i)	Design of period over which data are obtained, etc.	Y	
64.3(b)(4)(iii)	Frequency for other pollutant-specific emission units	Y	
64.3(c)	Evaluation factors	Y	
64.4	Submittal requirements	Y	
64.4(a)	Submittal of monitoring that satisfies design requirements in 40 CFR 63.4	Y	
64.4(b)	Justification for the proposed monitoring	Y	
64.4(b)(1)	Presumptively acceptable monitoring approaches	Y	
64.4(c)(1)	Submittal of control device operating parameter data obtained during tests	Y	

IV. Source-specific Applicable Requirements

Table IV – H
Source-specific Applicable Requirements
S-27–MARINE VESSEL LOADING/UNLOADING TERMINAL

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
64.4(c)(2)	Documentation of no changes to system after performance tests	Y	
64.5(b)	Deadline for submittals for other pollutant-specific emissions units	Y	
64.5(d)	Prior to approval, emissions unit subject to 40 CFR 70.1(a)(3)(i)(B)	Y	
64.6(a)	Approval by permitting authority	Y	
64.6(b)	Additional data collection	Y	
64.6(c)	Establishment of permit terms or conditions	Y	
64.6(d)	Installation, testing or final verification	Y	
64.7	Operation of approved monitoring	Y	
64.7(a)	Commencement of operation	Y	
64.7(b)	Proper maintenance	Y	
64.7(c)	Continued operation	Y	
64.7(d)	Response to excursions or exceedances	Y	
64.7(e)	Documentation of need for improved monitoring	Y	
64.8	Quality improvement plan	Y	
64.9	Reporting and recordkeeping requirements	Y	
64.9(a)	General reporting requirements	Y	
64.9(b)	General recordkeeping requirements	Y	
64.10	Savings provisions	Y	
BAAQMD Condition # 6185	Permit Conditions		
Part 4	Total hydrocarbon liquid loaded shall not exceed 47.6 million barrels per year [Basis: Cumulative Increase]	Y	
Part 5	A-421 and A-222 shall not exceed 1 pound of POCs per 1000 barrels [Basis: Cumulative Increase]	Y	
Part 9	Emissions from A-421 and A-422 regenerative carbon unit shall not exceed 1 pound of POC per 1000 barrels. Cumulative increase shall not exceed 40 ton/yr. [Basis: Cumulative Increase]	Y	
Part 12	Minimize fugitive leaks during connection and disconnection [Basis: Regulation 8-18]	Y	
Part 14	Regenerative carbon system shall install an infrared combustible gas detector or District approved equivalent at the outlet of these carbon units [Basis: NSPS]	Y	

IV. Source-specific Applicable Requirements

Table IV – H
Source-specific Applicable Requirements
S-27–MARINE VESSEL LOADING/UNLOADING TERMINAL

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 15	Regenerative carbon system shall include a continuous temperature monitor and recorder to measure the temperature of each of the four carbon beds [Basis: NSPS]	Y	
Part 25	Total pumping rate shall not exceed 10,000 barrels per hour [Basis: Cumulative Increase]	Y	
Part 26	Only specified material can be transferred [Basis: Cumulative Increase]	Y	
BAAQMD Condition # 12677	Permit Conditions		
Part 2	POC emission limitation [Basis: Cumulative Increase]	Y	
Part 11	Loading deadweight limitation [Basis: Cumulative Increase]	Y	
Part 12	No marine vessel calling if emission is greater than 2000 ppmv of SO2 [Basis: Regulation 9-1-303]	Y	
Part 13	No marine vessel calling [Basis: Cumulative Increase]	Y	
Part 14	Event of spill [Basis: Regulation 8-5]	Y	
Part 15	Ballasting into cargo tanks will not be allowed when air pollution emergency level is reached for ozone [Basis: Regulation 8-44-305]	Y	
Part 16	Violation of regulation or other requirement of U.S. Coast Guard [Basis: Regulation 8-44-402]	Y	
Part 18	Annual report [Basis: Cumulative Increase]	Y	
Part 19	Submit report demonstrating compliance with permit conditions annually within 30 days after the calendar quarter [Basis: Cumulative Increase]	Y	

Table IV – I
Source-specific Applicable Requirements
S-32, S-33, S-34, S-35, S-36, S-37, S-38, S-39, S-40, S-41, S-42,
S-43, S-44 – FIXED ROOF TANKS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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IV. Source-specific Applicable Requirements

Table IV – I
Source-specific Applicable Requirements
S-32, S-33, S-34, S-35, S-36, S-37, S-38, S-39, S-40, S-41, S-42,
S-43, S-44 – FIXED ROOF TANKS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 5	Organic Compounds-General Provisions (11/27/02)		
8-5-101	Description	Y	
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
8-5-112	Limited Exemption, Tanks in Operation	Y	
8-5-117	Exemption, Low Vapor Pressure	Y	
8-5-301	Storage Tanks Control Requirements	Y	
8-5-302	Requirements for Submerged Fill Pipes	Y	
8-5-303	Requirements for Pressure Vacuum Valves	Y	
8-5-328	Tank cleaning requirements	Y	
8-5-328.1.2	Concentration of <10,000 ppm as methane after cleaning	Y	
8-5-403	Inspection Requirements for Pressure Vacuum Valves	Y	
8-5-404	Certification	Y	
8-5-501	Keep records	Y	
8-5-502	Tank cleaning annual source test requirement	Y	
8-5-503	Portable hydrocarbon detector	Y	
8-5-605	Pressure-Vacuum Valve Gas Tight Determination	Y	
40 CFR 60	Standards of Performance for New Stationary Sources (12/23/71)	Y	
Subpart A	General Provisions	Y	
60.4(b)	Reports to EPA and District	Y	
60.7(a)	Written notification	Y	
60.7(b)	Records	Y	
60.8	Performance Tests	Y	
60.9	Availability of Information	Y	
60.11(a)	Compliance with standards and maintenance requirements	Y	
60.11(d)	Minimizing emissions	Y	
60.12	Circumvention	Y	
60.13	Reconstruction	Y	
60.19	General notification and reporting requirements	Y	
NSPS Part 60 Subpart Kb	Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984	Y	
60.110b(a)	Tanks greater than or equal to 40 cubic meters	Y	

IV. Source-specific Applicable Requirements

Table IV – I
Source-specific Applicable Requirements
S-32, S-33, S-34, S-35, S-36, S-37, S-38, S-39, S-40, S-41, S-42,
S-43, S-44 – FIXED ROOF TANKS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.112b(a) (3)	A closed vent system and control device	Y	
60.112b(a) (3)(i)	The closed vent system that collects all VOC vapors and gases discharged	Y	
60.112b(a) (3)(ii)	The control device that reduces inlet VOC emissions by 95 percent or greater	Y	
60.113b	Testing and Procedures		
60.113b(c)	Exempt from § 60.8 of the General Provisions	Y	
60.113b(c) (1)	Submit for approval by the Administrator	Y	
60.113b(c) (1)(i)	Documentation demonstrating that the control device will achieve the required control efficiency during maximum loading conditions	Y	
60.113b(c) (1)(ii)	A description of the parameter or parameters to be monitored	Y	
60.113b(c) (2)	Operate and monitor the parameters of the closed vent system and control device	Y	
60.115b	Reporting and recordkeeping requirements	Y	
60.115b(a)	After installing control equipment	Y	
60.115b(a) (1)	Furnish the Administrator with a report	Y	
60.115b(a) (2)	Keep a record of each inspection performed	Y	
60.115b(a) (3)	Report shall identify the storage vessel, the nature of the defects, and the date the storage vessel was emptied	Y	
60.115(c)	Records	Y	
60.115(c)(1)	Operating plan	Y	
60.115(c)(2)	Parameters monitored	Y	
60.116b	Monitoring of Operation	Y	
60.116b(a)	The owner or operator shall keep copies of all records	Y	
60.116b(b)	Accessible records	Y	
60.116b(c)	Record of the VOL stored, the period of storage, and the maximum true vapor pressure of that VOL during the respective storage period	Y	
60.116b(d)	Maximum true vapor pressure	Y	
60.116b(e)	Available data on the storage temperature may be used to determine the maximum true vapor pressure	Y	
60.116b(e) (1)	The maximum true vapor pressure calculation	Y	
60.116b(e) (2)	Vapor pressure for crude oil or refined petroleum products	Y	

IV. Source-specific Applicable Requirements

Table IV – I
Source-specific Applicable Requirements
S-32, S-33, S-34, S-35, S-36, S-37, S-38, S-39, S-40, S-41, S-42,
S-43, S-44 – FIXED ROOF TANKS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.116b(e) (2)(i)	Reid vapor pressure and the maximum expected storage temperature	Y	
60.116b(e) (2)(ii)	The true vapor pressure	Y	
60.116b(e) (3)	For other liquids, the vapor pressure	Y	
60.116b(e) (3)(i)	May be obtained from standard reference texts	Y	
60.116b(e) (3)(ii)	Determined by ASTM Method D2879–83	Y	
60.116b(e) (3)(iii)	Measured by an appropriate method approved by the Administrator	Y	
60.116b(e) (3)(iv)	Calculated by an appropriate method approved by the Administrator	Y	
40 CFR 63	National Emission Standards for Hazardous Air Pollutants For Source Categories	Y	
Subpart A	General Provisions	Y	
63.4	Prohibited activities and circumvention	Y	
63.5	Construction and reconstruction	Y	
63.6	Compliance with standards and maintenance requirements	Y	
63.7	Performance testing requirements	Y	
63.8	Monitoring requirements	Y	
63.9	Notification requirements	Y	
63.10	Recordkeeping and reporting	Y	
63.12	State authority and delegations	Y	
40 CFR Part 63 Subpart R	National Emission Standards for Gasoline Distribution Facilities (Bulk Gasoline Terminals and Pipeline Breakout Stations)	Y	
63.420(f)	Demonstrate compliance	Y	
63.420(g)	Most stringent control requirements	Y	
63.420(h)	Subject to the provisions of 40 CFR part 63, subpart A—General Provisions	Y	
63.420(j)	<i>Rules Stayed for Reconsideration</i>	Y	
63.423	Standards: Storage vessels	Y	
63.423(a)	Requirements	Y	
63.423(c)	December 15, 1997 deadline	Y	

IV. Source-specific Applicable Requirements

Table IV – I
Source-specific Applicable Requirements
S-32, S-33, S-34, S-35, S-36, S-37, S-38, S-39, S-40, S-41, S-42,
S-43, S-44 – FIXED ROOF TANKS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.425	Test methods and procedures	Y	
63.425(a)	Performance test on the vapor processing system	Y	
63.425(b)	Operating parameter	Y	
63.425(b)(1)	Determine an operating parameter value	Y	
63.425(b)(2)	Determine an operating monitoring parameter value	Y	
63.425(b)(3)	Demonstrate continuous compliance	Y	
63.425(c)	Document the reasons for any change in the operating parameter	Y	
63.425(d)	Compliance with § 60.113b	Y	
63.427	Continuous monitoring	Y	
63.427(a)(1)	Continuous emission monitoring system (CEMS)	Y	
63.427(a)(5)	Alternative parameter demonstrates continuous compliance	Y	
63.427(b)	Operate the vapor processing system	Y	
63.427(c)	Monitoring requirements in § 60.116b; 5 years records	Y	
63.428	Reporting and recordkeeping	Y	
63.428(a)	The initial notifications	Y	
63.428(c)(2)	Record and report simultaneously with the notification of compliance	Y	
63.428(c)(2)(i)	Determining the operating parameter value	Y	
63.428(d)	Keep records and furnish reports	Y	
63.428(h)	Submit an excess emissions report to the administrator	Y	
63.428(h)(1)	Each exceedance or failure reports	Y	
63.428(h)(4)	Equipment leak	Y	
63.428(h)(4)(i)	The date on which the leak was detected	Y	
63.428(h)(4)(ii)	The date of each attempt to repair the leak	Y	
63.428(h)(4)(iii)	The reasons for the delay of repair; and	Y	
63.428(h)(4)(iv)	The date of successful repair	Y	
40 CFR 64	Compliance Assurance Monitoring (10/22/97)	Y	
64.2(a)	Applicability	Y	
64.3	Monitoring design criteria	Y	

IV. Source-specific Applicable Requirements

Table IV – I
Source-specific Applicable Requirements
S-32, S-33, S-34, S-35, S-36, S-37, S-38, S-39, S-40, S-41, S-42,
S-43, S-44 – FIXED ROOF TANKS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
64.3(a)	General criteria	Y	
64.3(a)(1)	Data for one or more indicators	Y	
64.3(a)(2)	Indicator range	Y	
64.3(a)(3)	Design of indicator ranges	Y	
64.3(b)	Performance criteria	Y	
64.3(b)(1)	Specifications for obtaining data	Y	
64.3(b)(2)	Verification procedures	Y	
64.3(b)(3)	Quality assurance and control practices	Y	
64.3(b)(4)	Specifications for frequency, procedures, and averaging periods	Y	
64.3(b)(4)(i)	Design of period over which data are obtained, etc.	Y	
64.3(b)(4)(iii)	Frequency for other pollutant-specific emission units	Y	
64.3(c)	Evaluation factors	Y	
64.4	Submittal requirements	Y	
64.4(a)	Submittal of monitoring that satisfies design requirements in 40 CFR 63.4	Y	
64.4(b)	Justification for the proposed monitoring	Y	
64.4(b)(1)	Presumptively acceptable monitoring approaches	Y	
64.4(c)(1)	Submittal of control device operating parameter data obtained during tests	Y	
64.4(c)(2)	Documentation of no changes to system after performance tests	Y	
64.5(b)	Deadline for submittals for other pollutant-specific emissions units	Y	
64.5(d)	Prior to approval, emissions unit subject to 40 CFR 70.1(a)(3)(i)(B)	Y	
64.6(a)	Approval by permitting authority	Y	
64.6(b)	Additional data collection	Y	
64.6(c)	Establishment of permit terms or conditions	Y	
64.6(d)	Installation, testing or final verification	Y	
64.7	Operation of approved monitoring	Y	
64.7(a)	Commencement of operation	Y	
64.7(b)	Proper maintenance	Y	
64.7(c)	Continued operation	Y	
64.7(d)	Response to excursions or exceedances	Y	
64.7(e)	Documentation of need for improved monitoring	Y	
64.8	Quality improvement plan	Y	
64.9	Reporting and recordkeeping requirements	Y	

IV. Source-specific Applicable Requirements

Table IV – I
Source-specific Applicable Requirements
S-32, S-33, S-34, S-35, S-36, S-37, S-38, S-39, S-40, S-41, S-42,
S-43, S-44 – FIXED ROOF TANKS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
64.9(a)	General reporting requirements	Y	
64.9(b)	General recordkeeping requirements	Y	
64.10	Savings provisions	Y	
BAAQMD Condition #6185	Permit Conditions		
Part 1	Emissions from tanks shall be vented to A-421 and A-422, regenerative carbon units all times [Basis: Cumulative Increase]	Y	
Part 2	Hydrocarbon liquids loaded shall not exceed 18.8 million barrels in any consecutive 12 month period [Basis: Cumulative Increase]	Y	
Part 3	Hydrocarbon liquids loaded shall not exceed 250,000 barrels in any day [Basis: Cumulative Increase]	Y	
Part 5	Emissions from A-421 and A-422 regenerative carbon unit shall not exceed 1 pound of POC per 1000 barrels [Basis: Cumulative Increase]	Y	
Part 6	Benzene emissions from A-421 and A-422 shall not exceed 0.15 pounds per day [Basis: Toxics]	N	
Part 7	The average benzene concentration in all hydrocarbon liquids stored shall not exceed 2% by weight [Basis: Toxics]	N	
Part 9	POC emissions from S-27 and from S-32 through S-45 shall not exceed 40 ton/yr [Basis: Cumulative Increase]	Y	
Part 12	Tanks shall be equipped with properly installed and operated pressure relief valves [Basis: Regulation 8-18]	N	
Part 14	Regenerative carbon system shall install an infrared combustible gas detector or District approved equivalent at the outlet of these carbon units [Basis: NSPS]	Y	
Part 15	Regenerative carbon system shall include a continuous temperature monitor and recorder to measure the temperature of each of the four carbon beds [Basis: NSPS]	Y	
Part 16	6 tank degassing operations in any consecutive 12 month period [Basis: Cumulative Increase]	Y	
Part 17	Tank degassing shall be vented at all times to abatement devices [Basis: Regulation 8-5]	Y	
Part 19	Minimize fugitive emissions during tank cleaning operation [Basis: Cumulative Increase]	Y	

IV. Source-specific Applicable Requirements

Table IV – I
Source-specific Applicable Requirements
S-32, S-33, S-34, S-35, S-36, S-37, S-38, S-39, S-40, S-41, S-42,
S-43, S-44 – FIXED ROOF TANKS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 20	The storage tank vapors shall be vented to A-421 and A-422 to reduce POC concentration in the vapor stream to less than 1% vol or 10,000 ppm [Basis: Cumulative Increase]	Y	
Part 22	A-421 and A-422 shall be equipped with continuous hydrocarbon concentration monitor and recorder which measures the outlet concentration [Basis: NSPS]	Y	
Part 23	No tank degassing during bulk liquid transfers, which abated by A-421 and A-422 devices [Basis: Cumulative Increase]	Y	
Part 24	Record keeping for tank degassing operations [Basis: Record Keeping]	Y	
BAAQMD Condition # 12677	Permit Conditions		
Part 1	POC emission limitation [Basis: Cumulative Increase]	Y	
Part 18	Submit report demonstrating compliance with permit conditions annually [Basis: Cumulative Increase]	Y	
Part 19	Submit report demonstrating compliance with permit conditions annually within 30 days after the calendar quarter [Basis: Cumulative Increase]	Y	

IV. Source-specific Applicable Requirements

**Table IV – J
 Source-specific Applicable Requirements
 COMPONENTS**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 18	Organic Compounds-Equipment Leaks (1/7/98)		
8-18-301	General	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	Y	
8-18-402	Identification	Y	
8-18-403	Visual inspection schedule	Y	
8-18-404	Alternate inspection schedule	Y	
8-18-405	Alternate inspection reduction plan	Y	
8-18-501	Portable Hydrocarbon Detector	Y	
8-18-502	Records	Y	
SIP BAAQMD Regulation 8, Rule 18	Organic Compounds-Valves and Connectors at Petroleum Refinery Complexes, Chemical Plants, Bulk Plants and Bulk Terminals (3/4/92)		
8-18-301	Valves and Flanges	Y	
8-18-302	Valves	Y	
8-18-303	Connectors	Y	
8-18-304	Non-repairable valves	Y	
8-18-305	New or Replaced Valves	Y	
8-18-306	Repeat Leakers	Y	
8-18-307	Liquid Leak	Y	
8-18-401	Inspection	Y	
8-18-402	Identification	Y	
8-18-501	Portable Hydrocarbon Detector	Y	
8-18-502	Records	Y	

IV. Source-specific Applicable Requirements

**Table IV – J
 Source-specific Applicable Requirements
 COMPONENTS**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
SIP BAAQMD Regulation 8, Rule 25	Organic Compounds-Pump and Compressor Seals at Petroleum Refinery Complexes, Chemical Plants, Bulk Plants and Bulk Terminals (6/1/94)		
8-25-301	Pump and compressor operating requirements	Y	
8-25-302	Pumps	Y	
8-25-303	Compressors	Y	
8-24-304	Non-repairable pumps and compressors	Y	
8-25-305	New or Replaced pumps and compressors	Y	
8-25-306	Repeat Leakers	Y	
8-25-307	Liquid Leak	Y	
8-25-401	Measurement schedule	Y	
8-25-402	Inspection plan	Y	
8-25-403	Visual inspection schedule	Y	
8-25-405	Pump and compressor identification	Y	
8-25-406	Leaking pumps and compressors	Y	
8-25-501	Portable hydrocarbon detector	Y	
8-25-503	Records	Y	
8-25-504	Burden of proof	Y	
40 CFR Part 63 Subpart R	National Emission Standards for Gasoline Distribution Facilities (Bulk Gasoline Terminals and Pipeline Breakout Stations) (12/14/94)	Y	
63.424(a)	Perform monthly leak inspection of each equipment during the loading of a gasoline cargo tank	Y	
63.424(b)	Log book	Y	
63.424(c)	Record leak detection	Y	
63.424(d)	Delay repair	Y	
63.424(e)	December 15, 1997 initial compliance	Y	
63.424(f)	Alternative to compliance	Y	
63.424(g)	Measures taken	Y	
63.424(g)(1)	Minimize gasoline spills	Y	
63.424(g)(2)	Cleanup spills expeditiously	Y	
63.424(g)(3)	Cover all gasoline containers	Y	
63.424(g)(1)	Minimize gasoline sent to waste collection systems	Y	

IV. Source-specific Applicable Requirements

**Table IV – K
 Source-specific Applicable Requirements
 S-46 EMERGENCY DIESEL GENERATOR**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6	Particulate Matter and Visible Emissions (12/19/90)		
6-303	Ringelmann No. 2 Limitation	Y	
6-303.1	Ringelmann No. 2 Limitation for standby sources of motive power	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-401	Appearance of Emissions	Y	
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	Liquid and Solid Fuels	Y	
BAAQMD Regulation 9, Rule 8	Inorganic Gaseous Pollutants – Nitrogen Oxides and Carbon Monoxide from Stationary Internal Combustion Engines (8/1/2001)		
9-8-330	Emergency Standby Engines, Hours of Operation	Y	
9-8-530	Emergency Standby Engines, Monitoring and Recordkeeping	Y	
ATCM Section 93115, Title 17	Airborne Toxic Control Measure for Stationary Compression Ignition Engines	N	
BAAQMD Condition # 19215			
Part 1	Operation limited to < 50 hours per year for reliability-related activities. [Stationary Diesel Engine ATCM” section 93115, title 17, CA Code of Regulations, subsection (e)(2)(A)3]	N	
Part 2	Non-resettable meter with display capability of 9,999 hours. [Stationary Diesel Engine ATCM” section 93115, title 17, CA Code of Regulations, subsection (e)(4)(G)1]	N	
Part 3	Recordkeeping [Stationary Diesel Engine ATCM” section 93115, title 17, CA Code of Regulations, Subsection (e)(4)(I), Regulation 1-441, Toxics]	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.

VI. PERMIT CONDITIONS

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

COND# 6185

For S-1, S-2, S-3, S-5, S-6, S-12, S-15, S-24, S-25, S-30, S-32 THROUGH S-44, STORAGE TANKS, S-27 MARINE LOADING:

1. The Owner/Operator of Storage Tanks S-32 through S-44 and Marine Loading Berth S-27 shall vent all emissions at all times of operation to the properly maintained and properly operated A-421 and A-422 Regenerative Carbon Units. The switching time between carbon canisters for these units shall not exceed 17 minutes while the system is operating. This condition shall not apply to exempt materials. [Basis: Cumulative Increase]
2. The Owner/Operator shall not load more than 18.8 million barrels of non-exempt organic compounds (as defined in District Regulation 2, Rule 1, Section 123) into Storage Tanks S-32 through S-44 in any consecutive 12-month period. [Basis: Cumulative Increase]
3. The Owner/Operator shall not load more than 250,000 barrels of non-exempt organic compounds (as defined in District Regulation 2, Rule 1, Section 123) into Storage Tanks S-32 through S-44 in any calendar day. Daily records of the total liquid loaded into Storage Tanks S-32 through S-44 shall be kept in a District approved log and retained for at least five years from the date of entry. This log shall be kept on site and made available to District staff upon request. [Basis: Cumulative Increase]
4. The Owner/Operator shall not load more than 47.6 million barrels of non-exempt organic compounds (as defined in District Regulation 2, Rule 1, Section 123) into marine vessels at the Marine Loading Terminal S-27 in any consecutive 12-month period. Monthly records of the total hydrocarbon liquid loaded into marine vessels at S-27 shall be kept in a District approved log and retained for at least five years from the date of entry. This log shall be kept on site and made available to District staff upon request. [Basis: Cumulative Increase]
5. The Owner/Operator shall ensure that emissions from the A-421 and A-422 Regenerative Carbon Units do not exceed 1 pound of POC's per 1000 barrels of hydrocarbon liquid transferred at S-27 and S-32 through S-44. [Basis: Cumulative Increase]
- *6. The Owner/Operator shall ensure that the Benzene emissions from the A-421 and A-422 Carbon Systems combined do not exceed 0.15 lbs per calendar day. [Basis: Toxics]

VI. Permit Conditions

- *7. The Owner/Operator shall ensure that the average benzene concentration in all non-exempt organic compounds (as defined in District Regulation 2, Rule 1, Section 123) stored in Storage Tanks S-32 through S-44 do not exceed 2% by weight. The owner/operator of sources S-32 through S-44 shall randomly analyze materials stored in at least three storage tanks for the average benzene concentration at least once every 6 months. Each tank shall be sampled within 30 days of start-up. If the owner/operator can demonstrate that several tanks contain non-exempt organic compounds from a single source (shipment), then a single benzene analysis may be performed for that group of tanks. These records shall be kept on file for at least five years after the date of entry and shall be made available to District personnel upon request. All tests shall be performed in accordance with District approved laboratory procedures. [Basis: Toxics]
8. Start-up source test condition, deleted.
9. The District shall adjust the throughput limits established in permit conditions 2, 3, and 4, and the emission rate limitation in permit condition 5, if the owner/operator of this facility is able to demonstrate, to the satisfaction of the APCO, that an emission rate less than 1 lb POC/1000 bbl is achievable on a consistent basis. The District would then change the above referenced permit conditions before the issuance of the Permit to Operate for this project. Under no circumstances shall the increase in POC emissions from S-27 as a result of this project plus the new emissions from S-32 through S-44 exceed 40 TPY. [Basis: Cumulative Increase]
10. The Owner/Operator shall ensure all new hydrocarbon liquid product pumps associated with this project shall be equipped with either double mechanical shaft seals or shall utilize seal-less magnetically coupled pumps. These new pumps shall be subject to the inspection and maintenance requirements of District Regulation 8-18 and any future revisions to this rule. [Basis: Regulation 8-18]
11. The Owner/Operator shall ensure all new valves and flanges associated with this project shall be subject to the inspection and maintenance criteria of District Regulation 8-18 and any future revisions to this rule. [Basis: Regulation 8-18]
12. The Owner/Operator shall equip Storage Tanks S-32 through S-44 with properly installed and properly operated pressure relief valves which do not open under normal operating conditions and thereby allow bypassing of the A-421/A-422 Carbon System. The Owner/Operator of S-27 Marine Terminal shall use connection couplings, which minimize fugitive leaks during connection and disconnection of the product loading and vapor recovery piping. [Basis: Regulation 8-18]
13. The Owner/Operator of this facility shall submit an accounting of all new pumps, valves, and flanges associated with this project, and shall also identify the numbers of existing pumps, valves, and flanges, within 60 days of project completion. This accounting shall recalculate fugitive emissions from both these new sources and from existing fugitive sources. The calculations shall also compare the actual new fugitive emissions versus the projected fugitive emissions calculated in the permit application. The District may adjust the plant Cumulative Increase based on the recalculated actual emission rate. [Basis: Cumulative Increase]
14. The Owner/Operator of the A-421 and A-422 Regenerative Carbon Systems shall install an infrared

VI. Permit Conditions

combustible gas detector or District approved equivalent at the outlet of these carbon units. This detector shall continuously measure and record non-methane hydrocarbon concentration in PPM as propane. The type and design specifications of this detector shall be approved by the District's Source Test Manager before installation. [Basis: NSPS]

15. Deleted, extra requirement, continuous hydrocarbon monitor and recorder installed at the tail end of the abatement's outlet is already a good indicator.
16. The Owner/Operator shall not degas more than six tanks at this facility in any consecutive 12-month period. [Basis: Cumulative Increase]
17. The Owner/Operator shall vent all tank degassing operations at all times to either the properly maintained and properly operated Carbon Adsorption/Desorption System (A-421 & A-422) or an authorized portable unit. [Basis: Regulation 8-5]
18. Deleted.
19. The Owner/Operator shall ensure that the control equipment (A-421 and A-422) allow the tank to operate at negative pressure during tank cleaning operations. Fugitive emissions during tank cleaning operations shall be minimized. This control equipment shall begin operating prior to flushing the tank with water. [Basis: Cumulative Increase]
20. The Owner/Operator shall vent storage tank vapors to the A-421 and A-422 control equipment, or an authorized portable unit for as long as is necessary to reduce the POC concentration in the vapor stream to less than 1% (vol) or 10,000 ppm. [Basis: Cumulative Increase]
21. Deleted.
22. The Owner/Operator shall equip A-421 and A-422 with a continuous hydrocarbon concentration monitor and recorder that measures the outlet concentrations at this abatement equipment. [Basis: NSPS]
23. The Owner/Operator shall not degas any tanks to the A-421/A-422 Carbon Systems during bulk liquid transfers at any other sources abated by A-421 and A-422. [Basis: Cumulative Increase]
24. The Owner/Operator of A-421 and A-422 shall maintain the following records:
 - a) Number of tank degassing operations,
 - b) Abatement device used for each degassing operation
 - c) The hydrocarbon concentration at the outlet of the abatement device during the venting operation. [Basis: Recordkeeping]

These records shall be kept in a District approved log and retained for at least five years from the date of entry. This log shall be kept on site and made available to District Staff upon request. [Basis: Cumulative Increase]

25. The Owner/Operator shall ensure that the combined total pumping rate through the two loading

VI. Permit Conditions

arms associated with S-27 does not exceed 10,000 barrels per hour. [Basis: Cumulative Increase]

26. The Owner/Operator shall transfer only the following materials at Marine Loading Terminal S-27:

- 1) Ethanol, Methanol
- 2) Gasoline
- 3) MTBE
- 4) Any material which is exempt from District permitting requirements (as long as the loading of this exempt material has been properly reported to the District), or any other petroleum hydrocarbon material with a vapor pressure less than unleaded gasoline (6.2 psia at 70 deg F) and toxicity less than unleaded gasoline (4% benzene by weight). [Basis: Cumulative Increase, Toxics]

COND# 12677

For S-1 THROUGH S-26, S-30, S-32 THROUGH S-44 - STORAGE TANKS, S-27 - MARINE LOADING RACKS:

1. The Owner/Operator shall ensure that POC emissions from Sources S-1 through S-26 and S-32 through S-44 plus tanker transit combustion emissions calculated in accordance with the equation below, do not exceed 73 tons during any consecutive 12 month period, nor 11,644 lb/day. The emissions shall be calculated by adding the following:

- Tanker Transit Emissions
- Tanker Hotelling Emissions
- Tanker Pumping Emissions
- Truck Rack Emissions
- Tug Combustion Emissions
- Fugitive Emissions
- Low Vapor Pressure Product Tank Breathing Losses
- Gasoline Tank Standing Losses
- Low Vapor Pressure Product Tank Working Losses
- Gasoline Tank Withdrawal Losses
- Oil/Water Separator Emissions
- Diesel Tank Withdrawal Emissions

All calculations shall be performed in accordance with the procedures shown in schedule F. [Basis: Cumulative Increase]

2. The Owner/Operator shall ensure that POC emissions from Source S-27 Marine Loading operations do not exceed 23.8 tons in any consecutive 12 month period. [Basis: Cumulative Increase]

All calculations shall be performed in accordance with the procedures shown in schedule F. [Basis: Cumulative Increase]

3. The Owner/Operator shall ensure that carbon monoxide emissions from Sources S-1 through S-26

VI. Permit Conditions

plus tanker combustion emissions do not exceed 95.0 tons in any consecutive 12 month period. The emissions shall be calculated by adding the following:

- Tug Combustion Emissions
- Tanker Hotelling Emissions
- Tanker Transit Emissions
- Tanker Pumping Emissions

All calculations shall be performed in accordance with the procedures shown in schedule F. [Basis: Cumulative Increase]

4. The Owner/Operator shall ensure that oxides of nitrogen, NO_x, emissions (as NO₂) from Sources S-1 through S-26 plus tanker transit emissions do not exceed 95.0 tons in any consecutive 12 month period nor 1923 lb/day. The emissions shall be calculated by adding the following:

- Tug Combustion Emissions
- Tanker Hotelling Emissions
- Tanker Transit Emissions
- Tanker Pumping Emissions

All calculations shall be performed in accordance with the procedures shown in schedule F. [Basis: Cumulative Increase]

5. The Owner/Operator shall ensure that sulfur dioxide emissions from Sources S-1 through S-26 plus tanker transit combustion emissions do not exceed 45.4 tons in any consecutive 12-month period nor 7918 lbs/day. The emissions shall be calculated by adding the following:

- Tug Combustion Emissions
- Tanker Hotelling Emissions
- Tanker Transit Emissions
- Tanker Pumping Emissions

All calculations shall be performed in accordance with the procedures shown in schedule G.

All emissions calculations in schedule F assume that marine bunker fuel contains 2% sulfur and marine diesel contains 0.5% sulfur.

If the ships use a fuel with a different sulfur content, the actual sulfur emissions will be different. The total sulfur emission must be calculated using the procedure shown in schedule G. [Basis: Cumulative Increase]

6. The Owner/Operator shall ensure that particulate matter emissions (PM₁₀) from Sources S-1 through S-26 plus tanker transit combustion emissions do not exceed 23.0 tons during any consecutive 12 month period nor 281 pounds on any day. The emissions shall be calculated by adding the following:

- Tug Combustion Emissions

VI. Permit Conditions

Tanker Hotelling Emissions
Tanker Transit Emissions
Tanker Pumping Emissions

All calculations shall be performed in accordance with the procedures shown in schedule F. [Basis: Cumulative Increase]

7. The Owner/Operator shall store products in Tanks S-1, S-2, S- 3, S-5, S-6, S-11, S-12, S-15, S-24, S-25, and S-30 that have true vapor pressure not greater than 11.0 psia. [Basis: Cumulative Increase]
8. The Owner/Operator shall vent all emissions from the S-22 Shore Terminals-Selby Truck Loading Rack to the A-1 Vapor Recovery System, which shall meet the following requirements:
 - A. POC emissions from A-1 shall not exceed 0.08 lb/Mgal of gasoline loaded, or the current District Regulation limit, whichever is more stringent. [Basis: Regulation 8-33]
 - B. Vapor outlet shall be equipped with a combustible gas detector/recorder. This detector shall be set to provide a visible and audible alarm at no more than 4% hydrocarbon (as propane). The District is to be notified within 96 hours of the triggering of this alarm. Charts are to be retained for no less than five years, and shall be available for District inspection upon request. [Basis: Regulation 2-1-403]
 - C. Shore Terminals-Selby shall provide fail-safe instrumentation that will make it impossible to load a truck if the combustible gas detector indicates a hydrocarbon content in excess of 4% (as butane). [Basis: Regulation 2-1-403]
 - D. Shore Terminals-Selby shall test the overall hydrocarbon emissions once every six months. The testing shall be performed in accordance with District Manual of Procedures. [Basis: Regulation 2-1-403]
 - E. A performance test is required after no less than 30 days and no more than 60 days of operation following installation of any fresh carbon. The applicant shall contact the Source Test Section within 30 days of start- up for testing requirements. [Basis: Regulation 2-1-403]
 - F. Operating time between carbon bed switching shall be no more than 30 minutes while the system is operating. [Basis: Regulation 8-5, NSPS]
9. The Owner/Operator shall inspect and maintain all pumps, valves, flanges and compressors according to the requirements of District Regulation 8-18. Regulation[Basis: Regulation 8-18]
10. The Owner/Operator shall drain and treat any organic/water mixture from degassed storage tanks in the oil/water separator, or transport off-site for disposal at an authorized facility. [Basis: Regulation 8-5]
11. The Owner/Operator shall not receive products from or load products onto any vessel at the terminal which has a maximum registered deadweight tonnage greater than 139,000 deadweight tons, as shown in the most recent published edition of Clarkson's Tanker Register or another similar authoritative source. [Basis: Cumulative Increase]
12. The Owner/Operator shall not allow emissions of a gas, which contains in excess of 2000 ppm (vol.) of sulfur dioxide at the terminal during marine vessel calling. [Basis: Regulation 9-1-303]

VI. Permit Conditions

13. The Owner/Operator shall not allow any marine vessel calling exclusively at the Terminal shall, while within District waters, engage in any maintenance, repair, inspection, washing or lightering or cargo tanks or any other operation (excepting cargo loading and off-loading, ballasting, and bunkering) that result in the escape of hydrocarbon vapors to the atmosphere, except that this does not prohibit emergency repairs. [Basis: Cumulative Increase]
14. The Owner/Operator shall stop all pumping of products and all ballasting in the event of a spill of petroleum products to the Bay by a marine vessel while at Terminals 's dock. These operations will not be resumed until the situation has been rectified. [Basis: Regulation 8-5]
15. The Owner/Operator shall stop all ballasting into cargo tanks which contain gasoline or loading or cargo in the event that the Air Pollution Emergency level is reached for ozone in the District. Ballasting or loading can be resumed when the Emergency has been called off by the District. [Basis: Regulation 8-44-305]
16. Nothing in any conditions of this permit shall be construed to require any act or omission or to prohibit any act where such requirement or prohibition would be in violation of any regulation or other requirement of the U.S. Coast Guard. [Basis: Regulation 8-44-402]
17. Deleted
18. No later than 60 days after the end of each calendar year, the Owner/Operator shall submit to the District a report demonstrating compliance with the conditions of this permit. The annual reports shall include all data necessary to determine compliance with these permit conditions including:
 - A. A list of all sources in operation at the Terminal throughout the year.
 - B. A list of new sources which began operation during the year, and the date they commenced operating.
 - C. The total volume of each type of product received at the Terminal during the year.
 - D. The total volume of each type of product shipped from the Terminal during the year.
 - E. For each marine vessel which called at the Terminal during the year provide: the name, registered size (in deadweight tons), propulsion source (motor or steam), quantity and type of cargo off-loaded and/or on-loaded, number of tug-hours of assistance provided at berthing and de-berthing, and whether the vessel called at any other wharf in the District to deliver or load cargo.
 - F. The total volume of gasoline delivered through the truck rack during the year.
 - G. The total volume of liquids processed through the oil/water separator during the year. [Basis: Recordkeeping]
 - H. The volume of 0.5% S fuel, 0.25% S marine diesel, and 0.010% S marine diesel supplied to marine vessels calling at the Terminal during the year, and the identification of each vessel to which it was supplied. [Basis: Cumulative Increase]
19. No later than 30 days after the end of each calendar quarter, the Owner/Operator shall submit to the District's Permit Services Division a report containing the information required by condition 18 E applicable to that quarter. [Basis: Cumulative Increase]

VI. Permit Conditions

SCHEDULE A ORGANIC COMPOUND EMISSION CALCULATIONS

CARGO LOADING OPERATION
CARGO LOADING EMISSIONS < 36.9 TONS PER YEAR TERMINAL TOTALS

TERMINAL TOTALS
TANKER TRANSIT EMISSIONS + TANKER HOTELLING EMISSIONS + TANKER PUMPING
EMISSIONS + TRUCK RACK EMISSIONS
+ TUG COMBUSTION EMISSIONS + FUGITIVE EMISSIONS + LOW VAPOR PRESSURE
PRODUCT TANK BREATHING LOSSES + GASOLINE TANK STANDING LOSSES + LOW
VAPOR PRODUCT + GASOLINE TANK WITHDRAWAL LOSSES + OIL/WATER SEPARATOR
EMISSIONS + DIESEL TANK WITHDRAWAL EMISSIONS < 69 TONS PER YEAR

ALL CALCULATIONS SHALL BE PERFORMED IN ACCORDANCE WITH THE PROCEDURE
SHOWN IN SCHEDULE F.

SCHEDULE B CARBON MONOXIDE EMISSIONS CALCULATIONS

TUG COMBUSTION EMISSIONS + TANKER HOTELLING EMISSIONS + TANKER TRANSIT
EMISSION + TANKER PUMPING EMISSIONS < 95.0 TONS PER YEAR

ALL CALCULATIONS SHALL BE PERFORMED IN ACCORDANCE WITH THE PROCEDURE
SHOWN IN SCHEDULE F.

SCHEDULE C OXIDES OF NITROGEN EMISSION CALCULATIONS

TUG COMBUSTION EMISSIONS + TANKER HOTELLING EMISSIONS + TANKER TRANSIT
EMISSIONS + TANKER PUMPING < 95.0 TONS PER YEAR

ALL CALCULATIONS SHALL BE PERFORMED IN ACCORDANCE WITH THE PROCEDURES
SHOWN IN SCHEDULE F.

SCHEDULE D SULFUR DIOXIDE EMISSION CALCULATIONS

TUG COMBUSTION EMISSIONS + TANKER HOTELLING EMISSIONS + TANKER TRANSIT
EMISSIONS + TANKER PUMPING EMISSIONS < 45.4 TONS PER YEAR

ALL CALCULATIONS SHALL BE PERFORMED IN ACCORDANCE WITH THE PROCEDURES
SHOWN IN SCHEDULE G.

VI. Permit Conditions

* ALL EMISSION CALCULATIONS IN SCHEDULE F ASSUME THAT MARINE BUNKER FUEL CONTAINS 2% SULFUR AND MARINE DIESEL CONTAINS 0.5% SULFUR
IF THE SHIPS USE A FUEL WITH A DIFFERENT SULFUR CONTENT, THE ACTUAL SULFUR EMISSIONS WILL BE DIFFERENT. THE TOTAL SULFUR EMISSION MUST BE CREDIT CALCULATED USING THE PROCEDURE SHOWN IN SCHEDULE G

SCHEDULE E PARTICULATE MATTER EMISSION CALCULATIONS

TUG COMBUSTION EMISSIONS + TANKER HOTELLING EMISSIONS + TANKER TRANSIT EMISSIONS + TANKER PUMPING EMISSIONS < 23.0 TONS PER YEAR

ALL CALCULATIONS SHALL BE PERFORMED IN ACCORDANCE WITH THE PROCEDURES SHOWN IN SCHEDULE F.

SCHEDULE F DETAILED CALCULATION PROCEDURES (SEE ENGINEERING EVALUATION REPORT # 30472 FOR DETAILED DERIVATIONS)

TRUCK RACK EMISSIONS
0.08 LB/1000 GALLONS OF GASOLINE LOADED THROUGH RACK

FUGITIVE (VALVE, FLANGES, COMPRESSORS)
100 LB./DAY

FLOATING ROOF TANKS
D = TANK DIAMETER
FOR EACH GASOLINE TANK
 $L_s = 25.6 \times D \text{ LB VOC/DAY} / 365$
FOR EACH DIESEL TANK
 $L_s = \text{NEGLIGIBLE WITHDRAWAL LOSSES (TOTAL FACILITY)}$
 $L_w = 6.4 \text{ LB./DAY}$

FIXED ROOF TANKS
D = TANK DIAMETER
 $LB = 0.323 \times D^{1.73} \text{ LB. VOC/DAY} / 365$
 $L_w = .383 \text{ LB. VOC/1000 BBL THROUGHPUT}$

OIL/WATER SEPARATOR
0.2 LB VOC/1000 GALLON WATER PROCESSED

CARGO LOADING

VI. Permit Conditions

TYPE OF VESSEL	PRIOR CARGO	CONDITION OF COMPARTMENT	EMISSION FACTOR (LBS VOC/1000 BBL LOADED)			DIESEL
			GASOLINE			
			Min Ullage < 10 FT	Min Ullage 10-20 FT	Min Ullage >20FT	
TANKER/OCEAN BARGE	VOLATILE	UNCLEANED	109.2	94.5	79.8	79.8
		BALLASTED	71.4	56.7	42.0	42.0
		CLEANED	63.04	8.3	33.6	33.6
		GAS-FREED	29.4	14.7	0.0	0.0
	NOT-VOLATILE	ALL	29.4	14.7	0.0	0.0
BARGE	VOLATILE	UNCLEANED	163.8	163.8	163.8	79.8
		BALLASTED	84.0	84	84	0
		CLEANED	84.0	84	84	0
		GAS-FREED	84.0	84	84	0
	NOT-VOLATILE	ALL	84.0	84	84	0

VOLATILE LIQUID IS ANY LIQUID WITH A TRUE VAPOR PRESSURE > 1.5 PSIA.

MARINE VESSEL CALCULATIONS

CALCULATIONS OF SULFUR DIOXIDE FROM MARINE VESSELS WHICH CALL AT THE TERMINAL SHALL BE BASED ON THE ACTUAL SULFUR CONTENT OF THE FUEL USED. SULFUR DIOXIDE EMISSIONS SHALL BE CALCULATED USING SCHEDULE G.

TUG ASSIST

EMISSIONS = # OF TUGS x TUG ASSIST TIME x FACTOR

FACTORS:	VOC	CO	NOx	PM
LB/TUG-HOUR	0.85	3.73	37.45	1.64

STEAM SHIP

TRANSIT EMISSIONS (BASIS: 2.0% FUEL OIL)

EMISSIONS = # OF CALLS x FACTOR (FOR SHIPS MAKING CALLS AT OTHER BAY AREA PORTS)

= # OF CALLS x FACTOR x 2 (FOR SHIPS CALLING SOLELY AT WICKLAND)

STEAM SHIP SIZE	FACTOR (LB/CALL)			
	VOC	CO	NOx	PM
< 20 M DWT	2	2	30	12
20-29M DWT	3	3	49	19

VI. Permit Conditions

30-39M DWT	4	3	57	22
40-49M DWT	4	4	66	26
50-59M	5	4	80	31
60-79M DWT	6	5	91	36
80-99M DWT	7	6	110	43
100-139M DWT	8	7	121	48

HOTELLING EMISSIONS

EMISSIONS = HOTELLING TIME x FACTOR
 = 6 x FACTOR (FOR OFFLOADING)
 = ACTUAL LOADING TIME x FACTOR (FOR LOADING)

STEAM SHIP SIZE	FACTOR (LB/HR)			
	VOC	CO	NOx	PM
<60M DWT	0.1	0.1	0.9	0.8
60-139M DWT	0.3	0.2	1.8	1.6

PUMPING EMISSIONS

EMISSIONS = 1000 BBLs OFF-LOADED x FACTOR

FACTOR LB/1000	VOC	CO	NOx	PM
	0.1	0.1	1.4	0.6

MOTOR SHIP

TRANSIT EMISSIONS

EMISSIONS = # OF CALLS x FACTOR (FOR SHIPS MAKING CALLS AT OTHER BAY AREA PORTS)

= # OF CALLS x FACTOR x 2 (FOR SHIPS CALLING ONLY AT WICKLAND)

MOTOR SHIP SIZE	FACTOR (LB/CALL)			
	VOC	CO	NOx	PM
<20M DWT	10	18	116	6
20-29M DWT	23	40	260	14
30-39M DWT	28	49	318	17
40-49M DWT	34	58	375	20
50-59M DWT	35	60	390	21
60-79M DWT	39	67	434	24
80-99M DWT	45	78	505	28
100-139M DWT	54	94	607	33

HOTELLING EMISSIONS

EMISSIONS = HOTELLING TIME x FACTOR
 = 6 x FACTOR (FOR OFF-LOADING)

VI. Permit Conditions

= ACTUAL LOADING TIME x FACTOR (FOR LOADING)

MOTOR SHIP SIZE	VOC	CO	NOx	PM
<60M DWT	0.7	1.2	7.7	0.4
60-139M DWT	1.4	2.4	15.4	0.8

PUMPING EMISSIONS

EMISSIONS = 1000 BBLs OFF-LOADED x FACTOR

FACTOR	VOC	CO	NOx	PM
1B/1000 BBLs	0.1	0.1	1.4	0.6

SCHEDULE G

SULFUR EMISSIONS FROM SHIP COMBUSTION

A. FUEL OIL

FUEL OIL SHALL BE ASSUMED TO CONTAIN 3.5% SULFUR. WICKLAND MAY TAKE A SAMPLE OF FUEL IN SHIP'S TANKS, AND USE THE ACTUAL MEASURED SULFUR CONTENT IN THE FOLLOWING CALCULATION.

TUG ASSIST = EMISSION # OF TUGS x TUG ASSIST TIME x % SULFUR x FACTOR
 FACTOR = 2.3

STEAM SHIP

TRANSIT EMISSIONS

EMISSIONS = # OF CALLS x FACTOR x % SULFUR (FOR SHIPS MAKING CALLS AT OTHER BAY AREA POINTS)

= # OF CALLS x FACTOR x % SULFUR x 2 (FOR SHIPS CALLING SOLELY AT WICKLAND)

FACTOR (LB/CALL)

STEAM SHIP SIZE	SOx
<20M DWT	100
20-29M DWT	162
30-39M DWT	187
40-49M DWT	217
50-59M DWT	261
60-79M DWT	298
80-99M DWT	360
100-139M DWT	398

VI. Permit Conditions

HOTELLING EMISSIONS

$$\begin{aligned} \text{EMISSIONS} &= \text{HOTELLING TIME} \times \text{FACTOR} \times \% \text{SULFUR} \\ &= 6 \times \text{FACTOR (FOR OFFLOADING)} \\ &= \text{ACTUAL LOADING TIME} \times \text{FACTOR (FOR LOADING)} \end{aligned}$$

FACTOR (LB/HR)	
STEAM SHIP SIZE	SOx
<60M DWT	6.6
60-139M DWT	13.2

PUMPING EMISSIONS

$$\text{EMISSIONS} = 1000 \text{ BBLs OFF-LOADED} \times \text{FACTOR} \times \% \text{SULFUR}$$

FACTOR	SOx
1B/1000 BBLs	4.8

MOTOR SHIP

TRANSIT EMISSIONS

$$\begin{aligned} \text{EMISSIONS} &= \# \text{ OF CALLS} \times \text{FACTOR} \times \% \text{SULFUR (FOR SHIPS MAKING} \\ &\quad \text{CALLS AT OTHER BAY AREA PORTS)} \\ &= \# \text{ OF CALLS} \times \text{FACTOR} \times \% \text{SULFUR} \times 2 \text{ (FOR SHIPS CALLING} \\ &\quad \text{ONLY AT WICKLAND)} \end{aligned}$$

FACTOR (LB/CALL)	
MOTOR SHIP SIZE	SOx
<20M DWT	44
20-29M DWT	100
30-39M DWT	122
40-49M DWT	144
50-59M DWT	148
60-79M DWT	166
80-99M DWT	194
100-139M DWT	232

HOTELLING EMISSIONS

$$\begin{aligned} \text{EMISSIONS} &= \text{HOTELLING TIME} \times \text{FACTOR} \times \% \text{SULFUR} \\ &= 6 \times \text{FACTOR (FOR OFFLOADING)} \\ &= \text{ACTUAL LOADING TIME} \times \text{FACTOR (FOR LOADING)} \end{aligned}$$

MOTOR SHIP SIZE	SOx
<60M DWT	3.0
60-139M DWT	5.8

PUMPING EMISSIONS

VI. Permit Conditions

EMISSIONS = 1000 BBLs OFF-LOADED x FACTOR x % SULFUR

FACTOR	SO _x
1B/1000 BBLs	4.8

COND# 19215

For S-46 – EMERGENCY DIESEL GENERATOR:

1. The owner or operator shall operate S-1, stationary emergency standby engine, only to mitigate emergency conditions or for reliability-related activities (maintenance and testing). Operating while mitigating emergency conditions and while emission testing to show compliance with this part is unlimited. Operating for reliability-related activities is limited to 50 hours per year.

(Basis: “Stationary Diesel Engine ATCM” section 93115, title 17, CA Code of Regulations, subsection (e)(2)(A)3)

2. The Owner/Operator shall equip the emergency standby engine(s) with: a. a non-resettable totalizing meter with a minimum display capability of 9,999 hours that measures the hours of operation for the engine.

(Basis: “Stationary Diesel Engine ATCM” section 93115, title 17, CA Code of Regulations, subsection (e)(4)(G)1)

3. 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. 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 (maintenance and testing).
 - b. Hours of operation for emission testing.
 - c. Hours of operation (emergency).
 - d. For each emergency, the nature of the emergency condition.
 - e. CARB Certification Executive Order for the engine.
 - f. Fuel usage for each engine. The Owner/Operator shall document fuel use through the retention of fuel purchase records that account for all fuel used in the engine and all fuel purchased for use in the engine, and, at a minimum, contain the following information for each individual fuel purchase transaction:
 - I. Identification of the fuel purchased as either CARB Diesel, or an alternative diesel fuel that meets the requirements of the Verification Procedure, or an alternative fuel, or CARB Diesel fuel used with additives that meet the requirements of the Verification Procedure, or any combination of the above;
 - II. Amount of fuel purchased;
 - III. Date when the fuel was purchased;
 - IV. Signature of owner or operator or representative of owner or operator who received the fuel; and
 - V. Signature of fuel provider indicating fuel was delivered.

(Basis: “Stationary Diesel Engine ATCM” section 93115, title 17, CA Code of Regulations, Subsection (e)(4)(I), Regulation 1-441, Toxics)

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-1, S-2, S-3, S-5, AND S-6 -
EXTERNAL FLOATING ROOF TANKS

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	BAAQMD 8-5-320.3.1	Y		Gasketed cover, seal or lid with gap \leq 0.32 cm (1/8 in)	BAAQMD 8-5-401.2, 8-5-404	P/twice/yr	Inspection
							Certification
	BAAQMD 8-5-320.4.2	Y		Well with cover, seal or lid with gap \leq 0.32 cm (1/8 in)	BAAQMD 8-5-401.2, 8-5-404	P/twice/yr	Inspection
							Certification
	BAAQMD 8-5-320.4.3	Y		Gap between well and roof \leq 1.3 cm (1/2 in)	BAAQMD 8-5-401.2, 8-5-404	P/twice/yr	Inspection
							Certification
	BAAQMD 8-5-320.5.2	Y		Well with cover gasket, a pole sleeve, pole wiper, and internal float with gap \leq 1.3 cm (1/2 in), or zero gap pole wiper seal	BAAQMD 8-5-401.2, 8-5-404	P/twice/yr	Inspection
							Certification

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - A
Applicable Limits and Compliance Monitoring Requirements
S-1, S-2, S-3, S-5, AND S-6 -
EXTERNAL FLOATING ROOF TANKS

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
	BAAQMD 8-5-320.5.3	Y		Gap between well and roof ≤ 1.3 cm (1/2 in)	BAAQMD 8-5-401.2, 8-5-404	P/twice/yr	Inspection Certification
POC	BAAQMD 8-5-321.3	Y		Primary seal metallic shoe extends a minimum 61 cm (24 in) above liquid surface	BAAQMD 8-5-401.1, 8-5-404	P/twice/yr P/twice/yr	Inspection Certification
POC	BAAQMD 8-5-321.3.1	Y		Gap between shoe and tank shell is no greater than 46 cm (18 in)	BAAQMD 8-5-401.1, 8-5-404	P/twice/yr P/twice/yr	Inspection Certification
POC	BAAQMD 8-5-321.3.2	Y		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 seal gaps exceeding 1.3 cm (1/2 in) shall be $\leq 10\%$ of circumference and the cumulative length of all seal gaps exceeding 0.32 cm (1/8 in) $\leq 40\%$ of circumference	BAAQMD 8-5-401.1, 8-5-404	P/twice/yr P/twice/yr	Inspection Certification
POC	BAAQMD 8-5-322.2	Y		Secondary seal shall allow insertion of probes up to 3.8 cm (1 1/2 in) in width	BAAQMD 8-5-401.1, 8-5-404	P/twice/yr P/twice/yr	Inspection Certification
POC	BAAQMD 8-5-322.3	Y		Gap between tank shell and the secondary seal shall not exceed 1.3 cm (1/2 in)	BAAQMD 8-5-401.1, 8-5-404	P/ twice/yr P/twice/yr	Inspection Certification
POC	BAAQMD 8-5-328.1.2	Y		Tank Cleaning $\geq 90\%$ wt. emission control, POC concentration $< 10,000$ ppm	BAAMD 8-5-502	P/A	Source test

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - A
Applicable Limits and Compliance Monitoring Requirements
S-1, S-2, S-3, S-5, AND S-6 -
EXTERNAL FLOATING ROOF TANKS

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	Subpart Ka 40 CFR 60.112(a) (a)(1)(i)(A), (B), (C), (D)	Y		Accumulated area of gaps between tank wall and primary seal < 21.2 cm ² per meter of tank diameter, width of any portion of gap < 1.27 cm	40 CFR 60.113(a)(a) (1)(i)(A),	P/5 yr,	Inspection, Record
POC	Subpart Ka 40 CFR 60.112(a) (b)(1)(ii) (A), (B), (C)	Y		Accumulated area of gaps between tank wall and secondary seal < 21.2 cm ² per meter of tank diameter, width of any portion of gap < 1.27 cm	40 CFR 60.113(a)(a) (1)(i)(B)	P/1 yr,	Inspection, Record
POC	Subpart Ka 40 CFR 60.112(a) (b)(1)(iv)	Y		Emergency roof drain with slotted membrane fabric cover at least 90% of the opening area	40 CFR 60.113(a)(a) (1)(i)(A),	P/5 yr,	Inspection, record
POC	BAAQMD Condition # 6185, part 20	Y		POC concentration < 1% or 10,000 ppm	BAAQMD Condition # 6185, part 22	C	Hydro-carbon concentration monitor
POC	BAAQMD Condition # 12677, part 1	Y		POC ≤ 73 tons in any consecutive 12 month period, nor 11644 pounds per day for all sources	BAAQMD Condition # 12677, part 18	P/ A	Records
POC	BAAQMD Condition # 12677, part 7	N		TVP ≤ 11.0 psia	BAAQMD Condition # 12677, part 18	P/A	Records
POC	BAAQMD Condition # 12677, part 11	Y		Maximum register deadweight ≤ 139,000 ton	BAAQMD Condition # 12677, part 18	P/A	Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - A
Applicable Limits and Compliance Monitoring Requirements
S-1, S-2, S-3, S-5, AND S-6 -
EXTERNAL FLOATING ROOF TANKS

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
CO	BAAQMD Condition # 12677, part 3	Y		CO ≤ 95 tons in any consecutive 12 month period for all sources	BAAQMD Condition # 12677, part 18	P/A	Records
NOx	BAAQMD Condition # 12677, part 4	Y		NOx ≤ 95 tons in any consecutive 12 month period, nor 1923 pounds per day for all sources	BAAQMD Condition # 12677, part 18	P/A	Records
SO2	BAAQMD Condition # 12677, part 5	Y		SO2 ≤ 45.4 tons in any consecutive 12 month period, nor 7918 pounds per day for all sources	BAAQMD Condition # 12677, part 18	P/A	Records
PM10	BAAQMD Condition # 12677, part 6	Y		PM10 ≤ 23 tons in any consecutive 12 month period, nor 281 pounds per day for all sources	BAAQMD Condition # 12677, part 18	P/A	Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - B
Applicable Limits and Compliance Monitoring Requirements
S-11 - INTERNAL FLOATING ROOF TANK

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	BAAQMD 8-5-303.1	Y		PSV set within 10% of maximum pressure or at least 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 8-320.3.1	Y		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 8-320.3.2	Y		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
POC	BAAQMD 8-5-320.4.2	Y		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	Y		Solid sampling or gauging wells: Gap between well and roof shall be added to gaps not to exceed 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	Y		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

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - B
Applicable Limits and Compliance Monitoring Requirements
S-11 - INTERNAL FLOATING ROOF TANK

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	BAAQMD 8-5-320.5.3	Y		Slotted sampling or gauging wells: Gap between well and roof shall be added to gaps not to exceed 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	Y		Emergency roof drain with slotted membrane fabric covering \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	Y		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
POC	BAAQMD 8-5-321.2	Y		Primary seal metallic shoe or liquid mounted type	BAAQMD 8-5-402.1 & 8-5-404	P/10 yr P/10 yr	Inspection Certification
POC	BAAQMD 8-5-321.3	Y		Primary seal metallic shoe extends vertically minimum 18 in for internal Floating Roof tank above liquid surface	BAAQMD 8-5-401, & 8-5-404	P/10 yr P/10 yr	Inspection Certification
POC	BAAQMD 8-5-321.3.1	Y		Gap between shoe and tank shell is no greater than 46 cm (18 in)	BAAQMD 8-5-401, & 8-5-404	P/10 yr P/10 yr	Inspection Certification

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - B
Applicable Limits and Compliance Monitoring Requirements
S-11 - INTERNAL FLOATING ROOF TANK

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	BAAQMD 8-5-321.3.2	Y		For welded tanks, gap between tank shell and the primary seal \leq 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 seal gaps exceeding 1.3 cm (1/2 in) \leq 10% of circumference and the cumulative length of all seal gaps exceeding 0.32 cm (1/8 in) \leq 40% of circumference	BAAQMD 8-5-401, 8-5-404	P/10 yr P/10 yr	Inspection Certification
POC	BAAQMD 8-5-322.1	Y		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	Y		Secondary seal shall allow insertion of probes up to 3.8 cm (1 1/2 in) in width	BAAQMD 8-5-402, & 8-5-404	P/10 yr P/10 yr	Inspection Certification
POC	BAAQMD 8-5-322.3	Y		Gap between tank shell and the secondary seal shall not exceed 1.3 cm (1/2 in)	BAAQMD 8-5-402, & 8-5-404	P/10 yr P/10 yr	Inspection Certification

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - B
Applicable Limits and Compliance Monitoring Requirements
S-11 - INTERNAL FLOATING ROOF TANK

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	BAAQMD 8-5-328.1.1	Y		Tank $\geq 75 \text{ m}^3$, tank cleaning shall have liquid balancing with $\leq 0.5 \text{ psia}$	None	N	None
POC	BAAQMD 8-5-328.1.2	Y		Tank $\geq 75 \text{ m}^3$, Tank cleaning 90% wt. emission control, POC concentration $< 10,000 \text{ ppm}$	BAAQMD 8-5-502	P/A	Source Test
POC	Subpart Ka 40 CFR 60.112(a) (2)	Y		No gap	None	None	None
POC	BAAQMD Condition #6185, part 20	Y		POC concentration $< 1\%$ or $10,000 \text{ ppm}$	BAAQMD Condition #6185, part 22	C	Hydrocarbon concentration monitor
POC	BAAQMD Condition #12677, part 1	Y		POC $\leq 71.7 \text{ tons}$ in any consecutive 12 month period, nor 11644 pounds per day for all sources	BAAQMD Condition #12677, part 18	P/A	Records
POC	BAAQMD Condition #12677, part 7	N		TVP $\leq 11.0 \text{ psia}$	BAAQMD Condition #12677, part 18	P/A	Records
POC	BAAQMD Condition #12677, part 11	Y		Maximum register deadweight $\leq 139,000 \text{ ton}$	BAAQMD Condition #12677, part 18	P/A	Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - B
Applicable Limits and Compliance Monitoring Requirements
S-11 - INTERNAL FLOATING ROOF TANK

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
CO	BAAQMD Condition #12677, part 3	Y		CO ≤ 95 tons in any consecutive 12 month period for all sources	BAAQMD Condition #12677, part 18	P/A	Records
NOx	BAAQMD Condition #12677, part 4	Y		NOx ≤ 95 tons in any consecutive 12 month period, nor 1923 pounds per day for all sources	BAAQMD Condition #12677, part 18	P/A	Records
SO2	BAAQMD Condition #12677, part 5	Y		SO2 ≤ 45.4 tons in any consecutive 12 month period, nor 7918 pounds per day for all sources	BAAQMD Condition #12677, part 18	P/A	Records
PM10	BAAQMD Condition # 12677, part 6	Y		PM10 ≤ 23 tons in any consecutive 12 month period, nor 281 pounds per day for all sources	BAAQMD Condition # 12677, part 18	P/A	Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - C
Applicable Limits and Compliance Monitoring Requirements
S-12, S-15, AND S-30 –
EXTERNAL FLOATING ROOF TANKS

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	BAAQMD 8-5-320.3.1	Y		Gasketed cover, seal or lid with gap \leq 0.32 cm (1/8 in)	BAAQMD 8-5-401.2, 8-5-404	P/twice/yr	Inspection Certification
	BAAQMD 8-5-320.4.2	Y		Well with cover, seal or lid with gap \leq 0.32 cm (1/8 in)	BAAQMD 8-5-401.2, 8-5-404	P/twice/yr	Inspection Certification
	BAAQMD 8-5-320.4.3	Y		Gap between well and roof \leq 1.3 cm (1/2 in)	BAAQMD 8-5-401.2, 8-5-404	P/twice/yr	Inspection Certification
	BAAQMD 8-5-320.5.2	Y		Well with cover gasket, a pole sleeve, pole wiper, and internal float with gap \leq 1.3 cm (1/2 in), or zero gap pole wiper seal	BAAQMD 8-5-401.2, 8-5-404	P/twice/yr	Inspection Certification
	BAAQMD 8-5-320.5.3	Y		Gap between well and roof \leq 1.3 cm (1/2 in)	BAAQMD 8-5-401.2, 8-5-404	P/twice/yr	Inspection Certification
POC	BAAQMD 8-5-321.3	Y		Primary seal metallic shoe extends a minimum 61 cm (24 in) above liquid surface	BAAQMD 8-5-401.1, 8-5-404	P/twice/yr P/twice/yr	Inspection Certification
POC	BAAQMD 8-5-321.3.1	Y		Gap between shoe and tank shell is no greater than 46 cm (18 in)	BAAQMD 8-5-401.1, 8-5-404	P/twice/yr P/twice/yr	Inspection Certification

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - C
Applicable Limits and Compliance Monitoring Requirements
S-12, S-15, AND S-30 –
EXTERNAL FLOATING ROOF TANKS

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	BAAQMD 8-5-321.3.2	Y		Gap between tank shell and the primary seal \leq 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 seal gaps exceeding 1.3 cm (1/2 in) shall be \leq 10% of circumference and the cumulative length of all seal gaps exceeding 0.32 cm (1/8 in) \leq 40% of circumference	BAAQMD 8-5-401.1, 8-5-404	P/twice/yr P/twice/yr	Inspection Certification
POC	BAAQMD 8-5-322.2	Y		Secondary seal shall allow insertion of probes up to 3.8 cm (1 1/2 in) in width	BAAQMD 8-5-401.1, 8-5-404	P/twice/yr P/twice/yr	Inspection Certification
POC	BAAQMD 8-5-322.3	Y		Gap between tank shell and the secondary seal shall not exceed 1.3 cm (1/2 in)	BAAQMD 8-5-401.1, 8-5-404	P/10 yr P/twice/yr	Inspection Certification
POC	BAAQMD 8-5-328.1.2	Y		Tank Cleaning $>$ 90% wt. emission control, POC concentration $<$ 10,000 ppm	BAAMD 8-5-502	P/A	Source test
POC	Subpart Kb 40 CFR 60.113b (b)(2)(ii)	Y		0.32 cm diameter uniform probes	40 CFR 60.113b(b) (1)(i)	P/5 yr, E/emptied and degassed	Inspection

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - C
Applicable Limits and Compliance Monitoring Requirements
S-12, S-15, AND S-30 –
EXTERNAL FLOATING ROOF TANKS

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	Subpart Kb 40 CFR 60.113b (b)(4)(i)	Y		Accumulated area of gaps between tank wall and mechanical shoe or liquid mounted primary seal < 212 cm ² per meter of tank diameter, width of any portion of gap < 3.81 cm	40 CFR 60.113b(b) (1)(i)	P/5 yr, E/emptied and degassed	Inspection
POC	Subpart Kb 40 CFR 60.113b(b) (4)(ii)(B)	Y		Accumulated area of gaps between tank wall and secondary seal < 21.2 cm ² per meter of tank diameter, width of any portion of gap < 1.27 cm	40 CFR 60.113b(b) (1)(i)	P/5 yr, E/emptied and degassed	Inspection
POC	BAAQMD Condition #6185, part 20	Y		POC concentration < 1% or 10,000 ppm	BAAQMD Condition #6185, part 22	C	Hydro- carbon concentra- tion monitor
POC	BAAQMD Condition #12677, part 1	Y		POC ≤ 73 tons in any consecutive 12 month period, nor 11644 pounds per day for all sources	BAAQMD Condition #12677, part 18	P/ A	Records
POC	BAAQMD Condition #12677, part 7	N		TVP ≤ 11.0 psia	BAAQMD Condition #12677, part 18	P/A	Records
POC	BAAQMD Condition #12677, part 11	Y		Maximum register deadweight ≤ 139,000 ton	BAAQMD Condition #12677, part 18	P/A	Records
CO	BAAQMD Condition #12677, part 3	Y		CO ≤ 95 tons in any consecutive 12 month period for all sources	BAAQMD Condition #12677, part 18	P/A	Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - C
Applicable Limits and Compliance Monitoring Requirements
S-12, S-15, AND S-30 –
EXTERNAL FLOATING ROOF TANKS

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
NOx	BAAQMD Condition #12677, part 4	Y		NOx \leq 95 tons in any consecutive 12 month period, nor 1923 pounds per day for all sources	BAAQMD Condition #12677, part 18	P/A	Records
SO2	BAAQMD Condition #12677, part 5	Y		SO2 \leq 45.4 tons in any consecutive 12 month period, nor 7918 pounds per day for all sources	BAAQMD Condition #12677, part 18	P/A	Records
PM10	BAAQMD Condition #12677, part 6	Y		PM10 \leq 23 tons in any consecutive 12 month period, nor 281 pounds per day for all sources	BAAQMD Condition #12677, part 18	P/A	Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - D
Applicable Limits and Compliance Monitoring Requirements
S-22 – GASOLINE LOADING RACKS

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	BAAQMD 8-6-301	Y		POC emission \leq 21 grams per cubic meter (0.17 lb/1000 gal) loaded	BAAQMD Condition #12677, part 8D	P/bi-annual	Source Test
POC	BAAQMD 8-6-304	Y		POC emission \leq 21 grams per cubic meter (0.17 lb/1000 gal) deliveries to storage tanks	BAAQMD Condition #12677, part 8D	P/bi-annual	Source Test
POC	BAAQMD 8-33-301	Y		POC Emission \leq 9.6 grams per cubic meter (0.08 lb/1000gal) loaded	BAAQMD Condition #12677, part 8D	P/bi-annual	Source test
POC	BAAQMD 8-33.309	Y		Tank gauge pressure \leq 46 cm (18 inch) of water column	N	N	
POC	Subpart R 40 CFR 63.422(b)	Y		TOC \leq 10 milligram per liter loaded	BAAQMD Condition #12677, part 8D	P/bi-annual	Source test
POC	Subpart XX 40 CFR 60.502(c)	Y		Emission \leq 80 milligram/liter	BAAQMD Condition #12677, part 8B	C	Combustible gas detector
POC	Subpart XX 40 CFR 60.502(h)	Y		Tank gauge pressure \leq 4,500 pascals (450 mm of water)	40CFR 60.503(d), 60.505(c)	P/M	Pressure measurement device
POC	BAAQMD Condition #12677 part, 1	Y		POC \leq 73 tons in any consecutive 12 month period, or \leq 11644 pounds per day for all sources	BAAQMD Condition #12677, part 18	P/A	Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - D
Applicable Limits and Compliance Monitoring Requirements
S-22 – GASOLINE LOADING RACKS

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	BAAQMD Condition #12677, part 8A	Y		POC \leq 0.08 lb/1000 gallon loaded	BAAQMD Condition #12677, part 8D	P/bi-annual	Source test
POC	BAAQMD Condition #12677 part, 8B	Y		Audible and visible alarm detector \leq 4% hydrocarbon	BAAQMD Condition #12677, part 8C	C	Combustible gas detector
POC	BAAQMD Condition #12677, part 8F	Y		Switching between carbon bed \leq 30 mins	BAAQMD Condition #12677, part 8F	P/ each switch	Records
CO	BAAQMD Condition # 12677, part 3	Y		CO \leq 95 tons in any consecutive 12 month period for all sources	BAAQMD Condition #12677, part 18	P/A	Records
NOx	BAAQMD Condition #12677, part 4	Y		NOx \leq 95 tons in any consecutive 12 month period, or \leq 1923 pounds per day for all sources	BAAQMD Condition #12677, part 18	P/A	Records
SO2	BAAQMD Condition #12677, part 5	Y		SO2 \leq 45.4 tons in any consecutive 12 month period, or \leq 7918 pounds per day for all sources	BAAQMD Condition #12677, part 18	P/A	Records
PM10	BAAQMD Condition #12677, part 6	Y		PM10 \leq 23 tons in any consecutive 12 month period, or \leq 281 pounds per day for a all sources	BAAQMD Condition #12677, part 18	P/A	Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - E
Applicable Limits and Compliance Monitoring Requirements
S-23 – OIL/WATER SEPARATOR
S-26 – WATER STORAGE POND

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	BAAQMD Condition #12677, part 1	Y		POC ≤ 73 tons in any consecutive 12 month period, nor 11644 pounds per day for all sources	BAAQMD Condition #12677, Part 18	P/A	Records

Table VII – F
Applicable Limits and Compliance Monitoring Requirements
S-24, AND S-25
EXTERNAL FLOATING ROOF TANKS

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	BAAQMD 8-5-320.3.1	Y		Gasketed cover, seal or lid with gap ≤ 0.32 cm (1/8 in)	BAAQMD 8-5-401.2, 8-5-404	P/twice/yr	Inspection Certification
	BAAQMD 8-5-320.4.2	Y		Well with cover, seal or lid with gap ≤ 0.32 cm (1/8 in)	BAAQMD 8-5-401.2, 8-5-404	P/twice/yr	Inspection Certification
	BAAQMD 8-5-320.4.3	Y		Gap between well and roof ≤ 1.3 cm (1/2 in)	BAAQMD 8-5-401.2, 8-5-404	P/twice/yr	Inspection Certification
	BAAQMD 8-5-320.5.2	Y		Well with cover gasket, a pole sleeve, pole wiper, and internal float with gap ≤ 1.3 cm (1/2 in), or zero gap pole wiper seal	BAAQMD 8-5-401.2, 8-5-404	P/twice/yr	Inspection Certification
	BAAQMD 8-5-320.5.3	Y		Gap between well and roof ≤ 1.3 cm (1/2 in)	BAAQMD 8-5-401.2, 8-5-404	P/twice/yr	Inspection Certification

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – F
Applicable Limits and Compliance Monitoring Requirements
S-24, AND S-25
EXTERNAL FLOATING ROOF TANKS

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	BAAQMD 8-5-321.3	Y		Primary seal metallic shoe extends a minimum 61 cm (24 in) above liquid surface	BAAQMD 8-5-401.1, 8-5-404	P/twice/yr P/twice/yr	Inspection Certification
POC	BAAQMD 8-5-321.3.1	Y		Gap between shoe and tank shell is no greater than 46 cm (18 in)	BAAQMD 8-5-401.1, 8-5-404	P/twice/yr P/twice/yr	Inspection Certification
POC	BAAQMD 8-5-321.3.2	Y		Gap between tank shell and the primary seal \leq 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 seal gaps exceeding 1.3 cm (1/2 in) shall be \leq 10% of circumference and the cumulative length of all seal gaps exceeding 0.32 cm (1/8 in) \leq 40% of circumference	BAAQMD 8-5-401.1, 8-5-404	P/twice/yr P/twice/yr	Inspection Certification
POC	BAAQMD 8-5-322.2	Y		Secondary seal shall allow insertion of probes up to 3.8 cm (1 1/2 in) in width	BAAQMD 8-5-401.1, 8-5-404	P/twice/yr P/twice/yr	Inspection Certification
POC	BAAQMD 8-5-322.3	Y		Gap between tank shell and the secondary seal shall not exceed 1.3 cm (1/2 in)	BAAQMD 8-5-401.1, 8-5-404	P/10 yr P/twice/yr	Inspection Certification
POC	BAAQMD 8-5-328.1.2	Y		Tank Cleaning \geq 90% wt. emission control, POC concentration $<$ 10,000 ppm	BAAMD 8-5-502	P/A	Source test
POC	Subpart Kb 40 CFR 60.113b (b)(2)(ii)	Y		0.32 cm diameter uniform probes	40 CFR 60.113b(b) (1)(i)	P/5 yr, E/emptied and degassed	Inspection

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – F
Applicable Limits and Compliance Monitoring Requirements
S-24, AND S-25
EXTERNAL FLOATING ROOF TANKS

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	Subpart Kb 40 CFR 60.113b (b)(4)(i)	Y		Accumulated area of gaps between tank wall and mechanical shoe or liquid mounted primary seal ≤ 212 cm ² per meter of tank diameter, width of any portion of gap ≤ 3.81 cm	40 CFR 60.113b(b) (1)(i)	P/5 yr, E/emptied and degassed	Inspection
POC	Subpart Kb 40 CFR 60.113b(b) (4)(ii)(B)	Y		Accumulated area of gaps between tank wall and secondary seal ≤ 21.2 cm ² per meter of tank diameter, width of any portion of gap ≤ 1.27 cm	40 CFR 60.113b(b) (1)(i)	P/5 yr, E/emptied and degassed	Inspection
POC	BAAQMD Condition #6185, part 20	Y		POC concentration < 1% or 10,000 ppm	BAAQMD Condition # 6185, part 22	C	Hydro- carbon concentra- tion monitor
POC	BAAQMD Condition # 12677, part 1	Y		POC ≤ 73 tons in any consecutive 12 month period, nor 11644 pounds per day for all sources	BAAQMD Condition # 12677, part 18	P/ A	Records
POC	BAAQMD Condition #12677, part 7	N		TVP ≤ 11.0 psia	BAAQMD Condition #12677, part 18	P/A	Records
POC	BAAQMD Condition #12677, part 11	Y		Maximum register deadweight $\leq 139,000$ ton	BAAQMD Condition #12677, part 18	P/A	Records
CO	BAAQMD Condition #12677, part 3	Y		CO ≤ 95 tons in any consecutive 12 month period for all sources	BAAQMD Condition #12677, part 18	P/A	Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – F
Applicable Limits and Compliance Monitoring Requirements
S-24, AND S-25
EXTERNAL FLOATING ROOF TANKS

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
NOx	BAAQMD Condition #12677, part 4	Y		NOx ≤ 95 tons in any consecutive 12 month period, nor 1923 pounds per day for all sources	BAAQMD Condition #12677, part 18	P/A	Records
SO2	BAAQMD Condition #12677, part 5	Y		SO2 ≤ 45.4 tons in any consecutive 12 month period, nor 7918 pounds per day for all sources	BAAQMD Condition #12677, part 18	P/A	Records
PM10	BAAQMD Condition #12677, part 6	Y		PM10 ≤ 23 tons in any consecutive 12 month period, nor 281 pounds per day for all sources	BAAQMD Condition #12677, part 18	P/A	Records

Table VII – G
Applicable Limits and Compliance Monitoring Requirements
S-27 – MARINE VESSEL LOADING/UNLOADING TERMINAL

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	BAAQMD 8-44-304	Y		POC Emission ≤ 5.7 grams per cubic meter (2 lb/1000 barrel) loaded, or emission controlled ≥ 95% wt.	BAAQMD Condition #6185, part 22	C	Hydrocarbon Concentration monitor
POC	SIP BAAQMD 8-44-301.1	Y		POC Emission ≤ 5.7 grams per cubic meter (2 lb/1000 barrel) loaded, or	BAAQMD Condition #6185, part 22	C	Hydrocarbon Concentration monitor

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – G
Applicable Limits and Compliance Monitoring Requirements
S-27 – MARINE VESSEL LOADING/UNLOADING TERMINAL

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	SIP BAAQMD 8-44.301.2	Y		Controlled \geq 95% weight	BAAQMD Condition #6185, part 22	C	Hydrocarbon Concentration monitor
POC	Subpart Y 40 CFR 63.562(b) (1)(iii)	Y		Vapor tight	40 CFR 63.563(a)(4)	P/A	Leak test
POC	Subpart Y 40 CFR 63.562(b) (2)	Y		MACT existing source, controlled \geq 97% weight	BAAQMD Condition #6185, part 22	C	Hydrocarbon Concentration monitor
POC	Subpart Y 40 CFR 63.562(c) (3)	Y		RACT combustion controlled \geq 98%, or recovery controlled \geq 95% weight, or	40 CFR 63.563(b)(6)(i) (A), 63.564(a)(3)	C	Hydrocarbon Concentration monitor
POC	Subpart Y 40 CFR 63.562(c) (4)	Y		VOC \leq 1000 ppmv	40 CFR 63.564(g)(1), BAAQMD Condition #6185, part 14	C	Combustible gas detector
POC	BAAQMD Condition #6185, part 1	Y		Switching time between carbon canister \leq 17 mins	BAAQMD Condition #6185, part 24	P/each switch	Records
POC	BAAQMD Condition # 6185 part, 4	Y		Total hydrocarbon carbon canister \leq 47.6 million barrels in any consecutive 12 month period	BAAQMD Condition #12677, part 18	P/A	Record
POC	BAAQMD Condition #6185, part 5	Y		Carbon units \leq 1 pound of POC per 1000 barrels per day	BAAQMD Condition #6185, part 22	C	Hydrocarbon Concentration monitor

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – G
Applicable Limits and Compliance Monitoring Requirements
S-27 – MARINE VESSEL LOADING/UNLOADING TERMINAL

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	BAAQMD Condition #6185, part 6	N		Benzene emissions \leq 0.15 pound per day	BAAQMD Condition #6185, part 7	P/bi-annual	Analysis
POC	BAAQMD Condition #6185, part 9	Y		POC Emissions \leq 40 ton per year	BAAQMD Condition #6185, part 22	P/D, P/A	Hydrocarbon Concentration monitor
POC	BAAQMD Condition #6185, part 25	Y		Pumping rate \leq 10,000 barrels per hour	BAAQMD Condition #6185, part 26	P/H	Records
POC	BAAQMD Condition #12677, part 2	Y		POC \leq 23.8 tons in any consecutive 12 month period	BAAQMD Condition #12677, part 18	P/A	Records
POC	BAAQMD Condition #12677, part 11	Y		Max registered deadweight \leq 139,000 ton	BAAQMD Condition #12677, part 18	P/A	Records
SO2	BAAQMD Condition #12677, part 12	Y		SO2 \leq 2000 ppmv	BAAQMD Regulation 9-1-303	P/A	Records
PM10	BAAQMD Condition #12677, part 6	Y		PM10 \leq 23 tons in any consecutive 12 month period, nor 281 pounds per day	BAAQMD Condition #12677, part 18	P/D, P/A	Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - H
Applicable Limits and Compliance Monitoring Requirements
S-32 TO S-44 - FIXED ROOF TANKS

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	BAAQMD 8-5-303.1	Y		PV valve set pressure within 10% of working pressure or at least 0.5 psig	BAAQMD 8-5-403	P/SA	Inspection
POC	BAAQMD 8-5-303.2	Y		gas tight (< 500 ppm) except when operating pressure exceeds the valve set pressure	BAAQMD 8-5-403	P/SA	Inspection
POC	BAAQMD 8-5-306	Y		Emission controlled \geq 95% weight	BAAQMD Condition # 6158, part 22, Section 3b	C	Hydrocarbon concentration monitor
POC	BAAQMD 8-5-328.1.2	Y		Tank cleaning \geq 90% wt. emission control, POC concentration < 10,000 ppm	BAAQMD Condition # 6158, part 22	P/E	Hydrocarbon concentration monitor
POC	Subpart Kb 40 CFR 60.112b (a)(3)(i)	Y		Closed vent < 500 ppm	BAAQMD Condition # 6158, part 22	C	Hydrocarbon concentration monitor
POC	Subpart Kb 40 CFR 60.112b (a)(3)(ii)	Y		Controlled \geq 95%	BAAQMD Condition # 6158, part 22	C	Hydrocarbon concentration monitor
POC	BAAQMD Condition #6185, part 1	Y		Switching time between carbon canister \leq 17 mins	BAAQMD Condition #6185, part 24	P/each switch	Records
POC	BAAQMD Condition #6185, part 2	Y		Hydrocarbon liquid loaded \leq 18.8 million barrels in any consecutive 12 month period	BAAQMD Condition #12677, part 18	P/A	Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - H
Applicable Limits and Compliance Monitoring Requirements
S-32 TO S-44 - FIXED ROOF TANKS

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	BAAQMD Condition #6185, part 3	Y		Hydrocarbon liquid loaded \leq 250,000 barrels per day	BAAQMD Condition #6185, part 3	P/D	Records
POC	BAAQMD Condition #6185, part 5	Y		Carbon units \leq 1 pound of POC per 1000 barrels per day	BAAQMD Condition #6185, part 14	C	Combustible gas detector
POC	BAAQMD Condition #6185, part 6	N		Benzene emissions \leq 0.15 pound per day	BAAQMD Condition #6185, part 7	C	Hydrocarbon Concentration monitor
POC	BAAQMD Condition #6185, part 7	N		Benzene concentration \leq 2 % weight	BAAQMD Condition #6185, part 7	Semi-annual	Analysis
POC	BAAQMD Condition #6185, part 9	Y		POC Emissions \leq 40 ton per year for S-27, S-32 through S-45	BAAQMD Condition # 6158, part 22	P/D and A	Records
POC	BAAQMD Condition #6185, part 11	Y		Valves and Flanges comply with Regulation 8-18	BAAQMD 8-18-401	P/Q	Inspection
POC	BAAQMD Condition #6185, part 16	Y		Tank degassing \leq 6 in any consecutive 12 month periods	BAAQMD Condition #6185, part 24	P/E	Records
POC	BAAQMD Condition #6185, part 20	Y		POC concentration $<$ 1% or 10,000 ppm	BAAQMD Condition #6185, part 22	C	Hydrocarbon Concentration monitor

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - H
Applicable Limits and Compliance Monitoring Requirements
S-32 TO S-44 - FIXED ROOF TANKS

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	BAAQMD Condition #12677, part 1	Y		POC \leq 73 tons in any consecutive 12 month period, nor \leq 11644 pounds per day for all sources	BAAQMD Condition #12677, part 18	P/A	Records
POC	BAAQMD Condition #12677, part 9	Y		Pumps, Compressors, Valves and Flanges subject to Regulation 8-18	BAAQMD 8-18-401	P/Q	Inspection
POC	BAAQMD Condition #12677, part 11	Y		Maximum register deadweight \leq 139,000 ton	BAAQMD Condition #12677, part 18	P/A	Records

Table VII – I
Applicable Limits and Compliance Monitoring Requirements
COMPONENTS

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	BAAQMD Regulation 8-18-301	Y		General equipment leak \leq 100 ppm	BAAQMD Regulation 8-18-401.2	P/Q	Inspection
POC	BAAQMD Regulation 8-18-302	Y		Valve leak \leq 100 ppm	BAAQMD Regulation 8-18-401.2	P/Q	Inspection
POC	BAAQMD Regulation 8-18-303	Y		Pump and compressor leak \leq 500 ppm	BAAQMD Regulation 8-18-401.2	P/Q	Inspection

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – I
Applicable Limits and Compliance Monitoring Requirements
COMPONENTS

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	BAAQMD Regulation 8-18-304	Y		Connection leak \leq 100 ppm	BAAQMD Regulation 8-18-401.2e	P/Q	Inspection
POC	BAAQMD Regulation 8-18-305	Y		Pressure relief valve leak \leq 500 ppm	BAAQMD Regulation 8-18-401.2	P/Q	Inspection
POC	BAAQMD Regulation 8-18-306.1	Y		Valve, pressure relief, pump or compressor must be repaired within 5 years or at the next scheduled turnaround	None	N	
POC	BAAQMD Regulation 8-18-306.2	Y		Awaiting repair Valves \leq 0.5% Pressure Relief \leq 1% Pump and Connector \leq 1%	BAAQMD Regulation 8-18-401.5	P/24 hours	Inspection
POC	BAAQMD Regulation 8-18-306.3.2	Y		Mass emissions & non-repairable equipment allowed Valve \leq 0.1 lb/day & \leq 1.0% Pressure Relief \leq 0.2 lb/day & \leq 5% Pump and Connector \leq 0.2 lb/day & \leq 5%	BAAQMD Regulation 8-18-401.3	P/D	Inspection
POC	BAAQMD Regulation 8-18-306.3.3	Y		Total valve, pressure relief, pump or compressor leaks \geq 15 lb/day, they must be repaired within 7 days	None	N	
POC	SIP BAAQMD Regulation 8-18-302	Y		Valve leak \leq 100 ppm	SIP BAAQMD Regulation 8-18-401.3	P/Q	Inspection

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – I
Applicable Limits and Compliance Monitoring Requirements
COMPONENTS

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	SIP BAAQMD Regulation 8-18-303	Y		Connector leak \leq 100 ppm	SIP BAAQMD Regulation 8- 18-401.3	P/Q	Inspection
POC	SIP BAAQMD Regulation 8-18-304.1	Y		Valve prepared within 5 years or next scheduled turnaround	SIP BAAQMD Regulation 8- 18-401.3	P/Q	Inspection
POC	SIP BAAQMD Regulation 8-18-304.2	Y		Awaiting repaired valves \leq 0.5%	SIP BAAQMD Regulation 8- 18-401.6	P/24 hours	Inspection
POC	SIP BAAQMD Regulation 8-18-305	Y		New or replaced valve leak \leq 100 ppm for 4 consecutive quarters	SIP BAAQMD Regulation 8- 18-401.3	P/Q	Inspection
POC	SIP BAAQMD Regulation 8-18-306	Y		Repeat valve , connector leak must meet SIP BAAQMD Regulation 8-18-304 & 8-18-305	SIP BAAQMD Regulation 8-18-401.3	P/Q	Inspection
POC	SIP BAAQMD Regulation 8-25-302	Y		Pump leak \leq 500 ppm	SIP BAAQMD Regulation 8-25-401.2 & Regulation 8-25-403	P/Q P/D	Measure leaks Visual Inspection
POC	SIP BAAQMD Regulation 8-25-303	Y		Compressor leak \leq 100 ppm	SIP BAAQMD Regulation 8-25-401.2 & Regulation 8-25-403	P/Q P/D	Measure leaks Visual Inspection

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – I
Applicable Limits and Compliance Monitoring Requirements
COMPONENTS

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	SIP BAAQMD Regulation 8-25-304.1	Y		Pump or compressor prepared within 5 years or next scheduled turnaround	SIP BAAQMD Regulation 8-25-401.1 & Regulation 8-25-402	P/7 days	Measure leaks Inspection Plan
POC	SIP BAAQMD Regulation 8-25-304.2	Y		Awaiting repaired valves \leq 1.0%	SIP BAAQMD Regulation 8-25-401.1 & Regulation 8-25-402	P/7 days	Measure leaks Inspection Plan
POC	SIP BAAQMD Regulation 8-25-305	Y		New or replaced pump and compressor leak \leq 500 ppm for 4 consecutive quarters	SIP BAAQMD Regulation 8-25-401.2 & Regulation 8-25-403	P/Q P/D	Measure leaks Visual Inspection
POC	SIP BAAQMD Regulation 8-25-306	Y		Repeat pump , compressor leak must meet SIP BAAQMD Regulation 8-25-304 & 8-25-305	SIP BAAQMD Regulation 8-25-401.2 & Regulation 8-25-403	P/Q P/D	Measure leaks Visual Inspection
POC	BAAQMD Condition #6185, part 10	Y		Pumps comply with Regulation 8-18	BAAQMD 8-18-401	P/Q	Inspection
POC	BAAQMD Condition #6185, part 11	Y		Valves and Flanges comply with Regulation 8-18	BAAQMD 8-18-401	P/Q	Inspection

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – I
Applicable Limits and Compliance Monitoring Requirements
COMPONENTS

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	BAAQMD Condition #12677, part 9	Y		Pumps, Compressors, Valves and Flanges subject to Regulation 8-18	BAAQMD 8-18-401	P/Q	Inspection

Table VII – J
Applicable Limits and Compliance Monitoring Requirements
S-46 EMERGENCY DIESEL GENERATOR

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
FP	BAAQMD Regulation 6-303.1	Y		Ringelmann 2.0	BAAQMD Regulation 6-401	C	Visible Inspection
FP	BAAQMD Regulation 6-310.1	Y		0.15 gr/dscf	None	N	N/A
SO ₂	BAAQMD Regulation 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	N/A
SO ₂	BAAQMD Regulation 9-1-304	Y		Fuel Sulfur Limit 0.5%	None	P/M	Vendor Certification
Operating time	BAAQMD Condition #19215, Part 1	Y		50 hours per year	BAAQMD Condition #19215, Part 4	P/D	Records

VIII. TEST METHODS

The test methods associated with the emission limit of a District regulation are generally found in Section 600 of the regulation. The following table indicates only the test methods associated with the emission limits included 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 Regulation 6-301	Ringelmann No. 1 Limitation	Manual of Procedures, Volume I, Evaluation of Visible Emissions
BAAQMD Regulation 8-5-304	True Vapor Pressure	Manual of Procedures, Volume III, Lab Method 28, Determination of Vapor Pressure of Organic Liquids from Storage Tanks, if organic compound is not listed in Table I
BAAQMD Regulation 8-5-311.3	VOC emissions	Manual of Procedures, Volume IV, ST-34, Bulk Gasoline Distribution Facilities Edwards Refrigeration Unit or Carbon Adsorption Unit
BAAQMD Regulation 8-5-328.2	VOC emissions for tank cleaning	Manual of Procedures, Volume IV, ST-7, Non-Methane Organic Carbon Sampling
BAAQMD Regulation 8-5-320.3	Pressure vacuum leak concentration	EPA reference method 21 (40 CFR 60, Appendix A), Determination of Volatile Organic Compound Leaks
BAAQMD Regulation 8-6-301, 304	Efficiency and rate determination	Manual of Procedures, Volume IV, ST-34, Bulk Gasoline Distribution Facilities Edwards Refrigeration Unit or Carbon Adsorption Unit
BAAQMD Regulation 8-6-110	Analysis of samples, true vapor pressure	Manual of Procedures, Volume III, Method 28, Determination of Vapor Pressure of Organic Liquids from Storage Tanks.
BAAQMD Regulation 8-8-301, 302	Vapor tight cover	EPA reference method 21 (40 CFR 60, Appendix A), Determination of Volatile Organic Compound Leaks
BAAQMD Regulation 8-18-302, 8-18-303	Leak inspection procedures	EPA reference method 21 (40 CFR 60, Appendix A), Determination of Volatile Organic Compound Leaks

VIII. Test Methods

**Table VIII
 Test Methods**

Applicable Requirement	Description of Requirement	Acceptable Test Methods
BAAQMD Regulation 8-18-306	Determination of mass emissions	EPA Protocol for equipment leak emission estimates, Chapter 4, Mass Emission Sampling, (EPAA-453/R-95-017) November 1995
BAAQMD Regulation 8-25-301-303	Leak inspection procedures	EPA reference method 21 (40 CFR 60, Appendix A), Determination of Volatile Organic Compound Leaks
BAAQMD Regulation 8-33-203	Analysis of samples	Manual of Procedures, Volume III, Method 13, Determination of the Reid Vapor Pressure of Petroleum Products
BAAQMD Regulation 8-33-301	Emission rate determination	Manual of Procedures, Volume IV, ST-34, Bulk Gasoline Distribution Facilities Edwards Refrigeration Unit or Carbon Adsorption Unit
BAAQMD Regulation 8-33-305	Vapor tight – delivery vehicles	Manual of Procedures, Volume IV, ST-33, Ethanol, Integrated Sampling
BAAQMD Regulation 8-33-309	Vapor recovery system – loading racks	Manual of Procedures, Volume IV, ST-34, Bulk Gasoline Distribution Facilities Edwards Refrigeration Unit or Carbon Adsorption Unit
BAAQMD Regulation 8-44-304.1	Determination of emission factors and emission control equipment efficiencies	Manual of Procedures, Volume IV, ST-34, Bulk Gasoline Distribution Facilities Edwards Refrigeration Unit or Carbon Adsorption Unit; or EPA Method 25, Determination of total gaseous nonmethane organic emissions as carbon; or EPA Method 25A, Determination of total gaseous organic using flame ionization analyzer; or alternate method approved in writing by the APCO and EPA.
BAAQMD Regulation 8-44-305.1 or 305.2	Leak Determinations	EPA Method 21 (40 CFR 60, Appendix A), Determination of Volatile Organic Compound Leaks; or alternate method approved in writing to APCO and EPA.
SIP BAAQMD Regulation 8-44-301.1	Determination of emissions	Manual of Procedures, Volume IV, ST-34, Bulk Gasoline Distribution Facilities Edwards Refrigeration Unit or Carbon Adsorption Unit
SIP BAAQMD Regulation 8-44-301.2	Efficiency and mass emission determination	Manual of Procedures, Volume IV, ST-34, Bulk Gasoline Distribution Facilities Edwards Refrigeration Unit or Carbon Adsorption Unit

VIII. Test Methods

**Table VIII
 Test Methods**

Applicable Requirement	Description of Requirement	Acceptable Test Methods
SIP BAAQMD Regulation 8-44-303	Leak test and gas tight determination	EPA reference method 21, Determination of Volatile Organic Compound Leaks
Subpart Kb 40 CFR 60.112b	Vapor Pressure	ASTM Method D2879-83
Subpart Kb 40 CFR 60.112b(a)(3)	Visual inspection	60 Subpart VV, 60.485(b)
Subpart XX 40 CFR 60.502(b)(c), 60.502(h)	Monitor for leakage	EPA reference method 21, Appendix A, 40 CFR part 60, Determination of Volatile Organic Compound Leaks
Subpart XX 40 CFR 60.502(h)	Delivery tank pressure	EPA reference method 27, Determination of vapor tightness of gasoline delivery tanks using pressures vacuum test
Subpart R 40 CFR 63.422(b), or 60.112(a)(3)(ii)	Emission standard	40 CFR 60.503
Subpart R 40 CFR 63.422(c)(1), 63.422(2)	Annual certificate test for cargo tank (internal vapor valve)	Method 27, Determination of vapor tightness of gasoline delivery tanks using pressures vacuum test; and Subpart R, 63.425(e)(1), (2)
Subpart R 40 CFR 63.422(c)(1), 63.422(2)(ii)	Leak detection test	Method 21, Determination of Volatile Organic Compound Leaks; and Subpart R, 63.425(f)(1), (2)
Subpart R 40 CFR 63.422(c)(1), 63.422(2)(ii)	Nitrogen pressure decay test	Subpart R, 63.425(g)(1), (2), (3), (4), (5)

VIII. Test Methods

Table VIII
Test Methods

Applicable Requirement	Description of Requirement	Acceptable Test Methods
Subpart R 40 CFR 63.422(c)(1), 63.422(2)(ii)	Continues performance pressure decay test	Method 27, Determination of vapor tightness of gasoline delivery tanks using pressures vacuum test, and Subpart R, 63.425(h)
Subpart Y 40 CFR 63.563(a)(3)	Pressure/vacuum settings of marine tank vessel's vapor system	Subpart Y, 63.565(b)(1),(2),(3)
Subpart Y 40 CFR 63.562(b)(1) (iii)	Vapor tightness test	Subpart Y, 63.565(c)(1),(2)
Subpart Y 40 CFR 63.562(b)(2), 63.562(3), 63.562(4); and 63.562(c)(3), 63.562(4)	Combustion and recovery test	Subpart Y, 63.565(d)(1) through (10)

IX. PERMIT SHIELD

Not applicable.

X. REVISION HISTORY

Initial Issuance (Application #25866):

March 12, 2001

Minor revision (Application # 11862, NSR, App. # 11862): December 29, 2005

- Condition # 6184, Part 3 is changed to increase the liquid loading into storage tanks S-32 through S-44 from 145,000 barrels per day to 250,000 barrels per day under District's new source review application # 11861.
- Condition # 6184, Part 9, the statement "150 lb/day, nor shall the Cumulative Increase from this facility exceed" is deleted to be consistent with the change from Part 3 under District's new source review application # 11861.
- Modified Tables IV-A, B, C, F, I, and Tables VII-A, B, C, F, and H that were associated with the amended Regulation 8-5 - Storage of Organic Liquids, which was adopted on 11/27/02.
- Remove the SIP requirements of Regulation 8-5 in Tables IV-A, B, C, F, I, and Tables VII-A, B, C, F, H because the current rule was adopted into SIP in June 5, 2003.
- The definition of NO₂ - Nitrogen Dioxide was added to the glossary.

Renewal Title V Permit (Application # 13149):

, 2007

- Change of plant address
- Change of responsible official
- The company has new numbers for some of the tanks.
- The diesel emergency generator (S-46) will be added to the equipment list due to loss of exemption.
- Source S-45 storage tank was shut down and will be removed from the equipment list.
- Abatement A-423, Thermal Oxidizer Vapor Combustion Unit) was for tank degassing operation and removed from the site; therefore, it will be removed from the equipment list.
- The new provisions of Regulation 8-44 Marine Tank Vessel Operations will be added since this Regulation was revised and adopted into the District Rules and Regulations on December 7, 2005.
- The Compliance Assurance Monitoring requirements will be added to fixed roof storage tanks (S-32 through S-44), marine vessel loading (S-27) and gasoline loading

VIII. Test Methods

- racks (S-22).
- The monthly marine vessel activity report will be modified to quarterly to reduce the amount of paper works without having any significant environmental impact.
 - The vapor pressure of products stored in storage tanks will be changed from 8.3 psia to 11.0 psia.
 - All reference to unsegregated ballast will be removed because the U.S. Coast Guard does not allow unsegregated ballasting ship to enter the San Francisco bay anymore.
 - S-27, Marine Vessel Loading will be changed from 3 fillers to 2 fillers.
 - Condition 12677, Part 7, the vapor pressure of products stored in storage tanks will be changed from 8.3 psia to 11.0 psia.
 - Condition 12677, Part 19, the marine vessel activity reporting will be modified from monthly to quarterly.
 - The requirements of Regulation 8-5-322.5 and 322.6 will be added to Table IV-A because the company replaced the secondary seals for Tanks S-1 through S-6, S-12, S-15, S-24, S-24 and S-30 in March 10, 2003.
 - The requirements of Regulation 8-6 – Organic Liquid Bulk Terminals and Bulk Plants will be added to Table IV-D, Table VII-D, and Table VIII-Test Method to reflect the loading operation of organic materials other than gasoline.
 - Condition 6185, Part 14 deleted the requirement of two hydrocarbon analyzers at each carbon system on Table IV-I.
 - To clarify hydrocarbon liquids in Parts 2, 3, 4, and 7, the definition of “non-exempt organic compound” will be added to Condition 6185 as defined in Regulation 2-1-123.
 - Other condition clarifications as listed in Section VI of the SOB.

XI. GLOSSARY

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

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), and also including limitations and conditions contained in operating permits issued under an EPA-approved program that has been incorporated into the SIP.

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 both 40 CFR Part 63, and District Regulation 2, Rule 5.

Major Facility

A facility with potential emissions of regulated air pollutants greater than or equal to 100 tons per year, greater than or equal to 10 tons per year of any single hazardous air pollutant, and/or greater than or equal to 25 tons per year of any combination of hazardous air pollutants, or such lesser quantity 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 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. Contained in 40 CFR Part 63.

NMHC

Non-methane Hydrocarbons

NO₂

Nitrogen Dioxide.

NO_x

Oxides of nitrogen.

NSPS

Standards of Performance for New Stationary Sources. Federal standards for emissions from new stationary sources. Mandated by Title I, Section 111 of the Act, and implemented by both 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 air pollutants for which the District is classified "non-attainment". Mandated by Title I of the Clean Air Act and implemented by 40 CFR Parts 51 and 52 as well as 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 at a specified ratio for the emissions from a new or modified source and any pre-existing

cumulative increase minus any onsite contemporaneous emission reduction credits. 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 by virtue of certain other characteristics (defined in Regulation 2, Rule 6) is subject to Titles IV and V of the Clean Air Act.

POC

Precursor Organic Compounds

PM

Total 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 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

Title V

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

TSP

Total Suspended Particulate

VESSEL CALLING

Communication between vessel to vessel, or vessel to harbor authority for notification of distance or position of the vessel.

VOC

Volatile Organic Compounds

Units of Measure:

bhp	=	brake-horsepower
btu	=	British Thermal Unit
g	=	grams
gal	=	gallon
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