Bay Area Air Quality Management District

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

Final

MAJOR FACILITY REVIEW PERMIT

Issued To:

Pacific Atlantic Terminals, LLC
Facility #A7034

Facility Address:
2801 Waterfront Road
Martinez, CA 94553

Mailing Address:
2801 Waterfront Road
Martinez, CA 94553

Responsible Official	**Facility Contact**
Troy E. Valenzuela	Walter Eckhoff
Vice President, Environmental, Health & Safety	Terminal Manager
(713) 646-4614	(925) 228-3227

Type of Facility:	Marine Terminal	BAAQMD Permit Division Contact:
Primary SIC:	4226	Xuna Cai
Product:	Receiving, Storing and Shipping of Petroleum products	

ISSUED BY THE BAY AREA AIR QUALITY MANAGEMENT DISTRICT

Signed by Jeff McKay for Jack P. Broadbent _October 6, 2008_____
Jack P. Broadbent, Executive Officer/Air Pollution Control Officer Date

TABLE OF CONTENTS

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 7/17/06);
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 7/17/06);
SIP Regulation 2, Rule 1 - Permits, General Requirements
(as approved by EPA through 1/26/99);
BAAQMD Regulation 2, Rule 2 - Permits, New Source Review
(as amended by the District Board on 6/15/05);
SIP Regulation 2, Rule 2 - Permits, New Source Review and Prevention of Significant Deterioration
(as approved by EPA through 1/26/99);
BAAQMD Regulation 2, Rule 4 - Permits, Emissions Banking
(as amended by the District Board on 12/21/04);
SIP Regulation 2, Rule 4 - Permits, Emissions Banking
(as approved by EPA through 1/26/99); and
BAAQMD Regulation 2, Rule 6 - Permits, Major Facility Review
(as amended by the District Board on 4/16/03).

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

1. This Major Facility Review Permit was issued on April 23, 2007, with an expiration date of April 22, 2012. The permit holder shall submit a complete application for renewal of this Major Facility Review Permit no later than November 22, 2012 and by no earlier than April 22, 2011. **If a complete application for renewal has not been submitted in accordance with this deadline, the facility may not operate after April 22, 2012**. If the permit renewal has not been issued by April 22, 2012, but a complete application for renewal has been submitted in accordance with the above deadlines, the existing permit will continue in force until the District takes final action on the renewal application. (Regulation 2-6-307, 404.2, 407, & 409.6; MOP Volume II, Part 3, §4.2)
2. The permit holder shall comply with all conditions of this permit. The permit consists of this document and all appendices. Any non-compliance with the terms and conditions of this permit will constitute a violation of the law and will be grounds for enforcement action; permit termination, revocation and re-issuance, or modification; or denial of a permit renewal application. (Regulation 2-6-307; MOP Volume II, Part 3, §4.11)
3. In the event any enforcement action is brought as a result of a violation of any term or condition of this permit, the fact that it would have been necessary for the permittee to halt or reduce the permitted activity in order to maintain compliance with such term or condition shall not be a defense to such enforcement action. (MOP

I. Standard Conditions

Volume II, Part 3, §4.11)

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

Director of the Air Division

I. Standard Conditions

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

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

H. Emergency Provisions

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

I. Severability

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

J. Miscellaneous Conditions

1. The maximum capacity for each source as shown in Table II-A is the maximum allowable capacity. Exceedence 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	Tank 8101 (T-1)	Fixed Roof Tank		3,360,000 gallons
2	Tank 8102 (T-2)	Fixed Roof Tank		3,360,000 gallons
3	Tank 5003 (T-3)	Fixed Roof Tank		2,310,000 gallons
4	Tank 5004 (T-4)	Fixed Roof Tank		2,310,000 gallons
5	Tank 5005 (T-5)	Fixed Roof Tank		2,310,000 gallons
6	Tank 5006 (T-6)	Fixed Roof Tank		2,310,000 gallons
7	Tank 5007 (T-7)	Fixed Roof Tank		2,310,000 gallons
8	Tank 2008 (T-8)	Fixed Roof Tank		840,000 gallons
9	Tank 1109 (T-9)	Fixed Roof Tank		420,000 gallons
10	Tank 310 (T-10)	Fixed Roof Tank		126,000 gallons
11	Tank T-11 (slop)	Fixed Roof Tank		7,000 gallons
12	Tank T-12	Fixed Roof Tank		25,000 gallons
13	Tank 50113 (T-13)	External Floating Roof Tank		21,000,000 gallons
14	Tank 50114 (T-14)	External Floating Roof Tank		21,000,000 gallons
15	Tank 50115 (T-15)	External Floating Roof Tank		21,000,000 gallons
16	Tank 50116 (T-16)	External Floating Roof Tank		21,000,000 gallons
18	Tank T-34	Fixed Roof Tank		12,000 gallons
19	Tank T-35	Fixed Roof Tank		12,000 gallons
20	Removed from Service			
21	Marine Vessel Wharf	Marine		3 Gasoline Fillers
23	Oily Water Separator – Black System	Oil Water Separator	Custom	23 gal/hr
24	Oily Water Separator – Clean System		Custom	0.5 gal/hr
27	Storage Tank 170-39 (T-39)	Fixed Roof Tank		7,350,000 gallons
28	Storage Tank 170-40 (T-40)	Fixed Roof Tank		7,350,000 gallons
73	Direct Fired Heater (natural gas)			25 MMBtu/hr
74	Emergency Diesel Generator	IC Engine	Cummins 210-IF	1.2 MMBtu/hr, 157 HP
75	Emergency Diesel Generator	IC Engine	Cummins 280-IF	1.2 MMBtu/hr, 145 HP

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
76	Storage Tank # 110-38 (11041)	Internal Floating Roof		4,200,000 gallons
77	Storage Tank # 100-45 (11042)	Internal Floating Roof		4,200,000 gallons
78	Storage Tank # 110-44 (11043)	Internal Floating Roof		4,200,000 gallons
79	Storage Tank # 200-43	Internal Floating Roof		8,400,000 gallons
80	Storage Tank # 200-42	Internal Floating Roof		8,400,000 gallons
81	Storage Tank # 150-51	Internal Floating Roof		6,300,000 gallons
82	Storage Tank # 150-52	Internal Floating Roof		6,300,000 gallons
83	Storage Tank # 150-53	Internal Floating Roof		6,300,000 gallons
84	Storage Tank # 150-54	Internal Floating Roof		6,300,000 gallons
85	Storage Tank # 150-55	Internal Floating Roof		6,300,000 gallons
86	Storage Tank # 150-41	Internal Floating Roof		6,300,000 gallons
87	Storage Tank # 100-37	Internal Floating Roof		4,200,000 gallons
88	Storage Tank # 100-56	Internal Floating Roof		4,200,000 gallons
89	Storage Tank # 100-57	Internal Floating Roof		4,200,000 gallons
90	Storage Tank # 100-58	Internal Floating Roof		4,200,000 gallons

Note: Pacific Atlantic Terminals renamed some of the tank's numbers, but wished to keep the old numbers listed in parenthesis.

Table II B – Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
A-1	Thermal Oxidizer, Natural Gas, (235 MMBtu/hr)	S-1 through S-12, S-18, S-19, S-21, S-27, S-28	BAAQMD Condition # 1253 Part III, schedule D	Annual source testing, and continuous temperature monitor	POC = 1.44 lb/1000 barrel NOx = 9.68 lb/day plus 0.177 lb/1000 barrel; Temp. $\geq$ 1400^{o}F

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 (or disapproved) 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 12/21/04)	Y
SIP Regulation 2-1-429	Federal Emissions Statement (6/15/94)	Y
SIP Regulation 2, Rule 1	General Requirements (1/26/99)	Y
BAAQMD Regulation 2, Rule 5	New Source Review of Toxic Air Contaminants (6/15/05)	N

III. Generally Applicable Requirements

Table III
Generally Applicable Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)
BAAQMD Regulation 4	Air Pollution Episode Plan (3/20/91)	N
SIP Regulation 4	Air Pollution Episode Plan (8/06/90)	Y
BAAQMD Regulation 5	Open Burning (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)	Y
BAAQMD Regulation 8, Rule 3	Organic Compounds – Architectural Coatings (11/21/01)	Y
BAAQMD Regulation 8, Rule 4	Organic compounds – General Solvent and Surface Coating Operations (10/16/02)	Y
BAAQMD Regulation 8, Rule 15	Organic Compounds – Emulsified and Liquid Asphalts (6/1/94)	Y
BAAQMD Regulation 8, Rule 18	Organic Compounds – Equipment Leaks (9/15/04)	N
SIP Regulation 8, Rule 18	Organic Compounds – Equipment Leaks (6/5/03)	Y
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)	Y
BAAQMD Regulation 8, Rule 47	Organic Compounds - Air Stripping and Soil Vapor Extraction Operations (6/15/05)	Y
BAAQMD Regulation 8, Rule 49	Organic Compounds – Aerosol Paint Products (12/20/95)	N
SIP Regulation 8, Rule 49	Organic Compounds – Aerosol Paint Products (3/22/95)	Y
BAAQMD Regulation 8, Rule 51	Organic Compounds – Adhesive and Sealant Products (7/17/02)	N
SIP Regulation 8, Rule 51	Organic Compounds - Adhesive and Sealant Products (2/26/02)	Y
BAAQMD Regulation 9, Rule 1	Inorganic Gaseous Pollutants - Sulfur Dioxide (3/15/95)	N
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

III. Generally Applicable Requirements

Table III
Generally Applicable Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)
SIP Regulation 12, Rule 4	Miscellaneous Standards of Performance - Sandblasting (9/2/81)	Y
California Health and Safety Code Section 41750 et seq.	Portable Equipment	N
California Health and Safety Code Section 44300 et seq.	Air Toxics "Hot Spots" Information and Assessment Act of 1987	N
California Health and Safety Code Title 17, Section 93115	Airborne Toxic Control Measure for Stationary Compression Ignition Engines	N
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.

Table IV – A
Source-specific Applicable Requirements
S-1 THROUGH S-10 - 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	
8-5-303	Requirements for Pressure Vacuum Valves	Y	
8-5-306	Requirements for Approved Emission Control System	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	

III. Generally Applicable Requirements

Table IV – A
Source-specific Applicable Requirements
S-1 THROUGH S-10 - FIXED ROOF TANKS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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 K	**Standards of Performance for Volatile Organic Liquid Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced After June 11, 1973, and Prior to May 19, 1978**	Y	
60.110(c)(2)	Affected tanks that are greater than or equal to 65,000 gallons	Y	
60.112(a)(1)	Vapor pressure is equal to or greater than 1.5 psia shall be equipped with a vapor recovery system, or their equivalent	Y	
60.112(a)(2)	Vapor pressure is equal to or greater than 11.1 psia shall be equipped with a vapor recovery system, or their equivalent	Y	
60.113	Monitor of operations	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	

III. Generally Applicable Requirements

Table IV – A
Source-specific Applicable Requirements
S-1 THROUGH S-10 - FIXED ROOF TANKS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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	
NESHAPS Part 63 Subpart R	**National Emission Standards for Gasoline Distribution Facilities (Bulk Gasoline Terminals and Pipeline Breakout Stations)**	Y	
63.420(a)(1)	Affected terminal	Y	
63.420(b)(1)	Affected pipeline breakout station	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)	*Rules Stayed for Reconsideration*	Y	
63.423	Standards: Storage vessels		
63.423(a)	Requirements	Y	
63.423(c)	December 15, 1997 deadline	Y	
63.425	Test methods and procedures	Y	
63.425(a)	Performance test on the vapor processing system	Y	
63.425(b)	Operating parameter		
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)(3)	Continuous parameter monitoring system (CPMS), Temperature	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 yr recordkeeping	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	

III. Generally Applicable Requirements

Table IV – A
Source-specific Applicable Requirements
S-1 THROUGH S-10 - FIXED ROOF TANKS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.428(c)(2)(i)	Determining the operating parameter value	Y	
63.428(d)	Keep records and furnish reports	Y	
63.428(e)	Work practice program recordkeeping	Y	
63.428(h)	Submit an excess emissions report to the administrator	Y	
63.428(h)(1)	Each exceedence 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	
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	

III. Generally Applicable Requirements

Table IV – A
Source-specific Applicable Requirements
S-1 THROUGH S-10 - FIXED ROOF TANKS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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 exceedences	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 # 1253	**Permit Conditions**		
Part IB	Total facility organic compound emissions shall not exceed 94.811 tpy [Basis: Cumulative Increase]	Y	
Part IID	Sources S-1 through S-10 shall be abated by A-1 Thermal oxidizer. [Basis: Cumulative Increase]	Y	
Part IIID, Schedule D	Organic emission shall not exceed 1.44 lb/1000 barrels for Vapor Control Equipment/Vapor Recovery System Emissions [Basis: Cumulative Increase]	Y	

III. Generally Applicable Requirements

Table IV – B
Source-specific Applicable Requirements
S-11 - FIXED 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	
8-5-302	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 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	

III. Generally Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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 exceedences	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 # 1253	**Permit Conditions**		
Part IB	Total facility organic compound emissions shall not exceed 94.811 tpy [Basis: Cumulative Increase]	Y	
Part IID	Source S-11 shall be abated by A-1, thermal oxidizer. [Basis: Cumulative Increase]	Y	

III. Generally Applicable Requirements

Table IV – C
Source-specific Applicable Requirements
S-12, S-18, AND S-19 - 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 (11/2702)**		
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	
8-5-306	Requirements for Approved Emission Control System	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 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	

III. Generally Applicable Requirements

Table IV – C
Source-specific Applicable Requirements
S-12, S-18, AND S-19 - FIXED ROOF TANKS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
NESHAPS Part 63 Subpart R	**National Emission Standards for Gasoline Distribution Facilities (Bulk Gasoline Terminals and Pipeline Breakout Stations)**	Y	
63.420(a)(1)	Affected terminal	Y	
63.420(b)(1)	Affected pipeline breakout station	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)	*Rules Stayed for Reconsideration*	Y	
63.423	Standards: Storage vessels		
63.423(a)	Requirements	Y	
63.423(c)	December 15, 1997 deadline	Y	
63.425	Test methods and procedures	Y	
63.425(a)	Performance test on the vapor processing system	Y	
63.425(b)	Operating parameter		
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)(3)	Continuous parameter monitoring system (CPMS), Temperature	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 yr recordkeeping	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(e)	Work practice program recordkeeping	Y	
63.428(h)	Submit an excess emissions report to the administrator	Y	

III. Generally Applicable Requirements

Table IV – C
Source-specific Applicable Requirements
S-12, S-18, AND S-19 - FIXED ROOF TANKS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.428(h)(1)	Each exceedence 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	
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	

III. Generally Applicable Requirements

Table IV – C
Source-specific Applicable Requirements
S-12, S-18, AND S-19 - FIXED ROOF TANKS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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 exceedences	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 # 1253	**Permit Conditions**		
Part IB	Total facility organic compound emissions shall not exceed 94.811 tpy [Basis: Cumulative Increase]	Y	
Part IID	Sources S-12, S-18 and S-19 shall be abated by A-1, thermal oxidizer. [Basis: Cumulative Increase]	Y	
Part IIID, Schedule D	Organic emission shall not exceed 1.44 lb/1000 barrels for Vapor Control Equipment/Vapor Recovery System Emissions [Basis: Cumulative Increase]	Y	

III. Generally Applicable Requirements

Table IV – D
Source-specific Applicable Requirements
S-13, S-14, S-15, S-16 – 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	

III. Generally Applicable Requirements

Table IV – D
Source-specific Applicable Requirements
S-13, S-14, S-15, S-16 – EXTERNAL FLOATING ROOF TANKS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-5-322.3	Gaps for welded tanks	Y	
8-5-322.5[a] (for S-14, S-15 and S-16 only)	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		
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	N	
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	

[a] This requirement applies to S-14 as of 2002 when the Owner/Operator replaced the secondary seals, S-15 as of 2003 when the Owner/Operator replaced the secondary seal and to S-16 as of 2004 when the Owner/Operator replaced the secondary seal.

III. Generally Applicable Requirements

Table IV – D
Source-specific Applicable Requirements
S-13, S-14, S-15, S-16 – EXTERNAL FLOATING ROOF TANKS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.12	Circumvention	Y	
60.13	Reconstruction	Y	
60.19	General notification and reporting requirements	Y	
NSPS Part 60 Subpart K	**Standards of Performance for Volatile Organic Liquid Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced After June 11, 1973, and Prior to May 19, 1978**	Y	
60.110(c)(2)	Affected tanks that are greater than or equal to 65,000 gallons	Y	
60.112(a)(1)	Vapor pressure is equal to or greater than 1.5 psia shall be equipped with a vapor recovery system, or their equivalent	Y	
60.112(a)(2)	Vapor pressure is equal to or greater than 11.1 psia shall be equipped with a vapor recovery system, or their equivalent	Y	
60.113	Monitor of operations	Y	
40 CFR 63	**Standards of Performance for New Stationary Sources**	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	
63.15	Availability of Information and confidentiality	Y	
NSPS 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)	December 15, 1997 deadline	Y	

III. Generally Applicable Requirements

Table IV – D
Source-specific Applicable Requirements
S-13, S-14, S-15, S-16 – EXTERNAL FLOATING 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(d)	Comply with § 60.113b	Y	
63.427	Continuous monitoring	Y	
63.427(c)	Monitoring requirements in § 60.116b; 5 yr recordkeeping	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 # 1253	**Permit Conditions**		
Part IIID, Schedule A	POC emission limitation [Basis: Cumulative Increase]	Y	
Part IIID, Schedule D	Tank Standing Emission Calculations [Basis: Regulation 8-5]	Y	

Table IV – F
Source-specific Applicable Requirements
S-21–MARINE VESSEL LOADING WHARF

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	

III. Generally Applicable Requirements

Table IV – F
Source-specific Applicable Requirements
S-21–MARINE VESSEL LOADING WHARF

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-44-301.1	Loading a regulated organic with emission controlled as required by 8-44-304 or	N	
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	No equipment associated with marine terminal operation shall 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 shall not exceed 3 drop/min liquid leak or 1,000 ppm (methane) of gaseous leak	N	
8-44-305.3	Inspection of 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	

III. Generally Applicable Requirements

Table IV – F
Source-specific Applicable Requirements
S-21–MARINE VESSEL LOADING WHARF

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-44-404.7	Tank cleaning, volume, prior cargo name and trade designation, the means used to clean each tank	N	
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	Means used to comply with 8-44-301	N	

III. Generally Applicable Requirements

Table IV – F
Source-specific Applicable Requirements
S-21–MARINE VESSEL LOADING WHARF

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-44-502.1.8	Date and time of inspections, identification of equipment leak	N	
8-44-502.2	Records to be kept when ballasting	N	
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 to be kept 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	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	

III. Generally Applicable Requirements

Table IV – F
Source-specific Applicable Requirements
S-21–MARINE VESSEL LOADING WHARF

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	

III. Generally Applicable Requirements

Table IV – F
Source-specific Applicable Requirements
S-21–MARINE VESSEL LOADING WHARF

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	
NESHAPS 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	Y	
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)(iii)	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: 98 % weight when using combustion device	Y	
63.562(c)(4)	Or 1,000 ppmv outlet VOC concentration	Y	
63.562(c)(6)	Maintenance allowance for loading berths	Y	
63.562(c)(6)(i)	Maintenance	Y	
63.562(c)(6)(ii)	Conditions beyond reasonable control	Y	

III. Generally Applicable Requirements

Table IV – F
Source-specific Applicable Requirements
S-21–MARINE VESSEL LOADING WHARF

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	

III. Generally Applicable Requirements

Table IV – F
Source-specific Applicable Requirements
S-21–MARINE VESSEL LOADING WHARF

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)(4)	Combustion device, except flare	Y	
63.563(b)(4)(i)	Outlet VOC concentration limit for percent combustion efficiency	Y	

III. Generally Applicable Requirements

Table IV – F
Source-specific Applicable Requirements
S-21–MARINE VESSEL LOADING WHARF

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.563(b)(4)(ii)	Baseline temperature for required percent combustion efficiency	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(e)	Combustion device, except flare	Y	
63.564(e)(1)	Outlet VOC concentration	Y	
63.564(e)(2)	Operating temperature determined during performance testing	Y	
63.564(e)(3)	Manufacturer's recommended operating temperature	Y	
63.564(e)(4)	Temperature monitor	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	

III. Generally Applicable Requirements

Table IV – F
Source-specific Applicable Requirements
S-21–MARINE VESSEL LOADING WHARF

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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(d)(1)	Testing equipment preparation and installation	Y	
63.565(d)(2)	Test Performance during last 20% of loading	Y	
63.565(d)(3)	Emission testing interval	Y	
63.565(d)(3)(i)	Readings	Y	
63.565(d)(3)(ii)	Sampling sites	Y	
63.565(d)(3)(iii)	Volume exhaust	Y	
63.565(d)(4)	Combustion devices	Y	
63.565(d)(6)	VOC mass at the inlet and outlet calculation	Y	
63.565(d)(7)	VOC mass emission rate at the inlet and outlet calculation	Y	
63.565(d)(8)	Method 25 or 25A	Y	
63.565(d)(9)	Three repeats	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(j)	Baseline total stream flow	Y	
63.565(k)(1)	Baseline L/V ratio from performance test	Y	
63.565(k)(2)	Baseline L/V ratio from manufacturer	Y	

III. Generally Applicable Requirements

Table IV – F
Source-specific Applicable Requirements
S-21–MARINE VESSEL LOADING WHARF

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.565(l)	Emission estimation procedures	Y	
63.565(m)(1)	Alternate test procedures	Y	
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	

III. Generally Applicable Requirements

Table IV – F
Source-specific Applicable Requirements
S-21–MARINE VESSEL LOADING WHARF

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.567(b)(4)(iv)	Submit a notification of the actual date of startup	Y	
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(I)	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	

III. Generally Applicable Requirements

Table IV – F
Source-specific Applicable Requirements
S-21–MARINE VESSEL LOADING WHARF

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.567(i)(8)	Test results	Y	
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)(ii)	Sampling Frequency for pollutant-specific emission units with PTE greater than 100 tons per year	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	

III. Generally Applicable Requirements

Table IV – F
Source-specific Applicable Requirements
S-21–MARINE VESSEL LOADING WHARF

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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 exceedences	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 # 1253	**Permit Conditions**		
Part IA	Deleted, obsolete	N	
Part IB	POC, CO, NOx, SO2, PM emission limitations [Basis: Cumulative Increase]	Y	
Part IIA	No tanker calling while engaging in maintenance, repair, inspection [Basis: Cumulative Increase]	Y	
Part IIB	Vapor and liquid leaks inspections for valves, pumps compressors [Basis: Regulation 8, Rule 18]	Y	
Part IIC	Leak check procedures and methods [Basis: NSPS]	Y	
Part IID	Source S-21 shall be abated by A-1, thermal oxidizer. [Basis: Cumulative Increase]	Y	

III. Generally Applicable Requirements

Table IV – F
Source-specific Applicable Requirements
S-21–MARINE VESSEL LOADING WHARF

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part IIIA, Section 3	Reid Vapor Pressure [Basis: Cumulative Increase]	Y	
Part IIIB	Report number of vessels loaded on a quarterly basis [Basis: Cumulative Increase]	Y	
Part IIIC	Valve, pump, compressor inspection and maintenance records [Basis: NSPS]	Y	
Part IIID	All records required shall be kept for at least 5 years [Basis: Regulation 2, Rule 6, Section 501]	Y	
Part IIID, Schedule A	POC emission limitation [Basis: Cumulative Increase]	Y	
Part IIID, Schedule B	NOx emission limitation [Basis: Cumulative Increase]	Y	
Part IIID, Schedule C	SO2 emission limitation [Basis: Cumulative Increase]	Y	
Part IIID, Schedule D	Fugitive emission calculations [Basis: Cumulative Increase]	Y	
Part IIID, Schedule D	Vapor control equipment/vapor recovery system emission calculation [Basis: Cumulative Increase]	Y	
Part IIID, Schedule D, Section A	Cargo loading emission calculation for uncontrolled loading [Basis: Cumulative Increase]	Y	
Part IIID, Schedule D, Section B	Cargo loading emission calculation for controlled loading [Basis: Cumulative Increase]	Y	
Part IIID, Schedule E	Sulfur emissions [Basis: Regulation 9, Rule 1, Section 303]	Y	
Part IV, Section 1	Deleted, initial startup source test requirement [Basis: Cumulative Increase]	N	
Part IV, Section 2	POC controlled shall be at least 95% by weight or less than or equal to 2 pounds per 1000 barrels loaded [Basis: Cumulative Increase]	Y	
Part IV, Section 3a	Install instrument to measure static pressure in marine tank vessel [Basis: Cumulative Increase]	Y	
Part IV, Section 3b	Install instrument to measure oxidizer exhaust temperature [Basis: Cumulative Increase]	Y	

III. Generally Applicable Requirements

Table IV – F
Source-specific Applicable Requirements
S-21–MARINE VESSEL LOADING WHARF

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part IV, Section 4	Calculate emission caps from the calculation method in Part IIID, Schedule D, or source test result [Basis: Cumulative Increase]	Y	
Part IV, Section 5	Deleted, startup detail plan for monitoring equipment [Basis: Cumulative Increase]	N	
Part IV, Section 6	Marine loading shall be abated at all times by the marine vapor recovery systems [Basis: Cumulative Increase]	Y	
Part IV, Section 7	Temperature limitation [Basis: Cumulative Increase]	Y	
Part IV, Section 8	Report leak test on a quarterly basis [Basis: Regulation 8, Rule 44]	Y	
Part IV, Section 9	Loading pressure shall not exceed 80% of the lowest relief valve set pressure [Basis: Cumulative Increase]	Y	
Part IV, Section 10	All maintenance record shall kept for 5 years [Basis: Regulation 2, Rule 1, Section 403]	Y	

III. Generally Applicable Requirements

Table IV – G
Source-specific Applicable Requirements
S-23, S-24–OILY WATER SEPARATORS

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	
8-8-301.1	Wastewater separators greater than 760 liters day and smaller than 18.9 liters per second equipped with solid, gasketed, fixed cover	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	
BAAQMD Condition # 1253	**Permit Conditions**		
Part IB	POC, CO, NOx, SO2, PM emission limitations [Basis: Cumulative Increase]	Y	
Part IIIA, Section 2	Report total volume of liquids processed on a quarterly basis [Basis: Cumulative Increase]	Y	

Table IV – H
Source-specific Applicable Requirements
S-27, S-28 - 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	

III. Generally Applicable Requirements

Table IV – H
Source-specific Applicable Requirements
S-27, S-28 - FIXED ROOF TANKS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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	
8-5-306	Requirements for Approved Emission Control System	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 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	
60.110a(a)	Applicability and designation of affected facility	Y	
60.112a(a)(3)	Vapor recovery system which collects at least 95% by weight	Y	
60.113a(a)(2)	Testing and Procedures for vapor recovery system	Y	
60.115a(a)	Record period of storage and maximum true vapor pressure	Y	

III. Generally Applicable Requirements

Table IV – H
Source-specific Applicable Requirements
S-27, S-28 - FIXED ROOF TANKS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.115a(b)	True vapor pressure	Y	
60.115a(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	
NESHAPS Part 63 Subpart R	**National Emission Standards for Gasoline Distribution Facilities (Bulk Gasoline Terminals and Pipeline Breakout Stations)**	Y	
63.420(a)(1)	Affected terminal	Y	
63.420(b)(1)	Affected pipeline breakout station	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)	*Rules Stayed for Reconsideration*	Y	
63.423	Standards: Storage vessels		
63.423(a)	Requirements	Y	
63.423(c)	December 15, 1997 deadline	Y	
63.425	Test methods and procedures	Y	
63.425(a)	Performance test on the vapor processing system	Y	
63.425(b)	Operating parameter		
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	

III. Generally Applicable Requirements

Table IV – H
Source-specific Applicable Requirements
S-27, S-28 - FIXED ROOF TANKS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.425(d)	Compliance with § 60.113b	Y	
63.427	Continuous monitoring	Y	
63.427(a)(3)	Continuous parameter monitoring system (CPMS), Temperature	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 yr recordkeeping	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(e)	Work practice program recordkeeping	Y	
63.428(h)	Submit an excess emissions report to the administrator	Y	
63.428(h)(1)	Each exceedence 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	
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	

III. Generally Applicable Requirements

Table IV – H
Source-specific Applicable Requirements
S-27, S-28 - FIXED ROOF TANKS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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 exceedences	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 # 1253	**Permit Conditions**		

III. Generally Applicable Requirements

Table IV – H
Source-specific Applicable Requirements
S-27, S-28 - FIXED ROOF TANKS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part IB	Total facility organic compound emissions shall not exceed 94.811 tpy [Basis: Cumulative Increase]	Y	
Part IID	Sources S-27 and S-28 shall be abated by A-1, thermal oxidizer. [Basis: Cumulative Increase]	Y	
Part IIID, Schedule D	Organic emission shall not exceed 1.44 lb/1000 barrels for Vapor Control Equipment/Vapor Recovery System Emissions [Basis: Cumulative Increase]	Y	

Table IV-I
Source-specific Applicable Requirements
S-73, Direct Fired Heater

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (9/04/98)**		
6-301	Ringelmann No. 1 Limitation	Y	
6-304	Tube Cleaning	Y	
6-310	Particulate Weight Limitation	Y	
6-310.3	Particulate Weight Limitation – Heat Transfer	Y	
BAAQMD Regulation 9, Rule 1	**Inorganic Gaseous Pollutants – Sulfur Dioxide (3/15/95)**		
9-1-301	Limitation on Ground Level Concentration	Y	
9-1-302	General Emission Limitations, or 9-1-304	Y	
BAAQMD Regulation 9, Rule 7	**Inorganic Gaseous Pollutants – Nitrogen Oxides and Carbon Monoxide from Industrial, Institutional, and Commercial Boilers, Steam Generators, and Process Heaters (9/16/92)**		
9-7-301	Emission Limits – Gaseous Fuel	Y	
9-7-301.1	Performance Standard, NOx	Y	

III. Generally Applicable Requirements

Table IV-I
Source-specific Applicable Requirements
S-73, Direct Fired Heater

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
9-7-301.2	Performance Standard, CO	Y	
9-7-305	Natural Gas Curtailments – Non-Gaseous Fuel	Y	
9-7-305.1	Performance Standard, NOx	Y	
9-7-305.2	Performance Standard, CO	Y	
9-7-306	Equipment Testing – Non-Gaseous Fuel	Y	
9-7-306.1	Performance Standard, NOx	Y	
9-7-306.2	Performance Standard, CO	Y	
9-7-306.3	Operating Standard, Equipment Testing	Y	
9-7-401	Compliance Schedule	Y	
9-7-403	Initial Demonstration of Compliance	Y	
9-7-501	Combination of Different Fuels	Y	
9-7-502	Modified Maximum Heat Input	Y	
9-7-503	Records	Y	
9-7-503.1	304.2 Records	Y	
9-7-503.2	Records, Curtailment	Y	
9-7-503.3	306.3 Records	Y	
9-7-503.4	403 Records and Record Retention	Y	
9-7-601	Determination of Nitrogen Oxides	Y	
9-7-602	Determination of Carbon Monoxide and Stack-Gas Oxygen	Y	
9-7-603	Compliance Determination	Y	
9-7-604	Tune-Up Procedures	N	
BAAQMD Condition # 1253	**Permit Conditions**		
Part IB	Total facility organic compound emissions shall not exceed 94.811 tpy [Basis: Cumulative Increase]	Y	
Part IIID, Schedule D	POC = 5.5 lb/MMcu.ft. of natural gas burned NOx = 100 lb/MMcu.ft. of natural gas burned SO2 = 0.6 lb/MMcu.ft. of natural gas burned CO = 84 lb/MMcu.ft. of natural gas burned. [Basis: Cumulative Increase]	Y	

III. Generally Applicable Requirements

Table IV-I
Source-specific Applicable Requirements
S-73, Direct Fired Heater

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Condition # 13720	**Permit Conditions**		
Part 1	Natural gas usage limitation [Basis: Cumulative Increase]	Y	
Part 2	NOx limitation [Basis: BACT]	Y	
Part 3	CO limitation [Basis: BACT]	Y	
Part 4	Natural gas must be used at S-73. [Basis: BACT]	Y	
Part 5	Annual source test [Basis: Regulation 9, Rule 7]	Y	
Part 6	Non-resettable natural gas flow meter [Basis: Cumulative Increase]	Y	
Part 7	Certification of sulfur content in fuel oil [Basis: Regulation 2, Rule 6, Section –409.2]	Y	

Table IV – J
Source-specific Applicable Requirements
S-74 AND S-75 EMERGENCY DIESEL GENERATORS

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	

III. Generally Applicable Requirements

Table IV – J
Source-specific Applicable Requirements
S-74 AND S-75 EMERGENCY DIESEL GENERATORS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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 # 1253	**Permit Conditions**		
Part IB	Total facility organic compound emissions shall not exceed 94.811 tpy [Basis: Cumulative Increase]	Y	
BAAQMD Condition # 19308			
Part 1	Operation limited to < 50 hours per year for reliability-related activities. [Stationary Diesel Engine ATCM, 17 CCR sec. 93115(e)(2)(A)(3)]	N	
Part 2	Non-resettable meter with display capability of 9,999 hours. [Stationary Diesel Engine ATCM, 17 CCR sec. 93115(e)(4)(G)1]	N	
Part 3	Recordkeeping [Stationary Diesel Engine ATCM, 17 CCR sec. 93115(e)(4)(I); Regulation 1-441, Toxics]	N	

III. Generally Applicable Requirements

Table IV - K
Source-specific Applicable Requirements
S-76, S-77 AND S-78 - INTERNAL FLOATING ROOF TANKS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 5	**Storage of Organic Liquids (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		
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		
8-5-321.1	No holes, tears or other openings	Y	
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		
8-5-322.1	No holes, tears, or other openings in the secondary seal	Y	

III. Generally Applicable Requirements

Table IV - K
Source-specific Applicable Requirements
S-76, S-77 AND S-78 - INTERNAL FLOATING ROOF TANKS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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 40 CFR 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	
60.112b(a)(1)	Internal Floating Roof	Y	

III. Generally Applicable Requirements

Table IV - K
Source-specific Applicable Requirements
S-76, S-77 AND S-78 - INTERNAL FLOATING ROOF TANKS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.112b(a)(1)(i)	The internal floating roof requirements	Y	
60.112b(a)(1)(ii)	Closure devices	Y	
60.112b(a)(1)(iii)	Opening	Y	
60.112b(a)(1)(iv)	Cover or lid	Y	
60.112b(a)(1)(v)	Automatic bleeder vents	Y	
60.112b(a)(1)(vi)	Rim space vents	Y	
60.112b(a)(1)(vii)	The sample well	Y	
60.112b(a)(1)(viii)	Flexible fabric sleeve seal or a gasketed sliding cover	Y	
60.112b(a)(1)(ix)	Gasketed sliding cover	Y	
60.113b	Testing and Procedures	Y	
60.113b(a)(1)	Visual inspect	Y	
60.113b(a)(2)	For vessels equipped with a liquid-mounted or mechanical shoe primary seal	Y	
60.113b(a)(4)	Visually inspect when emptied and degassed	Y	
60.113b(a)(5)	Notify the Administrator	Y	
60.115b	Reporting and recordkeeping requirements	Y	
60.115b(a)	Installing equipment	Y	
60.116b	Monitoring of Operation	Y	
60.116b(a)	Records required	Y	
60.116b(b)	Accessible records	Y	
60.116b(c)	Maintain a record of the VOL stored, the period of storage, and the maximum true vapor pressure	Y	

III. Generally Applicable Requirements

Table IV - K
Source-specific Applicable Requirements
S-76, S-77 AND S-78 - INTERNAL FLOATING ROOF TANKS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.116b(d)	Notify the administrator within 30 days when the maximum true vapor pressure of the liquid exceeds the respective 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 local monthly average ambient temperature	Y	
60.116b(e)(2)	For crude oil or refined petroleum products the vapor pressure may be obtained by the following	Y	
60.116b(e)(3)	For other liquids, the vapor pressure	Y	
60.116b(f)	Vessel storing a waste mixture of indeterminate or variable composition	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	
NSPS 40 CFR 63 Subpart R	**National Emission Standards for Gasoline Distribution Facilities (Bulk Gasoline Terminals and Pipeline Breakout Stations)**	**Y**	
63.420(a)	Applicability	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	
63.423	Standards: Storage vessels		
63.423(a)	Requirements in § 60.112b(a) (1) through (4)	Y	
63.423(c)	December 15, 1997 compliance deadline	Y	
63.424	Standards: Equipment Leaks	Y	

III. Generally Applicable Requirements

Table IV - K
Source-specific Applicable Requirements
S-76, S-77 AND S-78 - INTERNAL FLOATING ROOF TANKS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.425	Test methods and procedures		
63.425(d)	Vessel subject to the provisions of § 63.423 shall comply with § 60.113b of this chapter	Y	
63.428	Reporting and recordkeeping		
63.428(a)	The initial notifications	Y	
63.428(d)	Keep records and furnish reports	Y	
63.428(e)	Work Practice Program Recordkeeping	Y	
BAAQMD Condition # 1253	**Permit Conditions**		
Part IB	Total facility organic compound emissions shall not exceed 94.811 tpy [Basis: Cumulative Increase]	Y	
BAAQMD Condition # 20060	**Permit Conditions**		
Part 1	Gasoline or other hydrocarbon liquids yearly throughput limitation [Basis: Cumulative Increase]	Y	
Part 2	Gasoline or other hydrocarbon liquids daily throughput limitation [Basis: Cumulative Increase]	Y	
Part 3	Limitation on benzene concentration [Basis: TRMP]	Y	
Part 4	Valves and flanges inspection and maintenance [Basis: Regulation 8, Rule 18]	Y	
Part 5	Subject to all applicable requirement of Regulation 8-5 and NSPS [40 CFR 60, Subpart Kb. [Basis: Regulation 8, Rule 5, NSPS]	Y	
Part 6	Recordkeeping Requirements [Basis: Recordkeeping]	Y	

III. Generally Applicable Requirements

Table IV - L
Source-specific Applicable Requirements
S-79 AND S-80 - INTERNAL FLOATING ROOF TANKS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 5	**Storage of Organic Liquids (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		
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		
8-5-321.1	No holes, tears or other openings	Y	
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		
8-5-322.1	No holes, tears, or other openings in the secondary seal	Y	
8-5-322.2	Insertion of probes	Y	

III. Generally Applicable Requirements

Table IV - L
Source-specific Applicable Requirements
S-79 AND S-80 - INTERNAL FLOATING ROOF TANKS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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 40 CFR 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	
60.112b(a)(1)	Internal Floating Roof	Y	

III. Generally Applicable Requirements

Table IV - L
Source-specific Applicable Requirements
S-79 AND S-80 - INTERNAL FLOATING ROOF TANKS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.112b(a)(1)(i)	The internal floating roof requirements	Y	
60.112b(a)(1)(ii)	Closure devices	Y	
60.112b(a)(1)(iii)	Opening	Y	
60.112b(a)(1)(iv)	Cover or lid	Y	
60.112b(a)(1)(v)	Automatic bleeder vents	Y	
60.112b(a)(1)(vi)	Rim space vents	Y	
60.112b(a)(1)(vii)	The sample well	Y	
60.112b(a)(1)(viii)	Flexible fabric sleeve seal or a gasketed sliding cover	Y	
60.112b(a)(1)(ix)	Gasketed sliding cover	Y	
60.113b	Testing and Procedures	Y	
60.113b(a)(1)	Visual inspect	Y	
60.113b(a)(2)	For vessels equipped with a liquid-mounted or mechanical shoe primary seal	Y	
60.113b(a)(4)	Visually inspect when emptied and degassed	Y	
60.113b(a)(5)	Notify the Administrator	Y	
60.115b	Reporting and recordkeeping requirements	Y	
60.115b(a)	Installing equipment	Y	
60.116b	Monitoring of Operation	Y	
60.116b(a)	Records required	Y	
60.116b(b)	Accessible records	Y	
60.116b(c)	Maintain a record of the VOL stored, the period of storage, and the maximum true vapor pressure	Y	

III. Generally Applicable Requirements

Table IV - L
Source-specific Applicable Requirements
S-79 AND S-80 - INTERNAL FLOATING ROOF TANKS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.116b(d)	Notify the administrator within 30 days when the maximum true vapor pressure of the liquid exceeds the respective 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 local monthly average ambient temperature	Y	
60.116b(e) (2)	For crude oil or refined petroleum products the vapor pressure may be obtained by the following	Y	
60.116b(e) (3)	For other liquids, the vapor pressure	Y	
60.116b(f)	Vessel storing a waste mixture of indeterminate or variable composition	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	
NSPS 40 CFR 63 Subpart R	**National Emission Standards for Gasoline Distribution Facilities (Bulk Gasoline Terminals and Pipeline Breakout Stations)**	Y	
63.420(a)	Applicability	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	
63.423	Standards: Storage vessels	Y	
63.423(a)	Requirements in § 60.112b(a) (1) through (4)	Y	
63.423(c)	December 15, 1997 compliance deadline	Y	
63.424	Standards: Equipment Leaks	Y	

III. Generally Applicable Requirements

Table IV - L
Source-specific Applicable Requirements
S-79 AND S-80 - INTERNAL FLOATING 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(d)	Vessel subject to the provisions of § 63.423 shall comply with § 60.113b of this chapter	Y	
63.428	Reporting and recordkeeping	Y	
63.428(a)	The initial notifications	Y	
63.428(d)	Keep records and furnish reports	Y	
63.428(e)	Work Practice Program Recordkeeping	Y	
BAAQMD Condition # 1253	**Permit Conditions**		
Part IB	Total facility organic compound emissions shall not exceed 94.811 tpy [Basis: Cumulative Increase]	Y	
BAAQMD Condition # 21829	**Permit Conditions**		
Part 1	Gasoline or other hydrocarbon liquids yearly throughput limitation [Basis: Cumulative Increase]	Y	
Part 2	Gasoline or other hydrocarbon liquids maximum mass emissions [Basis: Cumulative Increase]	Y	
Part 3	Internal Floating Roof Fittings [Basis: BACT]	Y	
Part 4	Benzene Concentration [Basis: Toxics]	N	
Part 5	Valves and flanges inspection and maintenance [Basis: Regulation 8, Rule 18]	Y	
Part 7	Recordkeeping Requirements [Basis: Recordkeeping]	Y	

Table IV - M
Source-specific Applicable Requirements
S-81, S-82 AND S-83 - INTERNAL FLOATING ROOF TANKS

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

III. Generally Applicable Requirements

Table IV - M
Source-specific Applicable Requirements
S-81, S-82 AND S-83 - INTERNAL FLOATING ROOF TANKS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 5	**Storage of Organic Liquids (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	
8-5-305	Requirements for internal floating roofs	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	Floating roof must rest on surface of liquid	Y	
8-5-320	Tank fitting requirements		
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	Well requirements	Y	
8-5-320.5.3	Gap between the well and the roof	Y	
8-5-320.6	Emergency roof drain	Y	
8-5-321	Primary seal requirements		
8-5-321.1	No holes, tears or other openings	Y	
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		
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	

III. Generally Applicable Requirements

Table IV - M
Source-specific Applicable Requirements
S-81, S-82 AND S-83 - INTERNAL FLOATING ROOF TANKS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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 valve 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 40 CFR 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	
60.112b(a)(1)	Internal floating roof	Y	
60.112b(a)(1)(i)	Internal floating roof requirements	Y	
60.112b(a)(1)(ii)	Closure devices	Y	

III. Generally Applicable Requirements

Table IV - M
Source-specific Applicable Requirements
S-81, S-82 AND S-83 - INTERNAL FLOATING ROOF TANKS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.112b(a)(1)(iii)	Opening	Y	
60.112b(a)(1)(iv)	Cover or lid	Y	
60.112b(a)(1)(v)	Automatic bleeder vents	Y	
60.112b(a)(1)(vi)	Rim space vents	Y	
60.112b(a)(1)(vii)	Sample well	Y	
60.112b(a)(1)(viii)	Flexible fabric sleeve seal or a gasketed sliding cover	Y	
60.112b(a)(1)(ix)	Gasketed sliding cover	Y	
60.113b	Testing and procedures	Y	
60.113b(a)(1)	Visual inspection	Y	
60.113b(a)(2)	Vessels equipped with a liquid-mounted or mechanical shoe primary seal	Y	
60.113b(a)(4)	Visually inspect when emptied and degassed	Y	
60.113b(a)(5)	Notify the Administrator	Y	
60.115b	Reporting and recordkeeping requirements	Y	
60.115b(a)	Installing equipment	Y	
60.116b	Monitoring of Operation	Y	
60.116b(a)	Records required	Y	
60.116b(b)	Accessible records	Y	
60.116b(c)	Maintain a record of the volatile organic liquid stored, the period of storage, and the maximum true vapor pressure	Y	
60.116b(d)	Notify the administrator within 30 days when the maximum true vapor pressure of the liquid exceeds the respective maximum true vapor pressure	Y	
60.116b(e)	Available data on the storage temperature may be used to determine maximum true vapor pressure	Y	

III. Generally Applicable Requirements

Table IV - M
Source-specific Applicable Requirements
S-81, S-82 AND S-83 - INTERNAL FLOATING ROOF TANKS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.116b(e)(1)	Maximum local monthly average ambient temperature	Y	
60.116b(e)(2)	For crude oil or refined petroleum products the vapor pressure may be obtained by the following	Y	
60.116b(e)(3)	For other liquids, vapor pressure	Y	
60.116b(f)	Vessel storing a waste mixture of indeterminate or variable composition	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	
NSPS 40 CFR 63 Subpart R	**National Emission Standards for Gasoline Distribution Facilities (Bulk Gasoline Terminals and Pipeline Breakout Stations)**	Y	
63.420(a)	Applicability	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	
63.423	Standards: Storage vessels	Y	
63.423(a)	Requirements in § 60.112b(a) (1) through (4)	Y	
63.423(c)	December 15, 1997 compliance deadline	Y	
63.424	Standards: Equipment Leaks	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	
63.428	Reporting and recordkeeping	Y	
63.428(a)	Initial notifications	Y	

III. Generally Applicable Requirements

Table IV - M
Source-specific Applicable Requirements
S-81, S-82 AND S-83 - INTERNAL FLOATING ROOF TANKS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.428(d)	Keep records and furnish reports	Y	
63.428(e)	Work practice program recordkeeping	Y	
BAAQMD Condition # 1253	**Permit Conditions**		
Part IB	Total facility organic compound emissions shall not exceed 94.811 tpy [Basis: Cumulative Increase]	Y	
BAAQMD Condition # 22788	**Permit Conditions**		
Part 1	Non-exempt organic liquids yearly throughput limitation [Basis: Cumulative Increase]	Y	
Part 2	Gasoline or other hydrocarbon liquids maximum mass emissions [Basis: Cumulative Increase]	Y	
Part 3	Internal floating roof fittings [Basis: BACT]	Y	
Part 4	Benzene concentration [Basis: Toxics]	N	
Part 5	Valves and flanges inspection and maintenance [Basis: Regulation 8, Rule 18]	Y	
Part 7	Recordkeeping requirements [Basis: Recordkeeping]	Y	

III. Generally Applicable Requirements

Table IV – N
Source-specific Applicable Requirements
S-84, S-85, S-86, S-87, S-88, S-89 AND S-90 - INTERNAL FLOATING ROOF TANKS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 5	**Storage of Organic Liquids (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	
8-5-305	Requirements for internal floating roofs	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	Floating roof must rest on surface of liquid	Y	
8-5-320	Tank fitting requirements		
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	Well requirements	Y	
8-5-320.5.3	Gap between the well and the roof	Y	
8-5-320.6	Emergency roof drain	Y	
8-5-321	Primary seal requirements		
8-5-321.1	No holes, tears or other openings	Y	
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		
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	

III. Generally Applicable Requirements

Table IV – N
Source-specific Applicable Requirements
S-84, S-85, S-86, S-87, S-88, S-89 AND S-90 - INTERNAL FLOATING ROOF TANKS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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 valve 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 40 CFR 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	
60.112b(a)(1)	Internal floating roof	Y	
60.112b(a)(1)(i)	Internal floating roof requirements	Y	

III. Generally Applicable Requirements

Table IV – N
Source-specific Applicable Requirements
S-84, S-85, S-86, S-87, S-88, S-89 AND S-90 - INTERNAL FLOATING ROOF TANKS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.112b(a)(1)(ii)	Closure devices	Y	
60.112b(a)(1)(iii)	Opening	Y	
60.112b(a)(1)(iv)	Cover or lid	Y	
60.112b(a)(1)(v)	Automatic bleeder vents	Y	
60.112b(a)(1)(vi)	Rim space vents	Y	
60.112b(a)(1)(vii)	The sample well	Y	
60.112b(a)(1)(viii)	Flexible fabric sleeve seal or a gasketed sliding cover	Y	
60.112b(a)(1)(ix)	Gasketed sliding cover	Y	
60.113b	Testing and procedures	Y	
60.113b(a)(1)	Visual inspection	Y	
60.113b(a)(2)	For vessels equipped with a liquid-mounted or mechanical shoe primary seal	Y	
60.113b(a)(4)	Visually inspect when emptied and degassed	Y	
60.113b(a)(5)	Notify the Administrator	Y	
60.115b	Reporting and recordkeeping requirements	Y	
60.115b(a)	Installing equipment	Y	
60.116b	Monitoring of Operation	Y	
60.116b(a)	Records required	Y	
60.116b(b)	Accessible records	Y	
60.116b(c)	Maintain a record of the volatile organic liquid stored, the period of storage, and the maximum true vapor pressure	Y	
60.116b(d)	Notify the administrator within 30 days when the maximum true vapor pressure of the liquid exceeds the respective maximum true vapor pressure	Y	

III. Generally Applicable Requirements

Table IV – N
Source-specific Applicable Requirements
S-84, S-85, S-86, S-87, S-88, S-89 AND S-90 - INTERNAL FLOATING ROOF TANKS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.116b(e)	Available data on the storage temperature may be used to determine maximum true vapor pressure	Y	
60.116b(e)(1)	Maximum local monthly average ambient temperature	Y	
60.116b(e)(2)	For crude oil or refined petroleum products the vapor pressure may be obtained by the following	Y	
60.116b(e)(3)	For other liquids, the vapor pressure	Y	
60.116b(f)	Vessel storing a waste mixture of indeterminate or variable composition	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	
NSPS 40 CFR 63 Subpart R	**National Emission Standards for Gasoline Distribution Facilities (Bulk Gasoline Terminals and Pipeline Breakout Stations)**	Y	
63.420(a)	Applicability	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	
63.423	Standards: Storage vessels	Y	
63.423(a)	Requirements in § 60.112b(a) (1) through (4)	Y	
63.423(c)	December 15, 1997 compliance deadline	Y	
63.424	Standards: Equipment Leaks	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	

III. Generally Applicable Requirements

Table IV – N
Source-specific Applicable Requirements
S-84, S-85, S-86, S-87, S-88, S-89 AND S-90 - INTERNAL FLOATING ROOF TANKS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.428	Reporting and recordkeeping	Y	
63.428(a)	Initial notifications	Y	
63.428(d)	Keep records and furnish reports	Y	
63.428(e)	Work practice program recordkeeping	Y	
BAAQMD Condition # 1253	**Permit Conditions**		
Part IB	Total facility organic compound emissions shall not exceed 94.811 tpy [Basis: Cumulative Increase]	Y	
BAAQMD Condition # 23338	**Permit Conditions**		
Part 1	Non-exempt organic liquids yearly throughput limitation [Basis: Cumulative Increase]	Y	
Part 2	Gasoline or other hydrocarbon liquids maximum mass emissions [Basis: Cumulative Increase]	Y	
Part 3	Internal Floating Roof Fittings [Basis: BACT]	Y	
Part 4	Benzene Concentration [Basis: Toxics]	N	
Part 5	Valves and flanges inspection and maintenance [Basis: Regulation 8, Rule 18]	Y	
Part 7	Recordkeeping requirements [Basis: Recordkeeping]	Y	

Table IV – O
Source-specific Applicable Requirements
A-1, THERMAL OXIDIZER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (9/04/98)**		
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	

III. Generally Applicable Requirements

Table IV – O
Source-specific Applicable Requirements
A-1, THERMAL OXIDIZER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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	
9-1-302	General Emission Limitations	Y	
BAAQMD Condition # 1253	**Permit Conditions**		
Part IB	POC, CO, NOx, SO2, PM emission limitations [Basis: Cumulative Increase]	Y	
Part IIID, Schedule A	POC emission limitation [Basis: Cumulative Increase]	Y	
Part IIID, Schedule B	NOx emission limitation [Basis: Cumulative Increase]	Y	
Part IIID, Schedule C	SO2 emission limitation [Basis: Cumulative Increase]	Y	
Part IV, Section 2	POC controlled shall be at least 95% by weight or less than or equal to 2 pounds per 1000 barrels loaded [Basis: Cumulative Increase]	Y	
Part IV, Section 3b	Install instrument to measure oxidizer exhaust temperature [Basis: Cumulative Increase]	Y	
Part IV, Section 7	Temperature limitation [Basis: Cumulative Increase]	Y	
Part IV, Section 11	Annual source test to verify compliance with Section 2. [Basis: Cumulative Increase]	Y	

III. Generally Applicable Requirements

Table IV – P
Source-specific Applicable Requirements
FACILITY

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 5	**Storage of Organic Liquids (11/27/02)**		
8-5-328	Tank cleaning requirements	Y	
8-5-328.1.2	An approved Emission Control system	Y	
8-5-328.2	Degassing when ozone excesses are predicted	Y	
8-5-404	Certification	Y	
8-5-404.3	For tank degassing equipment	Y	
8-5-502	Tank degassing annual source test requirement	Y	
8-5-603	Determination of emissions	Y	
8-5-603.2	Source tests for tank cleaning equipment	Y	
BAAQMD Condition # 1253	**Permit Conditions**		
Part IB	POC, CO, NOx, SO2, PM emission limitations [Basis: Cumulative Increase]	Y	

III. Generally Applicable Requirements

Table IV – Q
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	

III. Generally Applicable Requirements

Table IV – Q
Source-specific Applicable Requirements
COMPONENTS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-18-502	Records	Y	
SIP BAAQMD Regulation 8, Rule 25	**Organic Compounds-Pump and Compressor Seals at Petroleum Refinery Complexes, Chemical Plants, Bulk Plants and Bulk Terminals (6/1/94)**		
8-25-301	Pump and compressor operating requirements	Y	
8-25-302	Pumps	Y	
8-25-303	Compressors	Y	
8-24-304	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	
NSPS 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	

III. Generally Applicable Requirements

Table IV – Q
Source-specific Applicable Requirements
COMPONENTS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.424(g)(4)	Minimize gasoline sent to waste collection systems	Y	
BAAQMD Condition # 1253	**Permit Conditions**		
Part IB	Total facility organic compound emissions shall not exceed 94.811 tpy [Basis: Cumulative Increase]	Y	

V. SCHEDULE OF COMPLIANCE

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

VI. PERMIT CONDITIONS

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

Condition # 1253

For S-1 THROUGH S-16, S-18, S-19, STORAGE TANKS; S-21, MARINE VESSEL WHARF; S-23, S-24, OILY WATER SEPARATORS; S-27, S-28, FIXED ROOF TANKS; S-73, DIRECT FIRED HEATER; S-76, S-77, S-78, S-79 AND S-80 INTERNAL FLOATING ROOF TANKS; AND A-1 THERMAL OXIDIZER; (EXCLUDE S-74, S-75 DIESEL IC EMERGENCY GENERATORS):

I. EMISSION LIMITATIONS

A) Deleted, obsolete.

B) The Owner/Operator shall ensure that total facility emissions from all sources, including organic loading emissions, shall not exceed the following levels during any calendar year. (Revised July 1, 1991) [Basis: Cumulative Increase]

Organic Compounds:	94.811 tons/year (Revised , 2008)
Carbon Monoxide:	52.2 tons/year
Oxides of Nitrogen:	129.5 tons/year
Sulfur Dioxide:	83.5 tons/year
Particulate Matter:	25.8 tons/year

II. GENERAL TERMINAL AND WHARF CONDITIONS

A) The Owner/Operator shall not allow a tanker that is calling exclusively at the terminal shall, while in California Coastal waters, to engage in any maintenance, repair, inspection, washing, purging and gas freeing, or lightering of cargo tanks or any other operation (excepting loading and offloading, ballasting, and bunkering) that results in the escape of hydrocarbon vapor to the atmosphere, except that this does not prohibit emergency repairs. All of these activities shall be recorded on a District approved log and be made available to the District representative upon request. Any failure by the Owner/Operator to report the activities listed above will subject them to appropriate enforcement action. Any emissions resulting from these unauthorized activities will be charged to the Owner/Operator emissions cap. [Basis: Cumulative Increase]

B) The Owner/Operator shall inspect pumps, compressors, pump manifolds and pressure relief valves for visible vapor or liquid leaks on a daily basis. [Basis: Regulation 8, Rule –18, Section 403]

C) The Owner/Operator shall follow the leak check procedures, testing methods, calibration procedures, definition of a leak, repair techniques, record keeping and report requirements in accordance with the Federal NSPS for equipment leaks of VOC from onshore natural gas processing plants. [Basis: Cumulative Increase]

VI. Permit Conditions

D) Thermal Oxidizer Operation.

1. The Owner/Operator shall use A-1, Thermal Oxidizer, as an abatement device during the events specified in paragraphs D.1.i and D.1.ii below:
   i. When non-exempt organic compounds (as defined in District Regulation 2, Rule 1, Section 123) are being stored in or transferred to storage tanks S-1 through S-12, S-18, S-19, S-27 and S-28. Under these conditions, the thermal oxidizer shall either automatically turn on or be manually turned on to be in operation when the pressure in the tank farm vapor line system reaches a positive pressure of not more than 1.5 inches of water column. (A-1 may temporarily be replaced by the John Zink Trailer Mounted Combustor (PECS Unit) or equivalent equipment during periods of breakdown or maintenance). [Basis: Cumulative Increase, BACT]
   ii. When regulated organic liquids (as defined in District Regulation 8-44-222) are being loaded at marine wharf S-21. Under these conditions, the thermal oxidizer shall be placed in operation automatically or manually and shall remain in operation for the duration of the loading event. [Basis: BACT]
2. A-1 Thermal oxidizer specifications and monitoring
   i. The pressure in the tank farm vapor line system shall be monitored and recorded on a continuous basis.
   ii. The owner/operator shall operate A-1 at an oxidation temperature of at least 1400 degrees F, as determined by monitoring and recording the A-1 operating temperature on a continuous basis. The District may adjust this minimum temperature, if source test data demonstrates that an alternate temperature is necessary for or capable of maintaining compliance with 95% overall system efficiency or greater when A-1 is abating the fixed roof tanks. [Basis: BACT]

III. REPORTING REQUIREMENTS

A) The Owner/Operator shall report the following to the Director of Enforcement of the District on the quarterly basis: [Basis: Cumulative Increase]

1. The total volume of gasoline throughput at the truck rack.

2. The total volume of liquids processed through the oil/water separators during the quarter.

B) Once the onshore vapor recovery system including vessel interconnection at the wharf is in operation, the Owner/Operator shall report to the Director of Enforcement of the District within 15 days after the close of each calendar quarter on the number of vessels that have been loaded at its marine terminal. These reports shall specify the percentage of said vessels that were hooked up to the Owner/Operator's onshore vapor recovery system during said quarter. With respect to those vessels into which organic liquids were loaded without being hooked up to said system, these reports shall summarize the reasons given by Owner/Operator's customers for their inability

VI. Permit Conditions

to secure vessels built or retrofitted to accommodate hook-up to said system. [Basis: Cumulative Increase]

C) The Owner/Operator shall keep records to document compliance with the valve, pump, and compressor inspection and maintenance requirements of condition II (C) above. [Basis: Cumulative Increase]

D) The Owner/Operator shall maintain all records required under this permit for at least 5 years and made available to a District representative upon request. [Basis: Regulation 2, Rule –6, Section 501]

SCHEDULE A

ORGANIC COMPOUND EMISSION CALCULATIONS

The Owner/Operator shall ensure that the sum of the following emission categories do not exceed 94.811 tons, per calendar year of organic compounds.

Cargo Loading Emission + Tanker Transit Emissions + Tanker Hoteling Emissions + Tanker Pumping Emission + Vapor Control Equipment Emission + Ballast Emissions + Tug Combustion Emissions + Tank Standing Losses + Fugitive Emissions + Tank Withdrawal Losses.

All calculations shall be performed in accordance with the procedures specified in Schedule D. [Basis: Cumulative Increase]

SCHEDULE B

OXIDES OF NITROGEN EMISSIONS CALCULATIONS

The Owner/Operator shall ensure that the sum of the following emission categories do not exceed 129.5 tons per calendar year of oxides of nitrogen.

Tug Combustion Emissions + Tanker Hotelling Emissions + Tanker Transit Emissions + Tanker Pumping Emissions + Vapor Control Equipment Combustion + Direct Fire Heater Combustion (excluding emergency diesel generators S-74 and S-75).

All calculations shall be performed in accordance with the procedures specified in Schedule D. [Basis: Cumulative Increase]

SCHEDULE C

VI. Permit Conditions

SULFUR DIOXIDE EMISSION CALCULATIONS

The Owner/Operator shall ensure that the sum of the following emission categories do not exceed 83.5 tons per calendar year of sulfur dioxide.

Tug Combustion Emissions + Tanker Hotelling Emissions + Tanker Transit Emissions + Tanker Pumping Emissions + Vapor Control Equipment Combustion + Direct Fire Heater Combustion (excluding emergency diesel generators S-74 and S-75).

All calculations shall be performed in accordance with the procedures specified in Schedule E. [Basis: Cumulative Increase]

SCHEDULE D

FUGITIVE EMISSION CALCULATIONS

Emission factors from AP-42, with 80% control due to the Inspection and Maintenance program required under condition III (C). [Basis: Cumulative Increase]

Existing Sources	Number	Emission Factor lbs/hr/source	Fugitive HC
Mixer & Pump Seals	17	0.045	0.782
Flanges	175	0.00056	0.098
Pipeline Valves	145	0.0005	0.0725
Open Ended Valves	95	0.005	0.4750
Pressure Relief Valves	1	0.36	0.36

Uncontrolled total, lbs/hr = 1.7875
Uncontrolled total, tons/yr = 7.83
Emissions at 80% control, tons/yr = 1.57

New Sources	Number(a)	Emission Factor lbs/hr/source	Fugitive HC
Mixer & Pump Seals	5	0.046	A x 0.046
Flanges	703	0.00056	B x 0.00056
Pipeline Valves	227	0.0005	C x 0.0005
Open Ended Valves	0	0.005	D x 0.005
Pressure Relief Valves	0	0.36	E x 0.36

Uncontrolled total, Total
Emissions at 80% control, Total x 0.2

a) Values for A, B, C, D & E to be determined from "as Installed" drawings or inspection.

VI. Permit Conditions

VAPOR CONTROL EQUIPMENT/VAPOR RECOVERY SYSTEM EMISSIONS

During operation of the thermal oxidizer its emissions (based on District Source Testing Data) will be assumed to be as follows: [Basis: Cumulative Increase]

NOx: 9.68 lb/day + 0.1744 lb/1,000 barrels of all materials received into tanks attached to the vapor recovery unit.

Organics: 1.44 lb/1,000 barrels of all materials received into tanks attached to the vapor recovery unit.

FURNACE EMISSION CALCULATIONS (S-73 Direct Fired Heater)
(EPA AP-42, Section 1.4)

Organic Compounds	5.5 lb/MMcu.ft. of natural gas burned
NOx	100 lb/MMcu.ft. of natural gas burned
SO2	0.6 lb/MMcu.ft. of natural gas burned
CO	84 lb/MMcu.ft. of natural gas burned

TANK STANDING EMISSION CALCULATIONS (Tanks 13-16 only)

Calculate using equation 4 from AP-42 p 4.3-16 (9/85)
Where:

L(s) = K(s) x Vn x P* x D x M(v) x K(c)
L(s) = standing losses, lb/year of organics
K(s) = seal factor 1.2 for metallic shoe primary seal; 0.2 for rim mounted secondary seal.
V = average wind speed = 13 miles per hour
N = wind speed exponent = 1.5 for metallic shoe seal
P* = vapor pressure function

Note:
P for crude oils will be determined by monthly composite samples.
P for FCC feedstock, all gas oils and fuel oils = 0 for purpose of this calculation.
PA = atmospheric pressure = 14.7 psia
D = tank diameter = 237 feet
M(v) = molecular weight of vapor, 58 for gasoline and crude oil, 190 for No. 6 and all other products
K(c) = product factor = 0.4 for crude oil; = 1.0 for all other materials

TANK WITHDRAWAL EMISSION CALCULATIONS

Calculate using equation 5 from AP-42 d 4-3-16 (9/85):

VI. Permit Conditions

L(w) = 0.943 QCW/D
where:
L(w) = withdrawal losses = lb/yr of organics
Q = throughput, bbl/year
C = shell clingage factors = 0.006
W = liquid density, lb/gal
Use:
8.2 for San Joaquin Valley Crude Oil and
7.8 for all other products if unknown
D = tank diameter = 237 feet

CARGO LOADING EMISSION CALCULATIONS

A) UNCONTROLLED LOADING

Crude Oil Cargos

The three following procedures are taken from API Publication 2514A Second Edition, September 1981 and are described on pp 1-3 of that document as "Correlations for Estimating Emissions from Loading and Ballasting of Crude Oil Tankers".

1. Cargos with no vapor pressure data available:

   If information on the prior cargo and compartment status during ballast voyage as well as volatility of the crude of which the Owner/Operater loaded is unknown, the following emission factors shall be used.

   All vessels: 1.0 pounds of VOC per 1,000 gallons of liquid transferred.
2. For crude oil cargos with vapor pressure greater than 1.5 psia:

   a) When the prior cargo or arrival condition of the vessel is unknown and the volatility of the crude oil, which the Owner/Operator loaded is known, an arrival emission factor, Ea, of .86 lb/1,000 gallon loaded will be used. Generated emission shall be calculated as:

      Eg = 1.84 x (0.44 x (TVP) - 0.42) x MxG/T
      where:
      Eg = generated emission, lb/1,000 gallon
      TVP= true vapor pressure of loaded crude oil, psia
      M = molecular weight of vapor, use 58 lb/lb-mole
      G = vapor growth factor, use 1.02
      T = loading temperature, Rankine

VI. Permit Conditions

Total emission shall be calculated as:
Et = Ea + Eg
where:
Et = total loading emission, lb/1,000 gallon
Ea = arrival component
Eg = generated component

b) If adequate information is available about a specific previous cargo the following calculation procedures shall be used. These procedures require a characterization of the previous cargo as either "volatile" or "non-volatile" at loading conditions. "Volatile" has been defined as having a true vapor pressure at loading conditions in excess of 1.5 psia. Any crude stream that has a flash point in excess of 130F or initial boiling point excess of 302F shall be deemed to be "non-volatile" at loading conditions. The Owner/Operator shall be permitted to determine that crude oils not meeting this test are "non-volatile" by any of the three procedures described below:

i. The ship owner or charterer may inform the Owner/Operator in writing of the true vapor pressure at loading conditions, that the true vapor pressure did not exceed 1.5 psia, or of the Reid Vapor Pressure and loading temperature; or

ii. The vessel owner, charterer or prior load terminal operator may inform the Owner/Operator of the identity of the crude stream in the prior load. The crude stream may be characterized by reference to typical samples of assays of such streams along with the prior loading temperature to determine the true vapor pressure; or

iii. The ship owner, charterer, or terminal operator for the prior load may provide assay data or samples to determine Reid Vapor Pressure. Data for loading conditions from a knowledgeable source shall be used to determine true vapor pressure at loading conditions.

Emissions from loading shall be calculated as:

Et = Ea + Eg
where:
Et = total loading emission, lb/1,000 gallon
Ea = arrival component
Eg = generated component

Arrival Emission Factor, lb/1000 gallon

Previous Cargo	Condition of Compartment	Arrival Emission factor
Non-Volatile	Any	0.33
Volatile	Washed or Gas Freed	0.33

VI. Permit Conditions

Volatile	Ballasted	0.46
Volatile	Uncleaned	0.86

If the prior cargo is unknown, it shall be assumed to be volatile. If the condition of the compartment is unknown, it shall be assumed to be uncleaned.

Eg = 1.84 x (0.44 x (TVP) - 0.42) x MxG/T
where:

Eg = generated emission, lb/1,000 gallon
TVP= true vapor pressure of loaded crude oil, psia
M = molecular weight of vapor, use 58 lb/lb-mole
G = vapor growth factor, use 1.02
T = loading temperature, Rankine

3. For crude oil Cargos with true vapor pressure less than 1.5 psia, emissions from loading non-volatile crude oils shall be calculated as:

Et = Ea + Eg
where:
Et = Total loading emission, lb/1,000 gallon
Ea = Arrival Emission
Eg = Generated Emissions
Ea = 12.46 SPaM/T
Eg = 12.46 SPgM/T
Where:
S = 0.2 for ships and ocean barges 0.5 for barges
Pa = True vapor pressure of prior cargo, psia = zero if tank has been water washed or gas freed = 0.75 psia if no data available.
Pg = true vapor pressure of crude oil loaded, psia
M = molecular weight or vapors, use 58 lb/lb-mole
T = loading temperature, Rankine

Gasoline Cargos

1. If information on the vessels' prior cargo and ballast voyage treatment is unknown the following emission factors shall be used.

	Total Loading Emission lb/1,000 gallon
Gasoline - Tanker/Ocean Barges	2.6
Gasoline – Barges	3.9

Note: Ocean barges are assumed to have a capacity greater than 100,000 bbls.

VI. Permit Conditions

2. If adequate information is available, the following loading factors shall be used:

			Total Loading Emissions (lbs VOC/1,000 bbl loaded)		
Type of Vessel	Prior Cargo	Condition of Compartment	minimum ullage less than 10ft	minimum ullage between 10&20ft	minimum ullage more than 20ft
Tanker/Ocean Barge	Volatile	Uncleaned	109.2	94.5	79.8
		Ballasted	71.4	56.7	42.0
		Cleaned (washed)	63.0	48.3	33.6
		Gas Freed	29.4	4.7	0.0
	Non-Volatile	All	29.4	14.7	0.0
Barge less than 100,000 barrels capacity					
	Volatile	Uncleaned	163.8	163.8	163.8
		Ballasted	84.0	84.0	84.0
		Cleaned (washed)	84.0	84.0	84.0
		Gas Freed	84.0	84.0	84.0
	Non-Volatile	All	84.0	84.0	84.0

Volatile liquid is any hydrocarbon liquid with a true vapor pressure greater than 1.5 psia.

An Uncleaned compartment has had no treatment of any kind except routine heel washing.

A Ballasted compartment is an uncleaned cargo compartment that has been loaded with ballast water.

A cleaned compartment has been water washed.

A gas-freed compartment has been cleaned and airblown, such that the compartment is suitable for entry and hot work (such as welding).

Distillate Fuels

1. If adequate information on the vessel's prior cargo and ballast voyage treatment is available, the following emission factors shall be used to calculate emissions from loading diesel fuel and kerosene based jet fuels:

VI. Permit Conditions

Total Loading Emissions
(lbs VOC/1,000 bbl loaded)

Type of Vessel	Prior Cargo	Condition of Compartment	Emission Factor
Tanker/Ocean Barge	Volatile	Uncleaned	79.8
		Ballasted	42.0
		Cleaned (washed)	33.6
		Gas Freed	0.0
	Non-Volatile	All	0.0
Barge less than 100,000 barrels capacity			
	Volatile	Uncleaned	163.8
		Ballasted	84.0
		Cleaned (washed)	84.0
		Gas Freed	0.0
	Non-Volatile	All	0.0

Volatile liquid is any hydrocarbon liquid with a true vapor pressure greater than 1.5 psia.

Definitions for compartment condition are the same as set forth above under gasoline cargos.

2. If any of the information necessary to ascertain the prior cargo or compartment condition of the vessels being loaded is unknown, the applicable worst-case assumption from the table above shall be used.

Other Volatile Cargos

Volatile organic compounds, other than gasoline or volatile crude oil, may be loaded at the terminal. Emissions from loading those materials shall be calculated as follows:

Et = 12.46 SPM/T
where:

Et = Total loading emission, lb/1,000 gallon loaded
S = 0.2 for ships and ocean barges 0.5 for barges
P = True vapor pressure of prior cargo, psia
M = molecular weight of vapors, use 58 lb/lb-mole
T = loading temperature, Rankine

VI. Permit Conditions

For naphtha-based jet fuels, P will depend on the type of product (see AP-42, Table 4.3.2, Physical Properties of Typical Organic Liquids)

For other volatile organic liquids, the Owner/Operator shall obtain the data.

Volatile liquid is any hydrocarbon liquid with a true vapor pressure greater than 1.5 psia.

Fuel Oil and Other Non-Volatile Cargos

Non-volatile organic materials other than non-volatile crude oils and distillate fuels may be loaded at the terminal.

1. If adequate information on the vessel's prior cargo and ballast voyage treatment is available, the Owner/Operator shall use the following emission factors to calculate emissions from the loading of fuel oil and other non-volatile cargos:

Total Loading Emissions
(lbs VOC/1000 bbl loaded)

Prior Cargo:	Crude Oil		Gasoline/ Other Volatile Organics	Diesel/ Kero Jet Fuel	Fuel Oil Other Non-Volatile Organics
	Volatile	Non-Volatile			
Condition of Compartment					
Uncleaned	30.7	11.8	79.8	0	0
Ballasted	16.4	11.8	42.0	0	0
Water Washed	11.8	11.8	33.6	0	0
Gas Freed	0	0	0	0	0

Volatile liquid is any hydrocarbon liquid with a true vapor pressure greater than 0.5 psia.

Definitions for compartment condition are the same as set forth above under gasoline cargos

2. If any of the information necessary to ascertain the prior cargo of compartment condition of the vessels being loaded is unknown, the applicable worst-case assumption from the table above shall be used.

B) CONTROLLED LOADING

For all cargos carried on vessels for which vapor emissions during loading are controlled either by connection to the onshore vapor recovery system or by use of onboard vapor

VI. Permit Conditions

processing equipment the emissions after control shall be based on the uncontrolled emissions level modified by a factor representing redaction. Such factors shall be determined by source tests, approved by the APCO, and shall reflect operating characteristics of the actual vapor control equipment.

a + BEt

where:

a = a constant independent of the cargo loaded or uncontrolled loading emissions.
b = a constant
Et = uncontrolled level of loading emissions

BALLASTING EMISSION CALCULATIONS

Gasoline and Gasoline Components
1.6 lb/1,000 gallons unsegregated ballast water

Unsegregated Ballast Volume M-gallons =
42 x 7.5 x MDWT x (.15 - % segregate ballast/100)

MDWT = ship's displacement in thousands of dead-weight tons

CARGO PUMPING EMISSIONS

Emissions (lbs) = factor x (volume of cargo offloaded, Mbbls)

	Factor lb/Mbbls	
Ship Size	Organic	NOx
For Steam Vessels	0.09	0.67
For Other Vessels	0.09	1.08
For Barges	0.39	1.08

SOx emissions for cargo pumping shall be calculated as shown in Schedule E.

TRANSIT EMISSION CALCULATIONS

Ship Type

Ship Size	Fuel Consumption Gal/hr	Total Fuel Used 9 hrs Transit	Part	Emissions During 9 hrs Transit & Maneuvering Org	NOx	CO
20	210	1890	35.9	5.9	91.1	5.0
20- 29	341	3069	58.3	9.5	147.9	8.0

VI. Permit Conditions

30- 39	394	3546	67.4	11.0	170.9	9.3
40- 49	459	4131	78.5	12.8	199.1	10.8
50- 59	630	4959	94.2	15.4	239.0	13.0
60- 79	761	5670	107.7	17.6	273.3	14.9
80- 99	840	6849	130.1	21.2	330.1	17.9
100-139	906	7560	143.6	23.4	364.4	19.8
Motor						
20	105	945	18.9	31.0	355.3	53.8
20- 29	236	2124	42.5	69.7	779.5	120.9
30- 39	289	2600	52	85.3	954.2	147.9
40- 49	341	3070	61.4	100.7	1126.7	174.7
50- 59	354	3190	63.8	104.6	1170.7	181.5
60- 79	394	3546	70.9	116.3	1301.4	201.8
80- 99	405	4131	82.6	135.5	1516.1	235.1
100-139	551	4959	99.2	162.7	1819.9	282.2

SOx emissions for ship transit shall be calculated according to the procedures specified in Schedule E.

Ships calling at Bay Area Locations other than Pacific Atlantic Terminals during the same trip shall be charged only one half of the transit emissions from the above tables.

HOTELLING EMISSION CALCULATIONS

Emission = factor x hours at dock

	Factor lb/hr	
Ship Size	Organic	NOx
less than 60 MDWT	.13	1.53
greater than 60 MDWT	.27	3.06
For Motor Vessels and Others		
less than 70 MDWT	.22	2.28
greater than 70 MDWT	.44	4.57
for barges, all sizes	0	0

SOx emission for hotelling shall be calculated as shown in Schedule E.

TUG EMISSION CALCULATIONS

For ships, Emission = factor x for all vessel calls

VI. Permit Conditions

For barges, Emissions = factor for barges calling at other Bay Area Location
= factor x2, for barges calling only at the Pacific Atlantic Terminals

	Factor lb/call		
Ship	Organic	NOx	SOx
less than 50 MDWT	3.41	150	18.6
greater than 50 MDWT	6.81	299	37.2
Barges			
less than 100,000 barrels capacity	5.11	224	27.9
greater than 100,000 barrels capacity (Ocean Barges)	10.22	449	55.8

SCHEDULE E

Sulfur emissions will be based on the actual sulfur content fuels burned where possible. The Owner/Operator shall have three alternative procedures available for establishing the sulfur content of fuels. First, the Owner/Operator may provide fuel of known sulfur content to the ship. Second, the Owner/Operator may sample the ship's fuel for analysis by an outside laboratory qualified to perform Sulfur analyses on marine fuels. Third, in the absence of either of the two procedures mentioned above, assumed values below shall be used.

If the Owner/Operator elects to provide low sulfur fuel to a particular ship, a certified fuel analysis of the Sulfur content shall be used to establish SO2 emissions. The terminal manager shall instruct the ship's captain or his designated to burn only that fuel while within the District waters. The amount of fuel provided shall be adequate to fuel all the ship's requirements for hotelling, pumping and transit. A sample of the fuel provided shall be retained by the Owner/Operator for District analysis until at least 90 days following delivery of the quarterly report including that particular ship call. Records of the quantity of fuel provided, sulfur content, and burning instructions shall be retained by Permit for at least five year following the ship call.

If the Owner/Operator elects to sample the fuel from a particular ship, such sample shall be gathered by the ship's personnel and delivered to the Owner/Operator. This sample shall contain at least one-quart volume. After analysis the remaining portion of the samples shall be retained at the terminal and made available to the district for their independent analysis. All such samples shall be retained for at least 90 days following delivery of the quarterly report to the District. Samples for a calendar quarter may be combined by blending thoroughly equal parts of each sample gathered for each type of ship, that is one composite sample for steam ships and one composite sample for motor and other ships. At the Owner/Operator's option, each ship sample may be analyzed

VI. Permit Conditions

separately. An independent laboratory shall analyze such samples and the results of those analyses shall be used to establish sulfur emissions. The Owner/Operator shall report to the Director of Enforcement of the District results of all analyses performed. Any failure by the Owner/Operator to report the sulfur analyses will subject them to an appropriate enforcement action.

If the Owner/Operator neither samples the fuel from any given ship, nor provides fuel to the ship, the sulfur content of that fuel shall be assumed to be 3.34% in the case of steam ships, or 1.5% in the case of motor ships and other ships. In the event that the Owner/Operator samples and cause to be analyzed fuels from at least 66.67% of all ships calling at terminal in a calendar year to which fuel was not provided, the weighted average of sample results may be used in the following calendar year in lieu of the assumed sulfur values described in the preceding paragraph. In calculating the weighted average, each analysis shall be weighted by the number of ships represented by that analysis, i.e., one if the sample was an individual ship sample or more than one if the sample was composite sample. The results of such analyses are subject to verification by the District and samples shall be available upon demand for that purpose. If the Owner/Operator samples and reports fewer than 66.67% of all ships to which fuel was not provided in a given calendar year, the assumptions for the following year shall be 3.34% for steam ships and 1.5% for motor and other ships. [Basis: Reg. 9-1-303]

TRANSIT EMISSION CALCULATIONS

Emissions per call = factor x fuel sulfur index
(for vessels calling at other Bay Area locations)

Emissions per call = factor x fuel sulfur index x 2
(for vessels calling only at Terminal)

Factors

Ship size	MDWT	Steam Vessels	Motor & Other
less than	30	244	75
	30-40	282	169
	40-50	328	207
	50-60	394	244
More than	60	451	254

CARGO PUMPING EMISSION CALCULATIONS

Sulfur oxide emissions for offloading cargos from marine vessels to shore tanks shall be calculated as follows:

VI. Permit Conditions

$$\text{Emissions} = \frac{\text{fuel sulfur index}}{3.34} \times \frac{315 \text{ lb SO2}}{\text{M gal fuel}} \times \frac{32 \text{ lb S}}{64 \text{ lb SO2}}$$

HOTELLING EMISSION CALCULATIONS

Barges have no hotelling emissions.

Hotelling emissions will be calculated for ship as follows:

Emissions = R-factor x Hotelling time (hours) x R-Fuel Sulfur Index + D-factor x Hotelling time x D-Fuel Sulfur Index
Hotelling time = Hours from time the vessel is secure at the wharf until the time the last line is cast off.

Factors are as follows:

	Steam Ships		Motor & Other	
Ship size,MDWT	R-Factor	D-Factor	R-Factor	D-Factor
less than 60	6.68	0.0	6.68	3.34
60-70	13.36	0.0	6.68	3.34
Greater Than 70	13.36	0.1	13.36	6.68

IV MARINE VESSEL LOADING VAPOR COMBUSTION UNIT (A-1)

1. Deleted, startup source test.

2. The Owner/Operator shall perform necessary source tests to establish a specific range of combustion zone temperatures which will ensure that the emissions of precursor organic compounds are reduced at least 95% by weight from uncontrolled conditions, or that the POC emissions do not exceed 2 lbs per 1000 barrels loaded. [Basis: Cumulative Increase]

3. The Owner/Operator shall install instrumentation to continuously monitor and record the following: [Basis: Cumulative Increase]

   a. Static pressure developed in the marine tank vessel; and

   b. Oxidizer exhaust temperature.

4. The Owner/Operator shall calculate uncontrolled emissions as specified in Schedule D of the Permit Conditions established as part of application number 31329, and use a 95% (by weight) reduction factor to determine controlled emissions. The overall collection and control efficiency, as determined by source test, may be used in lieu of

VI. Permit Conditions

the 95% factor for determining controlled emissions. [Basis: Cumulative Increase]

5. Deleted, startup monitoring plan.

6. The Owner/Operator shall not load or permit the loading of a regulated organic liquid, as defined in Regulation 8, Rule 44, Section 222, into a marine tank vessel within the District whenever the marine vapor recovery system is not fully operational, except for operations specifically exempt from Regulation 8, Rule 44. The vapor recovery system shall be maintained to be leak free, gas tight, and in good working order. For the purposes of this condition, "fully operational" shall mean the system is achieving the reductions required by Part No. 2 above. [Basis: Cumulative Increase]

7. The Owner/Operator shall maintain the Thermal Oxidizer (A-1) minimum incinerator temperature of at least 1400^{o}F. The vapor recovery system is not “fully operational” at any lower temperature. This minimum temperature may be adjusted by the District if source test data demonstrate that an another minimum incinerator temperature is necessary for, or capable of, maintaining compliance with Part No. 2 above. [Basis: Reg. 2-1-403]

   The Owner/Operator may conduct a source test for the purpose of lowering the minimum temperature requirement provided that the following has occurred:
   a. The facility has applied to the Engineering Division for a change of conditions.
   b. The Source Test Section was notified at least seven days prior to testing and the test protocol was deemed acceptable.
   c. The results of the test demonstrate that A-1 is capable of meeting the emission factor limits imposed in Part No. 2 for POC at the lower operating temperature. [Basis: Reg. 2-1-403]

8. The Owner/Operator shall conduct a leak test on all vessels loading under positive pressure prior to loading more than 20% of the cargo. The leak test is not intended to impede the loading of a gas-tight tank vessel. The leak test shall include all vessel relief valves, hatch covers, gauging connections, and vapor recovery hose connections. Leak test results shall be retained at the facility and summarized in the quarterly reporting. Detailed leak test results shall be retained for 5 years from the date of the test and made available to District staff upon request. [Basis: Regulation 8, Rule 44]

9. The Owner/Operator shall not exceed a loading pressure greater than 80% of the lowest relief valve set pressure, including vessel relief valves, while loading a controlled marine vessel. [Basis: Cumulative Increase]

10. The Owner/Operator shall keep all maintenance records required for the vapor recovery system at this facility, which are subject to Regulation 8, Rule 44, shall be kept on site for five years and made available to the District upon request. [Basis:

VI. Permit Conditions

Regulation 2, Rule 1, Section 403]

11. The Owner/Operator shall conduct the District approved source test at A-1 on an annual basis to verify compliance with all applicable requirements specified in Part 2. The Owner/Operator of A-1 shall submit the source test report to the District within 30 days of the test. The result shall be kept on site for five years and made available to the District upon request. [Basis: Cumulative Increase]

COND# 13720
S-73, DIRECT FIRED HEATER

1. The Owner/Operator shall not exceed 90 million standard cubic feet (scf) of natural gas usage at S-73 in any consecutive 12-month period. [Basis: Cumulative Increase]

2. The Owner/Operator of S-73 shall not exceed 20 ppmv of NOx concentrations @ 3% O2 as determined using District Source Test Method 13 A or B. [Basis: BACT]

3. The Owner/Operator of S-73 shall not exceed 50 ppmv of CO concentrations @ 3% O2 as determined using District Source Test Method 6. [Basis: BACT]

4. The Owner/Operator of S-73 shall use natural gas exclusively. [Basis: BACT]

5. Within 30 days of startup, the Owner/Operator shall conduct an initial District approved source test, and annually thereafter, in order to determine compliance with parts 2, 3, Regulation 9-7-301.1 and Regulation 9-7-301.2. All source testing shall be performed in accordance with the District's Manual of Procedures. The facility shall receive approval from the District's Source Test Manager for installation of test ports and source testing procedures. The results shall be delivered to the Director of Enforcement of the District no later than 30 days from the date of the source test. [Basis: Regulation 9, Rule 7]

6. The Owner/Operator shall use a non-resettable natural gas flow meter in order to demonstrate compliance with part #1. Natural gas usage shall be recorded in a District approved monthly log and retained for at least 5 years from the date of entry. This log shall be kept on site and made available to District staff upon request. [Basis: Regulation 2, Rule 1, Section 403]

7. Deleted. [Fuel Oil no longer used as fuel at S-73]

COND# 19308
S-74 and S-75, EMERGENCY DIESEL GENERATORS

VI. Permit Conditions

1. The Owner/Operator shall operate S-74 and S-75, stationary emergency standby engines, 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 for each engine.

   (Basis: "Stationary Diesel Engine ATCM," 17 CCR sec. 93115(e)(2)(A)3)

2. The Owner/Operator shall equip the emergency standby engine(s) with 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," 17 CCR sec. 93115(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 shall be made available to the District staff immediately 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," 17 CCR sec. 93115(e)(4)(I); Regulation 1-441, Toxics)

COND# 20060
S-76, S-77 and S-78 INTERNAL FLOATING ROOF TANKS

1. The Owner/Operator shall not load more than 105 million gallons of gasoline or other hydrocarbon liquids into each storage tank (S-76, or S-77, or S-78) in any

VI. Permit Conditions

consecutive 12-month period. [Basis: Cumulative Increase]

2. The Owner/Operator shall not load more than 4.2 million gallons of gasoline or other hydrocarbon liquids into each storage tank (S-76, or S-77, or S-78) during any calendar day. [Basis: Cumulative Increase]

*3. 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-76, S-77 and S-78 shall not exceed 1.8 % by weight. The owner/operator of sources S-76, S-77 and S-78 shall analyze all materials stored in each of these tanks for 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 hydrocarbon 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 5 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: TRMP]

4. The Owner/Operator shall inspect and maintain all new valves and flanges associated with S-76 through S-78 according to the criteria of District Regulation 8, Rule 18 and any future revisions to this rule. [Basis: Regulation 8, Rule 18]

5. The Owner/Operator shall ensure that Sources S-76, S-77 and S-78 meet all applicable requirements of District Regulation 8, Rule 5 and NSPS, 40 CFR 60, Subpart Kb. [Basis: Regulation 8, Rule 5, NSPS]

6. In order to demonstrate compliance with the above conditions, the Owner/Operator of tanks S-76, S-7, and S-78 shall maintain the following records in a District approved log. These records shall be kept on site and made available for District inspection for a period of five years from the date that the record was made. [Basis: Cumulative Increase, TRMP]
   a. The type and VOC content of all materials stored and the dates that the materials were stored.
   b. The total daily throughput of each material stored, summarized on a monthly and annual basis.

COND# 21829
S-79 and S-80 INTERNAL FLOATING ROOF TANKS

1. The owner/operator of S-79 and S-80 shall not exceed 403,200,000 gallons of material throughput during any consecutive 12 month period. [Basis: Cumulative Increase]

2. The Owner/Operator shall store only gasoline, diesel and jet fuel in S-79 and S-80.

VI. Permit Conditions

[Basis: Cumulative Increase]

a. A liquid other than those specified above may be stored in S-79 and S-80, provided that both of the following criteria are met:

i. POC emissions, based on the maximum throughput Part 1, do not exceed 8,558 pounds per year

ii. Toxics emissions in pound per year, based on the maximum throughput in Part 1, do not exceed any risk screening trigger level.

3. The Owner/Operator shall equip Sources S-79 and S-80 with a liquid mounted primary seal and a zero-gap secondary seal. There shall be no ungasketed roof fittings. Except for roof legs and guide poles/wells, each roof fitting shall be of the design, which yields the minimum roof fitting losses (per EPA Compilation of Air Pollution Emission Factors, AP-42, Supplement E, Section 12.3.2, Table 12.3-11). The following list indicates the type of control required for a variety of typical roof fittings. Control techniques for roof fittings not included in this list shall be subject to District approval, prior to installing the roof on the tank.

Fitting Type	*Control Technique*
Access hatch	Bolted cover, gasketed
Guide pole / Well	Unslotted guide pole, gasketed sliding cover, or Slotted with controls per API 2517 Addendum (See Note 1)
Gauge float well	Bolted cover, gasketed
Gauge hatch / Sample well	Weighted mechanical actuation, gasketed
Vacuum breaker	Weighted mechanical actuation, gasketed
Roof drain	Roof drain does not drain water into product
Roof leg	Fixed or adjustable with vapor seal boot or gasket between roof leg and leg sleeve
Rim vent	Weighted mechanical actuation, gasketed

Note 1: Slotted Guide Pole Control Configuration, per Addendum to API Publication 2517, May 1994, shall include the following components:

VI. Permit Conditions

a. Sliding cover.
b. Well gasket.
c. Pole sleeve with pole wiper approximately 6 inches above sliding cover, or District approved equivalent.
d. Float with float wiper approximately 1 inch above the sliding cover, or alternately a float with multiple wipers.
(Basis: BACT)

*4. 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-79, and S-80 shall not exceed 1.4 % by weight. The Owner/Operator of sources S-79, and S-80 shall analyze gasoline stored in each of these tanks for 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 hydrocarbon 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 5 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]

5. The Owner/Operator shall inspect and maintain all new valves and flanges associated with projects-79 and S-80 according to the criteria of District Regulation 8, Rule 18, and any future revisions to this rule. [Basis: Regulation 8, Rule 18]

6. Deleted. Truck Loading Rack S-20 removed from service.

7. In order to demonstrate compliance with the above conditions, the Owner/Operator of tanks S-79, and S-80 shall maintain the following records in a District approved log. These records shall be kept on site and made available for District inspection for a period of at least five years from the date that the record was made. [Basis: Cumulative Increase]
   a. The type and VOC content of all materials stored and the dates that the materials were stored.
   b. The total daily throughput of each material stored, summarized on a monthly and annual basis.

COND# 22788
S-81, S-82 and S-83 INTERNAL FLOATING ROOF TANKS

1. The owner/operator of S-81, S-82 and S-83 shall not exceed 453,600,000 gallons of non-exempt organic (defined in Regulation 2-1-123) throughput during any consecutive 12 month period. [Basis: Cumulative Increase]

2. The Owner/Operator shall store only gasoline, diesel and jet fuel in S-81, S-82 and S-

VI. Permit Conditions

83. [Basis: Cumulative Increase]

a. A liquid other than those specified above may be stored in S-81, S-82 and S-83, provided that both of the following criteria are met:

i. POC emissions, based on the maximum throughput Part 1, do not exceed 13,591 pounds per year

ii. Toxics emissions in pounds per year, based on the maximum throughput in Part 1, do not exceed any risk screening trigger level.

3. The Owner/Operator shall equip Sources S-81, S-82 and S-83 with a metallic shoe primary seal and a zero-gap secondary seal. There shall be no ungasketed roof fittings. Except for roof legs and guide poles/wells, each roof fitting shall be of the design, which yields the minimum roof fitting losses (per EPA Compilation of Air Pollution Emission Factors, AP-42, Supplement E, Section 12.3.2, Table 12.3-11). The following list indicates the type of control required for a variety of typical roof fittings. Control techniques for roof fittings not included in this list shall be subject to District approval, prior to installing the roof on the tank.

Fitting Type	*Control Technique*
Access hatch	Bolted cover, gasketed
Guide pole / Well	Unslotted guide pole, gasketed sliding cover, or Slotted with controls per API 2517 Addendum (See Note 1)
Gauge float well	Bolted cover, gasketed
Gauge hatch / Sample well	Weighted mechanical actuation, gasketed
Vacuum breaker	Weighted mechanical actuation, gasketed
Roof drain	Roof drain does not drain water into product
Roof leg	Fixed or adjustable with vapor seal boot or gasket between roof leg and leg sleeve
Rim vent	Weighted mechanical actuation, gasketed

Note 1: Slotted Guide Pole Control Configuration, per Addendum to API Publication 2517, May 1994, shall include the following components:

VI. Permit Conditions

a. Sliding cover.
b. Well gasket.
c. Deleted 11/9/06.
d. Float with float wiper approximately 1 inch above the sliding cover, or alternately a float with multiple wipers.

(Basis: BACT)

*4. The maximum vapor benzene concentration in all hydrocarbon liquids stored in Storage Tanks S-81, S-82 and S-83 shall not exceed 1.4 % by weight. The Owner/Operator of sources S-81, S-82 and S-83 shall analyze gasoline stored in each of these tanks for 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 hydrocarbon 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 5 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]

5. The Owner/Operator shall inspect and maintain all new valves, flanges and pumps associated with this project according to the criteria of District Regulation 8-18 and any future revisions to this rule. [Basis: Reg. 8-18]

6. Deleted. Truck Loading Rack S-20 removed from service.

7. In order to demonstrate compliance with the above conditions, the Owner/Operator of tanks S-81, S-82 and S-83 shall maintain the following records in a District approved log. These records shall be kept on site and made available for District inspection for a period of at least five years from the date that the record was made. [Basis: Record keeping]
   a. The type and VOC content of all materials stored and the dates that the materials were stored.
   b. The total daily throughput of each material stored, summarized on a monthly and annual basis.

COND# 23338

S-84, S-85, S-86, S-87, S-88, S-89 and S-90 INTERNAL FLOATING ROOF TANKS

1. The owner/operator of S-84 through S-90 shall not exceed 856,800,000 gallons of non-exempt organic (defined in Regulation 2-1-123) throughput during any consecutive 12 month period. [Basis: Cumulative Increase]

2. The Owner/Operator shall store only gasoline, diesel and jet fuel in S-84 through S-90. [Basis: Cumulative Increase]
   a. A liquid other than those specified above may be stored in S-84 through S-90, provided that both of the following criteria are met:

VI. Permit Conditions

i. POC emissions, based on the maximum throughput Part 1, do not exceed 33,178 pounds per year
ii. Toxics emissions in pound per year, based on the maximum throughput in Part 1, do not exceed any risk screening trigger level.

3. The Owner/Operator shall equip Sources S-84 through S-90 with a metallic shoe primary seal and a zero-gap secondary seal. There shall be no ungasketed roof fittings. Except for roof legs and guide poles/wells, each roof fitting shall be of the design, which yields the minimum roof fitting losses (per EPA Compilation of Air Pollution Emission Factors, AP-42, Supplement E, Section 12.3.2, Table 12.3-11). The following list indicates the type of control required for a variety of typical roof fittings. Control techniques for roof fittings not included in this list shall be subject to District approval, prior to installing the roof on the tank.

Fitting Type	*Control Technique*
Access hatch	Bolted cover, gasketed
Guide pole / Well	Unslotted guide pole, gasketed sliding cover, or Slotted with controls per API 2517 Addendum (See Note 1)
Gauge float well	Bolted cover, gasketed
Gauge hatch / Sample well	Weighted mechanical actuation, gasketed
Vacuum breaker	Weighted mechanical actuation, gasketed
Roof drain	Roof drain does not drain water into product
Roof leg	Fixed or adjustable with vapor seal boot or gasket between roof leg and leg sleeve
Rim vent	Weighted mechanical actuation, gasketed

Note 1: Slotted Guide Pole Control Configuration, per Addendum to API Publication 2517, May 1994, shall include the following components:

a. Sliding cover.
b. Well gasket.
c. Float with float wiper approximately 1 inch above the sliding cover, or alternately a float with multiple wipers.

(Basis: BACT)

VI. Permit Conditions

*4. The maximum vapor benzene concentration in all hydrocarbon liquids stored in Storage Tanks S-84 through S-90 shall not exceed 1.4 % by weight. The Owner/Operator of sources S-84 through S-90 shall analyze gasoline stored in each of these tanks for 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 hydrocarbon 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 5 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]

5. The Owner/Operator shall inspect and maintain all new valves, flanges and pumps associated with this project according to the criteria of District Regulation 8-18 and any future revisions to this rule. [Basis: Reg. 8-18]

6. Deleted. Truck Loading Rack S-20 removed from service.

7. In order to demonstrate compliance with the above conditions, the Owner/Operator of tanks S-84 through S-90 shall maintain the following records in a District approved log. These records shall be kept on site and made available for District inspection for a period of at least five years from the date that the record was made. [Basis: Record keeping]
   a. The type and VOC content of all materials stored and the dates that the materials were stored.
   b. The total daily throughput of each material stored, summarized on a monthly and annual basis.

VII. APPLICABLE LIMITS & COMPLIANCE MONITORING REQUIREMENTS

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

Table VII - A
Applicable Limits and Compliance Monitoring Requirements
S-1 THROUGH S-10 - FIXED ROOF TANKS

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	BAAQMD 8-5-303.1	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		Controlled ≥ 95% weight	BAAQMD Condition # 1253, part IV, Section 3b	C/A	Continuous Temperature Monitor and Source Test
POC	BAAQMD 8-5-328.1.2	Y		Tank cleaning ≥ 90% control, POC concentration < 10,000 ppm	BAAQMD 8-5-502	P/A	Source Test
POC	Subpart K 40 CFR 60.112(a) (1)	Y		Vapor Recovery System	Subpart K 40 CFR 60.113(d) (2)	None	None

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - A
Applicable Limits and Compliance Monitoring Requirements
S-1 THROUGH S-10 - FIXED ROOF TANKS

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	BAAQMD Condition # 1253, part IB	Y		94.811 tpy for all sources	BAAQMD Condition # 1253, part IIID	P/A	Records
POC	BAAQMD Condition # 1253, part IIID	Y		1.44 pounds/1000 barrels	BAAQMD Condition # 1253, part IV, Section 3	C/A	Continuous Temperature monitor and Source Test
Temper-ature limit	BAAQMD Condition # 1253, part IID	Y		1400^{o} F. in outlet or as determined by source test	BAAQMD Condition # 1253, part IV Section 3	C	Temperature monitoring

Table VII - B
Applicable Limits and Compliance Monitoring Requirements
S-11 - FIXED ROOF TANKS

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	BAAQMD 8-5-303.1	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 Condition # 1253, part IB	Y		94.811 tpy for all sources	BAAQMD Condition # 1253, part IIID	P/A	Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - B
Applicable Limits and Compliance Monitoring Requirements
S-11 - FIXED ROOF TANKS

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Temper-ature limit	BAAQMD Condition # 1253, part IID	Y		1400^{o} F. in outlet or as determined by source test	BAAQMD Condition # 1253, part IV Section 3	C	Temperature monitoring

Table VII - C
Applicable Limits and Compliance Monitoring Requirements
S-12, S-18, AND S-19 - FIXED ROOF TANKS

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	BAAQMD 8-5-303.1	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		Controlled $\geq$ 95% weight	BAAQMD Condition # 1253, part IV, Section 3b	C/A	Continuous Temperature Monitor and Source Test
POC	BAAQMD 8-5-328.1.2	Y		Tank cleaning $\geq$ 90% control, POC concentration < 10,000 ppm	BAAQMD 8-5-502	P/A	Source Test
POC	BAAQMD Condition # 1253, part IB	Y		94.811tpy for all sources	BAAQMD Condition # 1253, part IIID	P/A	Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - C
Applicable Limits and Compliance Monitoring Requirements
S-12, S-18, AND S-19 - FIXED ROOF TANKS

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	BAAQMD Condition # 1253, part IIID	Y		1.44 pounds/1000 barrels	BAAQMD Condition # 1253, part IV, Section 3	C/A	Continuous Temperature monitor and Source Test
NOx	BAAQMD Condition # 1253, part IB	Y		129.5 tpy for all sources	BAAQMD Condition # 1253, part IIID	P/A	Records
NOx	BAAQMD Condition # 1253, part IIID, schedule D	Y		9.68 lb/day plus 0.1744 pounds/1000 barrels	None	None	Source test
CO	BAAQMD Condition # 1253, part IB	Y		52.2 tpy for all sources	BAAQMD Condition # 1253, part IIID	P/A	Records
SO2	BAAQMD Condition # 1253, part IB	Y		83.5 tpy for all sources	BAAQMD Condition # 1253, part IIID	P/A	Records
FP	BAAQMD Condition # 1253, part IB	Y		25.8 tpy for all sources	BAAQMD Condition # 1253, part IIID	P/A	Records
Temper-ature limit	BAAQMD Condition # 1253, part IID	Y		1400^{o} F. in outlet or as determined by source test	BAAQMD Condition # 1253, part IV Section 3	C	Temperature monitoring

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - D
Applicable Limits and Compliance Monitoring Requirements
S-13, S-14, S-15, S-16 – EXTERNAL FLOATING ROOF TANKS

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	BAAQMD 8-5-320.3.1	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 less than 1.3 cm (1/2 in)	BAAQMD 8-5-401.2, 8-5-404	P/twice/yr	Inspection Certification
POC	BAAQMD 8-5-320.5.2	Y		Well with cover gasket, a pole sleeve, pole wiper, and internal float with gap $\leq$ 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 - D
Applicable Limits and Compliance Monitoring Requirements
S-13, S-14, S-15, S-16 – EXTERNAL FLOATING ROOF TANKS

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	BAAQMD 8-5-321.3.2	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) ≤ 10% of circumference and the cumulative length of all seal gaps exceeding 0.32 cm (1/8 in) ≤ 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 easy insertion of probes up to 3.8 cm (1 ½ 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	Subpart K 40 CFR 60.112(a) (1)	Y		Floating Roof requirement	40 CFR 60.113(a),(b), (c)	None	Records
POC	BAAQMD Condition # 1253, part IB	Y		94.811tpy for all sources	BAAQMD Condition # 1253, part IIID	P/A	Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – F
Applicable Limits and Compliance Monitoring Requirements
S-21 – MARINE VESSEL WHARF

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	BAAQMD 8-44-304	N		POC Emission ≤ 5.7 grams per cubic meter (2 lb/1000 barrel) loaded, or emission controlled ≥ 95% wt.	BAAQMD Condition # 1253, part IV, Section 3c	C/A	Continuous Temperature monitor and Source Test
POC	SIP BAAQMD 8-44-301.1	Y		POC Emission ≤ 5.7 grams per cubic meter (2 lb/1000 barrel) loaded, or	BAAQMD Condition # 1253, part IV, Section 3c	C/A	Continuous Temperature monitor and Source Test
POC	SIP BAAQMD 8-44.301.2	Y		Controlled ≥ 95% weight	BAAQMD Condition # 1253, part IV, Section 3c	C/A	Continuous Temperature monitor and Source Test
POC	Subpart Y 40 CFR 63.562(c)(2)(iii)	Y		Vapor tight	40 CFR 63.563(a)(4)	P/A	Leak test
POC	Subpart Y 40 CFR 63.562(c)(3)	Y		RACT existing source, controlled ≥ 98% weight by combustion device	40 CFR 63.563(b)(6)(i)(A), 63.564(a)(3)	C/A	Continuous Temperature monitor and Source Test
POC	Subpart Y 40 CFR 63.562(c)(4)	Y		VOC ≤ 1000 ppmv	40 CFR 63.564(g)(1), BAAQMD Condition # 1253, part IV, Section 3c	C/A	Continuous Temperature monitor and Source Test
POC	BAAQMD Condition # 1253, part IB	Y		94.811tpy for all sources	BAAQMD Condition # 1253, part IIID	P/A	Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – F
Applicable Limits and Compliance Monitoring Requirements
S-21 – MARINE VESSEL WHARF

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	BAAQMD Condition # 1253 part IV, section 2	Y		95% controlled efficiency or 2 lb/ 1000 barrels of gasoline loaded	BAAQMD Condition # 1253, part IV, Section 2	C/A	Continuous Temperature Monitor and Source test
POC	BAAQMD Condition # 1253 part IV, section 7	Y		Minimum operating incinerator temperature of $\geq$ 1400^{o}F. unless modified by the District, based on source test results	BAAQMD Condition # 1253, part IV, Section 3c	C	Continuous temperature monitor
POC	BAAQMD Condition # 1253 part IV, section 9	Y		Loading pressure shall not exceed 80% of the lowest relief valve set pressure	None	None	Inspection
SO2	BAAQMD Regulation 9-1-303	Y		SO2 < 2000 ppm, or Sulfur < 3.34% by weight	BAAQMD Condition # 1253, part IIID, schedule F	P/Q	Analysis reports
Temper-ature limit	BAAQMD Condition # 1253, part IID	Y		1400^{o} F. in outlet or as determined by source test	BAAQMD Condition # 1253, part IV Section 3	C	Temperature monitoring

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - G
Applicable Limits and Compliance Monitoring Requirements
S-23, S-24 – OILY WATER SEPARATORS

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	BAAQMD Condition # 1253, part IB	Y		94.811tpy for all sources	BAAQMD Condition # 1253, part IIID	P/A	Records

Table VII - H
Applicable Limits and Compliance Monitoring Requirements
S-27, AND S-28 - FIXED ROOF TANKS

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	BAAQMD 8-5-303.1	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		Controlled $\geq$ 95% weight	BAAQMD Condition # 1253, part IV, Section 3b	C/A	Continuous Temperature Monitor and Source Test
POC	BAAQMD 8-5-328.1.2	Y		Tank cleaning $\geq$ 90% control, POC concentration < 10,000 ppm	BAAQMD 8-5-502	P/A	Source Test
POC	Subpart Ka 40 CFR 60.112(a)(a)(3)	Y		Controlled $\geq$ 95%	N	N	None

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - H
Applicable Limits and Compliance Monitoring Requirements
S-27, AND S-28 - FIXED ROOF TANKS

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	BAAQMD Condition # 1253, part IB	Y		94.811tpy for all sources	BAAQMD Condition # 1253, part IIID	P/A	Records
POC	BAAQMD Condition # 1253, part IIID	Y		1.44 pounds/1000 barrels	BAAQMD Condition # 1253, part IV, Section 3	C/A	Continuous Temperature monitor and Source Test
NOx	BAAQMD Condition # 1253, part IB	Y		129.5 tpy for all sources	BAAQMD Condition # 1253, part IIID	P/A	Records
NOx	BAAQMD Condition # 1253, part IIID, schedule D	Y		9.68 lb/day plus 0.1744 pounds/1000 barrels	None	C/A	Continuous Temperature monitor and Source test
CO	BAAQMD Condition # 1253, part IB	Y		52.2 tpy for all sources	BAAQMD Condition # 1253, part IIID	P/A	Records
SO2	BAAQMD Condition # 1253, part IB	Y		83.5 tpy for all sources	BAAQMD Condition # 1253, part IIID	P/A	Records
FP	BAAQMD Condition # 1253, part IB	Y		25.8 tpy for all sources	BAAQMD Condition # 1253, part IIID	P/A	Records
Temper-ature limit	BAAQMD Condition # 1253, part IID	Y		1400^{o} F. in outlet or as determined by source test	BAAQMD Condition # 1253, part IV Section 3	C	Temperature monitoring

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - I
Applicable Limits and Compliance Monitoring Requirements
S-73 – DIRECT FIRED HEATER

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Usage	BAAQMD Condition # 13720, part 1	Y		Natural gas ≤ 90 M SCF/ 12 months	BAAQMD Condition # 13720, part 6	P/M	Flow meter
SO2	BAAQMD Regulation 9-1-301	Y		GLC > 0.5 ppm continuously for 3 consecutive minutes or 0.25 ppm averaged over 60 consecutive minutes or 0.05 ppm averaged over 24 hrs	None	N	None
SO2	SIP BAAQMD Regulation 9-1-302	Y		≤ 300 ppm SO2, dry	None	N	None
SO2	SIP BAAQMD Regulation 9-1-304	Y		≤ 0.5% by weight, fuel sulfur concentration	BAAQMD Condition # 13720, part 7	P/E	Sulfur certification or analysis
SO2	BAAQMD Condition # 1253, part IB	Y		83.5 tpy for all sources	BAAQMD Condition # 1253, part IIID	P/A	Records
SO2	BAAQMD Condition # 1253, part IIID, schedule D	Y		0.6 lb/MMcu.ft. of natural gas burned	BAAQMD Condition # 13720, part 7	P/E	Sulfur certification or analysis
NOx	BAAQMD Regulation 9-7-301.1	Y		30 ppmv dry, @ 3% O2	BAAQMD Condition # 13720, part 5	P/A	Source test
NOx	BAAQMD Regulation 9-7-305.1	Y		150 ppmv dry, @ 3% O2	BAAQMD Condition # 13720, part 5	P/A	Source test

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - I
Applicable Limits and Compliance Monitoring Requirements
S-73 – DIRECT FIRED HEATER

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
NOx	BAAQMD Regulation 9-7-306.1	Y		150 ppmv dry, @ 3% O2	BAAQMD Condition # 13720, part 5	P/A	Source test
NOx	BAAQMD Condition # 1253, part IB	Y		129.5 tpy for all sources	BAAQMD Condition # 1253, part IIID	P/A	Records
NOx	BAAQMD Condition # 1253, part IIID, schedule D	Y		100 lb/MMcu.ft. of natural gas burned	BAAQMD Condition # 1253, part IIID	P/A	Records
NOx	BAAQMD Condition # 13720, Part 2	Y		20 ppmv @3% O2	BAAQMD Condition # 13720, part 5	P/A	Source test
CO	BAAQMD Regulation 9-7-301.2	Y		400 ppmv dry, @ 3% O2	BAAQMD Condition # 13720, part 5	P/A	Source test
CO	BAAQMD Regulation 9-7-305.2	Y		400 ppmv dry, @ 3% O2	BAAQMD Condition # 13720, part 5	P/A	Source test
CO	BAAQMD Regulation 9-7-306.2	Y		400 ppmv dry, @ 3% O2	BAAQMD Condition # 13720, part 5	P/A	Source test
CO	BAAQMD Condition # 1253, part IB	Y		52.2 tpy for all sources	BAAQMD Condition # 1253, part IIID	P/A	Records
CO	BAAQMD Condition # 1253, part IIID, schedule D	Y		84 lb/MMcu.ft. of natural gas burned	BAAQMD Condition # 1253, part IIID	P/A	Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - I
Applicable Limits and Compliance Monitoring Requirements
S-73 – DIRECT FIRED HEATER

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
CO	BAAQMD Condition # 13720, part 3	Y		50 ppmv @ 3 % O2	BAAQMD Condition # 13720, part 5	P/A	Source test
POC	BAAQMD Condition # 1253, part IB	Y		94.811tpy for all sources	BAAQMD Condition # 1253, part IIID	P/A	Records
POC	BAAQMD Condition # 1253, part IIID, schedule D	Y		5.5 lb/MMcu.ft. of natural gas burned	BAAQMD Condition # 1253, part IIID	P/A	Records
FP	BAAQMD 6-301	Y		Visible emission must not be dark or darker than Ringelmann No. 1 for a period of more than 3 minutes in any hour	None	N	N
FP	BAAQMD 6-304	Y		During tube cleaning, visible emission must not be dark or darker than Ringelmann No. 2 for a period of more than 6 minutes in 24 hours	None	N	N
FP	BAAQMD 6-310.3	Y		Particulate Matter < 343 mg per dscm (0.15 gr/dscf) @ 6% oxygen volume	None	N	N
FP	BAAQMD Condition # 1253, part IB	Y		25.8 tpy for all sources	BAAQMD Condition # 1253, part IIID	P/A	Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – J
Applicable Limits and Compliance Monitoring Requirements
S-74 AND S-75 EMERGENCY DIESEL GENERATORS

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	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	None
SO_2	BAAQMD Regulation 9-1-304	Y		Fuel Sulfur Limit 0.5%	None	P/M	Vendor Certification
Operating time	BAAQMD Condition # 19308, Part 2	Y		100 hours per year	BAAQMD Condition # 19308, Part 4	P/D	Records
Operating time	ATCM Section 93115, Title 17	Y		If gr/bhp-hr $\geq$0.40 allows 20 hrs/yr; If gr/bhp-hr $\geq$0.15 and $\leq$0.40 allows 21-30 hrs/yr; If gr/bhp-hr $\geq$0.01 and $\leq$0.15 allows 31-50 hrs/yr; If gr/bhp-hr $\leq$0.01 allows 51-100 hrs/yr	ATCM Section 93115, Title 17	P/E	Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – K
Applicable Limits and Compliance Monitoring Requirements
S-76, S-77 AND S-78 - INTERNAL FLOATING ROOF TANKS

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	BAAQMD 8-5-303.1	Y		PSV set within 10% of max pressure or 25.8 mmHg (0.5 psia	BAAQMD 8-5-403 & 8-5-404	P/twice per year at 4 to 8 months interval	Inspection Certification
POC	BAAQMD 8-5-320.3.1	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 8-5-320.3.2	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 measured $\leq$ 1.3 cm (1/2 in)	BAAQMD 8-5-402.3 & 8-5-404	P/twice per year at 4 to 8 months interval	Inspection Certification
POC	BAAQMD 8-5-320.5.2	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
POC	BAAQMD 8-5-320.5.3	Y		Slotted sampling or gauging wells: Gap between well and roof shall be added to gaps measured $\leq$ 1.3 cm (1/2 in)	BAAQMD 8-5-402.2 & 8-5-404	P/twice per year at 4 to 8 months interval	Inspection Certification

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – K
Applicable Limits and Compliance Monitoring Requirements
S-76, S-77 AND S-78 - INTERNAL FLOATING ROOF TANKS

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	BAAQMD 8-5-320.6	Y		Emergency roof drain with slotted membrane fabric cover ≥ 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 minimum 61 cm (24 in) for external floating and 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 – K
Applicable Limits and Compliance Monitoring Requirements
S-76, S-77 AND S-78 - INTERNAL FLOATING ROOF TANKS

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	BAAQMD 8-5-321.3.2	Y		For welded tanks, gap between tank shell and the primary seal < 3.8 cm (1 1/2 in). No continuous gap > 0.32 cm ((1/8 in) shall exceed 10% of circumference. The cumulative length of all seal gaps exceeding 1.3 cm (1/2 in) < 10% of circumference and the cumulative length of all seal gaps exceeding 0.32 cm (1/8 in) < 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 easy insertion of probes up to 3.8 cm (1 ½ 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 – K
Applicable Limits and Compliance Monitoring Requirements
S-76, S-77 AND S-78 - INTERNAL FLOATING ROOF TANKS

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	BAAQMD 8-5-328.1.1	Y		Tank $\geq$ 75 m^3, tank cleaning shall have liquid balancing with $\leq$ 0.5 psia	None	N	None
POC	BAAQMD 8-5-328.1.2	Y		Tank $\geq$ 75 m^3, Tank cleaning 90% control, POC concentration < 10,000 ppm	BAAQMD 8-5-502	P/A	Source Test
POC	Subpart Kb 40 CFR 60.113b (a)(2)	Y		No holes, tears or other openings	40 CFR 60.113b(a) (4)	P/A/ E(emptied and degassed)	Inspection
POC	BAAQMD Condition # 1253, part IB	Y		94.811tpy for all sources	BAAQMD Condition # 1253, part IIID	P/A	Records
POC	BAAQMD Condition # 20060, part 1	Y		Gasoline or other hydrocarbon liquids throughput $\leq$ 105 million gal/yr for S-76, 77 and 78	BAAQMD Condition # 20060, part 6	P/M	Records
POC	BAAQMD Condition # 20060, part 2	Y		Gasoline or other hydrocarbon liquids throughput $\leq$ 4.2 million gal/day for S-76, 77 and 78	BAAQMD # 20060, part 6	P/M	Records
POC	BAAQMD Condition # 20060, part 5	Y		S-76, 77 and 78 shall be abated by liquid mounted primary seal, and rim mounted secondary seal	BAAQMD 8-5-305	C	Install internal floating roof

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – K
Applicable Limits and Compliance Monitoring Requirements
S-76, S-77 AND S-78 - INTERNAL FLOATING ROOF TANKS

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Benzene	BAAQMD Condition # 20060, part 3	N		Benzene concentration ≤ 1.8 % wt.	BAAQMD Condition # 20060, part 3	P/6 months	Sample

Table VII – L
Applicable Limits and Compliance Monitoring Requirements
S-79 AND S-80 - INTERNAL FLOATING ROOF TANKS

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	BAAQMD 8-5-303.1	Y		PSV set within 10% of max pressure or 25.8 mmHg (0.5 psia	BAAQMD 8-5-403 & 8-5-404	P/twice per year at 4 to 8 months interval	Inspection Certification
POC	BAAQMD 8-320.3.1	Y		Gasket cover ≤ 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 ≤ 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

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – L
Applicable Limits and Compliance Monitoring Requirements
S-79 AND S-80 - INTERNAL FLOATING ROOF TANKS

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	BAAQMD 8-5-320.4.3	Y		Solid sampling or gauging wells: Gap between well and roof shall be added to gaps measured ≤ 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 ≤ 1.3 cm (1/2 in)	BAAQMD 8-5-402.2 & 8-5-404	P/twice per year at 4 to 8 months interval	Inspection Certification
POC	BAAQMD 8-5-320.5.3	Y		Slotted sampling or gauging wells: Gap between well and roof shall be added to gaps measured ≤ 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 cover ≥ 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

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – L
Applicable Limits and Compliance Monitoring Requirements
S-79 AND S-80 - INTERNAL FLOATING ROOF TANKS

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	BAAQMD 8-5-321.3	Y		Primary seal metallic shoe extends minimum 61 cm (24 in) for external floating and 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
POC	BAAQMD 8-5-321.3.2	Y		For welded tanks, gap between tank shell and the primary seal ≤ 3.8 cm (1 1/2 in). No continuous gap > 0.32 cm ((1/8 in) shall exceed 10% of circumference. The cumulative length of all seal gaps exceeding 1.3 cm (1/2 in) ≤ 10% of circumference and the cumulative length of all seal gaps exceeding 0.32 cm (1/8 in) ≤ 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	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 – L
Applicable Limits and Compliance Monitoring Requirements
S-79 AND S-80 - INTERNAL FLOATING ROOF TANKS

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	BAAQMD 8-5-322.2	Y		Secondary seal shall allow insertion up to 3.8 cm (1 ½ 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
POC	BAAQMD 8-5-328.1.1	Y		Tank $\geq$ 75 m^3, tank cleaning shall have liquid balancing with $\leq$ 0.5 psia	None	N	None
POC	BAAQMD 8-5-328.1.2	Y		Tank $\geq$ 75 m^3, Tank cleaning 90% control, POC concentration < 10,000 ppm	BAAQMD 8-5-502	P/A	Source Test
POC	Subpart Kb 40 CFR 60.113b (a)(2)	Y		No holes, tears or other openings	40 CFR 60.113b(a)(4)	P/A/ E (emptied and degassed)	Inspection
POC	BAAQMD Condition # 1253, part IB	Y		94.811tpy for all sources	BAAQMD Condition # 1253, part IIID	P/A	Records
POC	BAAQMD Condition # 21829, part 1	Y		Gasoline or other hydrocarbon liquids throughput $\leq$ 403.2 million gal/yr for S-79 and 80	BAAQMD Condition # 21829, part 6	P/M	Records
POC	BAAQMD Condition # 21829, part 2	Y		Gasoline or other hydrocarbon liquids throughput $\leq$ 8,558 lb/yr for S-79 and 80	BAAQMD # 21829, part 6	P/M	Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – L
Applicable Limits and Compliance Monitoring Requirements
S-79 AND S-80 - INTERNAL FLOATING ROOF TANKS

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	BAAQMD Condition # 21829, part 3	Y		S-79 and 80 shall be abated by liquid mounted primary seal, and rim mounted secondary seal	BAAQMD 8-5-305	C	Install internal floating roof
POC	BAAQMD Condition # 21829, part 4	N		Benzene concentration ≤ 1.4 % wt.	BAAQMD Condition # 21829, part 4	P/6 months	Sample

Table VII – M
Applicable Limits and Compliance Monitoring Requirements
S-81, S-82, AND S-83 - INTERNAL FLOATING ROOF TANKS

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	BAAQMD 8-320.3.1	Y		Gasket cover $\underline{\leq}$ 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 $\underline{\leq}$ 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

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – M
Applicable Limits and Compliance Monitoring Requirements
S-81, S-82, AND S-83 - INTERNAL FLOATING ROOF TANKS

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	BAAQMD 8-5-320.4.3	Y		Solid sampling or gauging wells: Gap between well and roof shall be added to gaps measured ≤ 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 ≤ 1.3 cm (1/2 in)	BAAQMD 8-5-402.2 & 8-5-404	P/twice per year at 4 to 8 months interval	Inspection Certification
POC	BAAQMD 8-5-320.5.3	Y		Slotted sampling or gauging wells: Gap between well and roof shall be added to gaps measured ≤ 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 cover ≥ 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

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – M
Applicable Limits and Compliance Monitoring Requirements
S-81, S-82, AND S-83 - INTERNAL FLOATING ROOF TANKS

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	BAAQMD 8-5-321.3	Y		Primary seal metallic shoe extends minimum 61 cm (24 in) for external floating and 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
POC	BAAQMD 8-5-321.3.2	Y		For welded tanks, gap between tank shell and the primary seal ≤ 3.8 cm (1 1/2 in). No continuous gap > 0.32 cm ((1/8 in) shall exceed 10% of circumference. The cumulative length of all seal gaps exceeding 1.3 cm (1/2 in) ≤ 10% of circumference and the cumulative length of all seal gaps exceeding 0.32 cm (1/8 in) ≤ 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	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 – M
Applicable Limits and Compliance Monitoring Requirements
S-81, S-82, AND S-83 - INTERNAL FLOATING ROOF TANKS

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	BAAQMD 8-5-322.2	Y		Secondary seal shall allow insertion up to 3.8 cm (1 ½ 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
POC	BAAQMD 8-5-328.1.1	Y		Tank $\geq$ 75 m^3, tank cleaning shall have liquid balancing with $\leq$ 0.5 psia	None	N	None
POC	BAAQMD 8-5-328.1.2	Y		Tank $\geq$ 75 m^3, Tank cleaning 90% control, POC concentration < 10,000 ppm	BAAQMD 8-5-502	P/A	Source Test
POC	Subpart Kb 40 CFR 60.113b (a)(2)	Y		No holes, tears or other openings	40 CFR 60.113b(a)(4)	P/A/ E (emptied and degassed)	Inspection
POC	BAAQMD Condition # 1253, part IB	Y		94.811 tpy for all sources	BAAQMD Condition # 1253, part IIID	P/A	Records
POC	BAAQMD Condition # 22788, part 1	Y		Non-exempt organic liquids throughput ≤ 453.6 million gal/yr for S-81, 82, and 83	BAAQMD Condition # 22788, part 7	P/M	Records
POC	BAAQMD Condition # 22788, part 2	Y		Gasoline or other organic liquids POC emission ≤ 13,591 lb/yr for S-81, 82, and 83	BAAQMD # 22788, part 7	P/M	Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – M
Applicable Limits and Compliance Monitoring Requirements
S-81, S-82, AND S-83 - INTERNAL FLOATING ROOF TANKS

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	BAAQMD Condition # 22788, part 3	Y		S-81, 82, and 83 shall be abated by liquid mounted primary seal, and rim mounted secondary seal	BAAQMD 8-5-305	C	Install internal floating roof
POC	BAAQMD Condition # 22788, part 4	N		Benzene concentration ≤ 1.4 % wt.	BAAQMD Condition # 22788, part 4	P/6 months	Sample

Table VII – N
Applicable Limits and Compliance Monitoring Requirements
S-84, S-85, S-86, S-87, S-88, S-89, AND S-90 - INTERNAL FLOATING ROOF TANKS

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	BAAQMD 8-320.3.1	Y		Gasket cover ≤ 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 ≤ 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

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – N
Applicable Limits and Compliance Monitoring Requirements
S-84, S-85, S-86, S-87, S-88, S-89, AND S-90 - INTERNAL FLOATING ROOF TANKS

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	BAAQMD 8-5-320.4.3	Y		Solid sampling or gauging wells: Gap between well and roof shall be added to gaps measured ≤ 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 ≤ 1.3 cm (1/2 in)	BAAQMD 8-5-402.2 & 8-5-404	P/twice per year at 4 to 8 months interval	Inspection Certification
POC	BAAQMD 8-5-320.5.3	Y		Slotted sampling or gauging wells: Gap between well and roof shall be added to gaps measured ≤ 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 cover ≥ 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

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – N
Applicable Limits and Compliance Monitoring Requirements
S-84, S-85, S-86, S-87, S-88, S-89, AND S-90 - INTERNAL FLOATING ROOF TANKS

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	BAAQMD 8-5-321.3	Y		Primary seal metallic shoe extends minimum 61 cm (24 in) for external floating and 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
POC	BAAQMD 8-5-321.3.2	Y		For welded tanks, gap between tank shell and the primary seal ≤ 3.8 cm (1 1/2 in). No continuous gap > 0.32 cm ((1/8 in) shall exceed 10% of circumference. The cumulative length of all seal gaps exceeding 1.3 cm (1/2 in) ≤ 10% of circumference and the cumulative length of all seal gaps exceeding 0.32 cm (1/8 in) ≤ 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	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 – N
Applicable Limits and Compliance Monitoring Requirements
S-84, S-85, S-86, S-87, S-88, S-89, AND S-90 - INTERNAL FLOATING ROOF TANKS

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	BAAQMD 8-5-322.2	Y		Secondary seal shall allow insertion up to 3.8 cm (1 ½ 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
POC	BAAQMD 8-5-328.1.1	Y		Tank $\geq$ 75 m^3, tank cleaning shall have liquid balancing with $\leq$ 0.5 psia	None	N	None
POC	BAAQMD 8-5-328.1.2	Y		Tank $\geq$ 75 m^3, Tank cleaning 90% control, POC concentration < 10,000 ppm	BAAQMD 8-5-502	P/A	Source Test
POC	Subpart Kb 40 CFR 60.113b (a)(2)	Y		No holes, tears or other openings	40 CFR 60.113b(a)(4)	P/A/ E (emptied and degassed)	Inspection
POC	BAAQMD Condition # 1253, part IB	Y		94.811 tpy for all sources	BAAQMD Condition # 1253, part IIID	P/A	Records
POC	BAAQMD Condition # 23338, part 1	Y		Non-exempt organic liquids throughput ≤ 856.8 million gal/yr for S-84 through 90	BAAQMD Condition # 23338, part 7	P/M	Records
POC	BAAQMD Condition # 23338, part 2	Y		Gasoline or other organic liquids POC emission ≤ 33,178 lb/yr for S-84 through 90	BAAQMD # 23338, part 7	P/M	Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – N
Applicable Limits and Compliance Monitoring Requirements
S-84, S-85, S-86, S-87, S-88, S-89, AND S-90 - INTERNAL FLOATING ROOF TANKS

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	BAAQMD Condition # 23338, part 3	Y		S-84 through 90 shall be abated by liquid mounted primary seal, and rim mounted secondary seal	BAAQMD 8-5-305	C	Install internal floating roof
POC	BAAQMD Condition # 23338, part 4	N		Benzene concentration ≤ 1.4 % wt.	BAAQMD Condition # 23338, part 4	P/6 months	Sample

Table VII - O
Applicable Limits and Compliance Monitoring Requirements
A-1– THERMAL OXIDIZER

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
SO2	BAAQMD Regulation 9-1-301	Y		GLC > 0.5 ppm continuously for 3 consecutive minutes or 0.25 ppm averaged over 60 consecutive minutes or 0.05 ppm averaged over 24 hrs	None	N	None
SO2	SIP BAAQMD Regulation 9-1-302	Y		≤ 300 ppm SO2, dry	None	N	None
SO2	BAAQMD Condition # 1253, part IB	Y		83.5 tpy for all sources	BAAQMD Condition # 1253, part IIID	P/A	Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - O
Applicable Limits and Compliance Monitoring Requirements
A-1– THERMAL OXIDIZER

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
NOx	BAAQMD Condition # 1253, part IB	Y		129.5 tpy for all sources	BAAQMD Condition # 1253, part IIID	P/A	Records
CO	BAAQMD Condition # 1253, part IB	Y		52.2 tpy for all sources	BAAQMD Condition # 1253, part IIID	P/A	Records
POC	BAAQMD Condition # 1253, part IB	Y		94.811tpy for all sources	BAAQMD Condition # 1253, part IIID	P/A	Records
FP	BAAQMD 6-310	Y		Particulate Matter $\leq$ 343 mg per dscm (0.15 gr/dscf)	None	N	N
FP	BAAQMD Condition # 1253, part IB	Y		25.8 tpy for all sources	BAAQMD Condition # 1253, part IIID	P/A	Records

Table VII – P
Applicable Limits and Compliance Monitoring Requirements
FACILITY

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 6-301	Y		Ringelmann 1 Limitation	BAAQMD Regulation 6-401	C	Visible Inspection

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – P
Applicable Limits and Compliance Monitoring Requirements
FACILITY

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
SO2	BAAQMD Regulation 9-1-301	Y		GLC > 0.5 ppm continuously for 3 consecutive minutes or 0.25 ppm averaged over 60 consecutive minutes or 0.05 ppm averaged over 24 hrs	None	N	Fuel Type
POC	BAAQMD Condition # 1253, part IB	Y		94.811tpy for all sources (except S-74 and S-75 Diesel IC Emergency Generator)	BAAQMD Condition # 1253, part IIID	P/A	Records
NOx	BAAQMD Condition # 1253, part IB	Y		129.5 tpy for all sources (except S-74 and S-75 Diesel IC Emergency Generator)	BAAQMD Condition # 1253, part IIID	P/A	Records
CO	BAAQMD Condition # 1253, part IB	Y		52.2 tpy for all sources (except S-74 and S-75 Diesel IC Emergency Generator)	BAAQMD Condition # 1253, part IIID	P/A	Records
SO2	BAAQMD Condition # 1253, part IB	Y		83.5 tpy for all sources (except S-74 and S-75 Diesel IC Emergency Generator)	BAAQMD Condition # 1253, part IIID	P/A	Records
FP	BAAQMD Condition # 1253, part IB	Y		25.8 tpy for all sources (except S-74 and S-75 Diesel IC Emergency Generator)	BAAQMD Condition # 1253, part IIID	P/A	Records

Table VII – Q
Applicable Limits and Compliance Monitoring Requirements
COMPONENTS

VII. Applicable Limits and Compliance Monitoring Requirements

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	BAAQMD Regulation 8-18-301	Y		Equipment leaks ≤ 100 ppm, except for valves, pumps, compressors, connections and pressure relief devices	BAAQMD Regulation 8-18-401	P/Q	Portable hydrocarbon detector, records
POC	BAAQMD Regulation 8-18-302	Y		Valves leaks ≤ 100 ppm	BAAQMD Regulation 8-18-401	P/Q	Portable hydrocarbon detector, records
POC	BAAQMD Regulation 8-18-303	Y		Pump, compressor leaks ≤ 500 ppm	BAAQMD Regulation 8-18-401	P/Q	Portable hydrocarbon detector, records
POC	BAAQMD Regulation 8-18-304	Y		Connection leaks ≤ 100 ppm	BAAQMD Regulation 8-18-401	P/Q	Portable hydrocarbon detector, records
POC	BAAQMD Regulation 8-18-305	Y		Pressure relief valves ≤ 500 ppm	BAAQMD Regulation 8-18-401	P/Q	Portable hydrocarbon detector, records
POC	BAAQMD Regulation 8-18-306.1	Y		Non-repairable be replaced within 5 years or at next scheduled turnaround	None	N	
POC	BAAQMD Regulation 8-18-306.2	Y		Number awaiting repair < 0.5% valves, 1% pressure relief valves, 1% pump and compressor	None	N	

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – Q
Applicable Limits and Compliance Monitoring Requirements
COMPONENTS

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	BAAQMD Regulation 8-18-306.3.2	Y		Valves < 0.1 lb/day and number awaiting repair (NAR) < 1.0%; Pressure relief valves < 0.2 lb/day and (NAR) < 5%; Pumps, compressors < 0.2 lb/day and (NAR) < 5%;	None	N	
POC	SIP BAAQMD Regulation 8-18-302	Y		Valves ≤ 100 ppm	SIP BAAQMD Regulation 8-18-401	P/Q	Portable hydrocarbon detector, records
POC	SIP BAAQMD Regulation 8-18-303	Y		Connectors ≤ 100 ppm	SIP BAAQMD Regulation 8-18-401	P/Q	Portable hydrocarbon detector, records
POC	SIP BAAQMD Regulation 8-18-304	Y		Non-repairable valves ≤ 0..5 %	SIP BAAQMD Regulation 8-18-401	P/Q	Portable hydrocarbon detector, records
POC	SIP BAAQMD Regulation 8-25-302	Y		,Pump ≤ 500 ppm	SIP BAAQMD Regulation 8-25-401	P/Q	Portable hydrocarbon detector, records
POC	SIP BAAQMD Regulation 8-25-303	Y		Compressors ≤ 500 ppm	SIP BAAQMD Regulation 8-25-401	P/Q	Portable hydrocarbon detector, records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – Q
Applicable Limits and Compliance Monitoring Requirements
COMPONENTS

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	SIP BAAQMD Regulation 8-25-304.1	Y		Pumps and compressors repair or replaced within 5 years or at the next scheduled turnaround	SIP BAAQMD Regulation 8-25-401	P/Q	Portable hydrocarbon detector, records
POC	SIP BAAQMD Regulation 8-25-304.2	Y		Non-repairable pumps and compressors $\leq$ 1 %	SIP BAAQMD Regulation 8-25-401	P/Q	Portable hydrocarbon detector, records
POC	SIP BAAQMD Regulation 8-18-305	Y		New replaced pumps and compressor $\leq$ 500 ppm for 4 consecutive quarters	SIP BAAQMD Regulation 8-25-401	P/Q	Portable hydrocarbon detector, records
POC	SIP BAAQMD Regulation 8-25-306	Y		rRepeat leakers $\leq$ 2 times in 12 months	SIP BAAQMD Regulation 8-25-401	P/Q	Portable hydrocarbon detector, records
POC	Subpart R 40 CFR 63.424(a)	Y		Vapor tight	40 CFR 63.563(a)(4)	P/A	Leak test

VIII. TEST METHODS

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

Table VIII
Test Methods

Applicable Requirement	Description of Requirement	Acceptable Test Methods
BAAQMD Regulation 6-301	Ringelmann No. 1 Limitation	Manual of Procedures, Volume I, Evaluation of Visible Emissions
BAAQMD Regulation 6-303	Ringelmann No. 2 Limitation	Manual of Procedures, Volume I, Evaluation of Visible Emissions
BAAQMD Regulation 6-310, 6-310.3	0.15 gr/dscf	Manual of Procedures, Volume IV, ST 15, Particulate Sampling or EPA Reference Method 5 (40 CFR 60, Appendix A), Determination of Particulate Emissions from Stationary Sources
BAAQMD Regulation 8-5-301	True Vapor Pressure	Manual of Procedures, Volume III, Lab Method 28, Determination of Vapor Pressure of Organic Liquids from Storage Tanks, if organic compound is not listed in Table I
BAAQMD Regulation 8-5-303.2	Pressure vacuum leak concentration	EPA reference method 21 (40 CFR 60, Appendix A), Determination of Volatile Organic Compound Leaks
BAAQMD Regulation 8-5-306	VOC emissions	Manual of Procedures, Volume IV, ST-34, Bulk Gasoline Distribution Facility
BAAQMD Regulation 8-5-328.1.2	VOC emissions for tank cleaning	Manual of Procedures, Volume IV, ST-7, Non-Methane Organic Carbon Sampling
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 Facility

VIII. Test Methods

Table VIII
Test Methods

Applicable Requirement	Description of Requirement	Acceptable Test Methods
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 Loading Terminals
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 non-methane 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 Loading Terminals
SIP BAAQMD Regulation 8-44-301.2	Efficiency and mass emission determination	Manual of Procedures, Volume IV, ST-34, Bulk Gasoline Loading Terminals.
SIP BAAQMD Regulation 8-44-303	Leak test and gas tight determination	EPA Reference Method 21, Determination of Volatile Organic Compound Leaks
BAAQMD Regulation 9-1-301	Ground level concentration	Manual of Procedures, Volume VI, Section 1 - Ground level monitoring for hydrogen sulfide and sulfur dioxide
BAAQMD Regulation 9-1-302	General emission limitation	Manual of Procedures, Volume IV, ST-19 A or B - Sulfur dioxide continuous sampling or sulfur oxides, integrated sampling
BAAQMD Regulation 9-1-303	Emissions from ships	Manual of Procedures, Volume III, Lab 10 – Determination of Sulfur in fuel oil

VIII. Test Methods

Table VIII
Test Methods

Applicable Requirement	Description of Requirement	Acceptable Test Methods
BAAQMD 9-1-304	Fuel Sulfur Content	Manual of Procedures, Volume III, Method 10, Determination of Sulfur in Fuel Oil
BAAQMD Regulation 9-7-301	Emission Limits –Gaseous fuel	Manual of Procedures, Volume IV, ST-13 A or B –Oxides of nitrogen, continuous sampling or oxides of nitrogen, integrated sampling; Volume IV, ST-6 – Carbon monoxides, continuous sampling and ST-14 – Oxygen, continuous sampling
Subpart Kb 40 CFR 60.112(b)	Vapor Pressure	ASTM Method D2879-83
Subpart Kb 40 CFR 60.112(b)(a)(3)	Visual inspection	60 Subpart VV, 60.485(b)
Subpart XX 40 CFR 60.502(b)(c), 6-.502(h)	Monitor for leakage	EPA Reference Method 21, 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)

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)	Nitrogen pressure decay test	Subpart R, 63.425(g)(1), (2), (3), (4), (5)
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. REVISION HISTORY

Date	Action	Details
March 12, 2001	Title V Permit Issuance	
October 30, 2003	Minor Revision	The purpose of the revision is to correct: - Table IIA - Permitted Sources to add two existing diesel emergency generators that lost their exemptions reviewed under District's Application # 4684, and three new gasoline internal floating roof tanks with 4.2 million gallons capacity each reviewed under District's Application # 5850 - Add Tables IV-J Table IV-K – Source Specific Applicable Requirements for generators and tanks - Add Tables VII-J Table VII-K - Applicable Limits and Compliance Monitoring Requirements for generators and tanks - Table VIII Test Methods to add the sulfur fuel test method - Tables IV-A, B, C, D, H, and Tables VII-A, B, C, D, H that were associated with the amended Regulation 8-5 - Storage of Organic Liquids, which was adopted on 11/27/02 - Condition # 19308 was added for S-75 and S-76 Emergency Diesel Generators - Condition # 20060 was added for S-77, S-78 and S-78 Internal Floating Roof Tanks - Revise Condition # 1253 under Schedule A to change the total POC emissions for the whole facility from 65.1 tons per calendar year to 67.146 tons per calendar year. - Deletion of Condition #9905 that was included in error - Update the standards parts of the permit - Move facility-wide requirements from source tables to "Facility" - Add pressure-vacuum valve requirement (Regulation 8-5-605) in Tables IV-A, B, C, H, and Regulation 8-5-303.1 and 303.2 in Tables VII-A, B, C, H for fixed roof tanks - Remove the SIP requirements of Regulation 8-5 in

IX. Revision History

		Tables IV-A, B, C, D, H, K, M and Tables VII-A, B, C, D, H, K, M because the current rule was adopted into SIP in June 5, 2003.
July 26, 2005	Minor Revision	The purpose of the revision is to correct: - Update Table III - Generally Applicable Requirements of the permit - Add the website address of EPA Region 9 for the full language of SIP requirements - Delete Section XI – Applicable State Implementation Plan - Table IIA - Permitted Sources to add two new gasoline internal floating roof tanks with 8.4 million gallons capacity each reviewed under District's Application # 10493 - Add Table IV-L – Source Specific Applicable Requirements for two new tanks - Add benzene concentration and sampling demonstration to Table VII-K for tanks S-76, S-77 and S-78 - Add Table VII-L - Applicable Limits and Compliance Monitoring Requirements for two new tanks - Condition # 21829 was added for S-79, and S-80 Internal Floating Roof Tanks through District permit. - Revise Condition # 1253 under Part IB and Schedule A to change the total POC emissions for the whole facility from 67.146 tons per calendar year to 71.426 tons per calendar year. - The District partially removed the language of Condition #1253, Part IV.3c and 4 to clarify that only the installation of continuous temperature monitor is needed for the thermal oxidizer in lieu of continuous hydrocarbon concentration and flow rate monitors. - The names of the Responsible Officer and Facility Contact have been changed.
March 26, 2007	Renewal	The purpose of the revision is to correct: - The names of the Responsible Officer and Facility Contact have been changed.

IX. Revision History

		- The name of the facility has been changed from Shore Terminals, LLC to Pacific Atlantic Terminals, LLC. - The POC, NOx, and SO2 emission factors have been replaced with the natural gas emission factors for S-73, Direct Fired Heater in Condition # 1253, Part IIID, Schedule D. - Only natural gas will be used at S-73 in Condition # 17320. - The requirements of Regulation 8-44, Marine Tank Vessel Operations were updated since this revised rule was adopted on December 7, 2005. - The hydrocarbon concentration and flow rate measurement were deleted in Section 3c, and partially in Section 4. In lieu a the continuous hydrocarbon concentration monitoring system, Section 11 was added to require an annual District approved source test for A-1, Thermal Oxidizer, which abates the marine vessel loading, fixed roof tanks and the truck loading rack. - The quarterly reporting requirements of the Reid Vapor Pressure of the previous cargo, previous port of call and vessels that were "gas freed" were deleted in Condition 1253, Part III, Section A.3 because they are unnecessary. All information is kept on site as a record to determine the POC emissions already. - The new ATCM applicable requirements were added to Table IV-J and Table VII-J for Emergency Diesel Generators. - Source Test Method 4, Bulk Gasoline Loading Terminals (ST-4) was deleted and replaced by the improved Method ST-34. - S-20 Tank Truck Loading Rack removed from permit because it is no longer in service.
June 19, 2008	Minor Revision	The purpose of the revision is to correct: - The names of the Responsible Officer and Facility Contact have been changed. - Typo errors in the source description of S-13 through 16 have been corrected in Table II-A. - The annual source test requirement in Condition #

IX. Revision History

		13720 Part 5 has been corrected to be federally enforceable in Table IV-I. - Condition # 1253, Part II D has been modified to add the allowance of temporary use of the portable John Zink unit or equivalent equipment. - Condition # 1253, Part IV 3 and 8 have been modified to provide clarity based on the plant inspector's comments. - A typo error when referencing a section in Regulation 8, Rule 44 has been corrected in Condition # 1253, Part IV 6. - The temperature limit in Condition # 1253 Part II D has been added to Table VII-A, Table VII-B, VII-C, VII-F, and VII-H. - The NOx limits in Regulation 9-7-301.1, 9-7-305.1, and 9-7-306.1 and the CO limits in Regulation 9-7-301.2, 9-7-305.2, and 9-7-306.2 have been corrected to be federally enforceable in Table VII-I.
October 6, 2008	Minor Revision	The purpose of the revision is to: - Update the name of the facility contact; - Modify the descriptions of seven existing tanks in Table IIA – Permitted Sources; - Add ten new gasoline internal floating roof tanks reviewed under District's Application # 13774 and 15163 in Table IIA - Permitted Sources; - Add Table IV-M, Table IV-N, Table VII-M, and Table VII-N for ten new gasoline internal floating roof tanks; - Add Condition # 22788 and # 23338 for ten new gasoline internal floating roof tanks; - Revise Condition # 1253 under Part IB and Schedule A to change the total POC emissions for the whole facility from 71.426 tons per calendar year to 94.811 tons per calendar year.

X. GLOSSARY

ACT
Federal Clean Air Act

BAAQMD
Bay Area Air Quality Management District

BACT
Best Available Control Technology

CAA
The federal Clean Air Act

CAAQS
California Ambient Air Quality Standards

CCR
California Code of Regulations

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

IX. Glossary

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.

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

HAP
Hazardous Air Pollutant. Any pollutant listed pursuant to Section 112(b) of the Act. Also refers to the program mandated by Title I, Section 112, of the Act and implemented by 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 61.

NMHC
Non-methane Hydrocarbons

NOx
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

IX. Glossary

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, NOx, 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.

TRMP
Toxic Risk Management Policy

IX. Glossary

TSP
Total Suspended Particulate

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
dscf	=	dry standard cubic feet
scfm	=	standard cubic feet per minute
yr	=	year