Bay Area Air Quality Management District

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

Final

MAJOR FACILITY REVIEW PERMIT

Issued To:

Plains Products 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	Jeff Carlton
Vice President, Environmental, Health & Safety	Terminal Manager
(713) 646-4614	(925) 372-5219

Type of Facility:	Marine Terminal	BAAQMD Permit Division Contact:
Primary SIC:	4226	Arthur Valla
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 — August 26, 2015
Jack P. Broadbent, Executive Officer/Air Pollution Control Officer — Date

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I. STANDARD CONDITIONS

A. Administrative Requirements

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

BAAQMD Regulation 1 - General Provisions and Definitions
(as amended by the District Board on 05/04/2011);
SIP Regulation 1 - General Provisions and Definitions
(as approved by EPA through 06/28/1999);
BAAQMD Regulation 2, Rule 1 - Permits, General Requirements
(as amended by the District Board on 04/18/2012);
SIP Regulation 2, Rule 1 - Permits, General Requirements
(as approved by EPA through 01/26/1999);
BAAQMD Regulation 2, Rule 2 - Permits, New Source Review
(as amended by the District Board on 06/15/2005);
SIP Regulation 2, Rule 2 - Permits, New Source Review and Prevention of Significant Deterioration
(as approved by EPA through 01/26/1999);
BAAQMD Regulation 2, Rule 4 - Permits, Emissions Banking
(as amended by the District Board on 12/19/12);
SIP Regulation 2, Rule 4 - Permits, Emissions Banking
(as approved by EPA through 01/26/1999);
BAAQMD Regulation 2, Rule 5 – New Source Review of Toxic Air Contaminants
(as amended by the District Board on 01/06/2010);
BAAQMD Regulation 2, Rule 6 - Permits, Major Facility Review
(as amended by the District Board on 04/16/2003); and
SIP Regulation 2, Rule 6 – Permits, Major Facility Review
(as approved by EPA through 06/23/1995)

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

1. This Major Facility Review Permit was issued on August 26, 2015, and expires on August 25, 2020. The permit holder shall submit a complete application for renewal of this Major Facility Review Permit no later than February 25, 2020, and no earlier than August 25, 2019. **If a complete application for renewal has not been submitted in accordance with this deadline, the facility may not operate after August 25, 2020.** If the permit renewal has not been issued by August 25, 2020, 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)

I. Standard Conditions

3. In the event any enforcement action is brought as a result of a violation of any term or condition of this permit, the fact that it would have been necessary for the permittee to halt or reduce the permitted activity in order to maintain compliance with such term or condition shall not be a defense to such enforcement action. (MOP Volume II, Part 3, §4.11)
4. This permit may be modified, revoked, reopened and reissued, or terminated for 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)

I. Standard Conditions

C. Requirement to Pay Fees

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

D. Inspection and Entry

Access to Facility: The permit holder shall provide reasonable access to the facility and equipment that is subject to this permit to the APCO and/or to his or her designee. (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.

I. Standard Conditions

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
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)
2. In Table II-A1 or Table II-A2, for each source identified as a grandfathered source, the throughput limits as shown in Table II-A are based upon District records at the time of the MFR permit issuance. These throughput limits function as reporting thresholds only and exceedance of any of these limits does not constitute noncompliance with the MFR permit. As such, exceedance of a grandfathered limit is

I. Standard Conditions

not subject to Section I.F reporting requirements. Exceedance of a grandfathered limit does not establish a presumption that a modification has occurred, nor does compliance with the limit establish a presumption that a modification has not occurred. The facility must report any exceedance of these limits in the form of a permit application within 30 days of discovery to facilitate the determination of whether a modification has occurred. The applications shall be sent to the following address: (Regulation 2-1-234.3).

Air Quality Engineering Manager
Bay Area Air Quality Management District
939 Ellis Street
San Francisco, CA 94109
Attn: Permit Evaluation Section, Title V Reports

3. The owner/operator shall notify the District in writing by fax or email no less than three calendar days in advance of any scheduled start-up or shutdown of any process unit and as soon as feasible for any unscheduled startup or shutdown of a process unit, but no later than 48 hours after the unscheduled startup/shutdown or within the next normal business day. The notification shall be sent in writing by fax or email to the Director of Enforcement and Compliance. The requirement is not federally enforceable. [basis: Regulation 2-1-403]

4. Where an applicable requirement allows multiple compliance options and where more than one such option is incorporated into the permit, the permit holder must maintain records indicating the selected compliance option. Such records at a minimum shall indicate when any change in options has occurred. In addition, the annual compliance certification must specifically indicate which option or options were selected during the certification period. This is in addition to any recordkeeping and reporting contained in the requirement itself.

K. Accidental Release

This facility is subject to 40 CFR Part 68, Chemical Accident Prevention Provisions. The permit holder shall submit a risk management plan (RMP) by the date specified in §68.10. The permit holder shall also certify compliance with the requirements of Part 68 as part of the annual compliance certification, as required by Regulation 2, Rule 6. (40 CFR Part 68, Regulation 2, Rule 6).

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	Grandfathered Limit, or Firm Limit and Basis
1	Tank 8101 (T-1) Gasoline, Diesel, Isooctane, Naphtha, Distillate Oil, Alkylate, Reformate	Fixed Roof Tank		3,360,000 gallons Facility Emissions Cap Condition 1253	NSR Application 31392 (1987)
2	Tank 8102 (T-2) Gasoline, Diesel, Isooctane, Naphtha, Distillate Oil, Reformate, Bunker C Fuel Oil, Jet A	Fixed Roof Tank		3,360,000 gallons Facility Emissions Cap Condition 1253	NSR Application 31392 (1987)
3	Tank 5003 (T-3) Gasoline, Crude Oil, Naphtha, Gas Oil, Bunker C Fuel Oil	Fixed Roof Tank		2,184,000 gallons Facility Emissions Cap Condition 1253	NSR Application 31392 (1987)
4	Tank 5004 (T-4) Gasoline, Diesel, Reformate, Alkylate, Naphtha	Fixed Roof Tank		2, 184,000 gallons Facility Emissions Cap Condition 1253	NSR Application 31392 (1987)
5	Tank 5005 (T-5) Gasoline, Diesel, Reformate, Naphtha, Jet A	Fixed Roof Tank		2, 184,000 gallons Facility Emissions Cap Condition 1253	NSR Application 31392 (1987)
6	Tank 5006 (T-6) Gasoline, Diesel, Naphtha, Jet A, Alkylate, Reformate	Fixed Roof Tank		2, 184,000 gallons Facility Emissions Cap Condition 1253	NSR Application 31392 (1987)
7	Tank 5007 (T-7) Gasoline, Diesel, Isooctane, Naphtha, Jet A, Alkylate, Reformate	Fixed Roof Tank		2, 184,000 gallons Facility Emissions Cap Condition 1253	NSR Application 31392 (1987)
9	Tank 1109 (T-9) Gasoline, Diesel	Fixed Roof Tank		420,000 gallons Facility Emissions Cap Condition 1253	NSR Application 31392 (1987)
10	Tank 310 (T-10) Gasoline, Ethers, Ethanol, Naphtha, Jet A	Fixed Roof Tank		126,000 gallons Facility Emissions Cap Condition 1253	NSR Application 31392 (1987)
11	Tank (T-11) Gasoline, Slop Oil	Fixed Roof Tank		7,000 gallons Facility Emissions Cap Condition 1253	NSR Application 31392 (1987)

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	Grandfathered Limit, or Firm Limit and Basis
12	Tank T-12 Xylene, Ethers, Ethanol, Naphtha, Jet A	Fixed Roof Tank		25,000 gallons Facility Emissions Cap Condition 1253	NSR Application 31392 (1987)
13	Tank 50113 (T-13) Crude Oil, Enamel, Bunker C Fuel Oil, Gas Oil,	External Floating Roof Tank		21,000,000 gallons Facility Emissions Cap Condition 1253	NSR Application 31392 (1987)
14	Tank 50114 (T-14) Crude Oil, Bunker C Fuel Oil, Gas Oil	External Floating Roof Tank		21,000,000 gallons Facility Emissions Cap Condition 1253	NSR Application 31392 (1987)
15	Tank 50115 (T-15) Crude Oil, Gas Oil, Fuel Oil	External Floating Roof Tank		21,000,000 gallons Facility Emissions Cap Condition 1253	NSR Application 31392 (1987)
16	Tank 50116 (T-16) Crude Oil, Bunker C Fuel Oil, Fuel Oil #2	External Floating Roof Tank		21,000,000 gallons Facility Emissions Cap Condition 1253	NSR Application 31392 (1987)
18	Tank T-34 Gasoline, Diesel	Fixed Roof Tank		12,000 gallons Facility Emissions Cap Condition 1253	NSR Application 31392 (1987)
19	Tank T-35 Gasoline	Fixed Roof Tank		12,000 gallons Facility Emissions Cap Condition 1253	NSR Application 31392 (1987)
21	Marine Vessel Wharf Crude Oil, Gasoline, Diesel, Isooctane, Naphtha, Distillate Oil, Gas Oil, Alkylate, Reformate, Bunker C Fuel Oil, Jet A	Continental-Emsco, CEMA Type II and MRLA-10		3 Gasoline Fillers 2 Loading Pumps Facility Emissions Cap Condition 1253	NSR Application 31392 (1987)
27	Storage Tank 170-39 (T-39) Crude Oil, Gasoline, Diesel, , Naphtha, Distillate Oil, Gas Oil, Reformate	Fixed Roof Tank		7,350,000 gallons Facility Emissions Cap Condition 1253	NSR Application 31392 (1987)
28	Storage Tank 170-40 (T-40) Crude Oil, Gasoline, Diesel, , Naphtha, Distillate Oil, Gas Oil, Reformate, Jet A	Fixed Roof Tank		7,350,000 gallons Facility Emissions Cap Condition 1253	NSR Application 31392 (1987)

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	Grandfathered Limit, or Firm Limit and Basis
30	Oil Water Separator	Highland Tank	R-HTC-GSH-S-J 5000	30,000 gallons/hr 500,000 gallons in any consecutive 12-month period	Firm Limit Condition #24966, part 1 New Source Review
73	Direct Fired Heater (natural gas)	Gastech	Helux	19.95 MMBtu/hr 90,000,000 scf of natural gas fuel in any consecutive 12-month period	Firm Limit Condition #13720, part 1 New Source Review
75	Emergency Diesel Generator	IC Engine	Cummins 280-IF	1.1 MMBtu/hr, 145 HP, 50 hrs/yr	Firm Limit Condition #19308, part 1
76	Storage Tank # 110-38 (11041) Gasoline, Reformate, Naphtha, Jet 'A'. Ethanol, Diesel	Internal Floating Roof		4,200,000 gallons 4,200,000 gallons in any calendar day 105,000,000 gallons in any consecutive 12-month period	Firm Limit Condition #20060, part 1 New Source Review
77	Storage Tank # 100-45 (11042) Gasoline, Reformate, Alkylate, Naphtha, Jet 'A'. Ethanol, Diesel	Internal Floating Roof		4,200,000 gallons 4,200,000 gallons in any calendar day 105,000,000 gallons in any consecutive 12-month period	Firm Limit Condition #20060, part 1 New Source Review
78	Storage Tank # 110-44 (11043) Gasoline, Reformate, Alkylate, Naphtha, Jet 'A'. Ethanol, Diesel	Internal Floating Roof		4,200,000 gallons 4,200,000 gallons in any calendar day 105,000,000 gallons in any consecutive 12-month period	Firm Limit Condition #20060, part 1 New Source Review

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	Grandfathered Limit, or Firm Limit and Basis
79	Storage Tank # 200-43 Gasoline, Jet 'A'. Ethanol, Diesel	Internal Floating Roof		8,400,000 gallons 403,200,000 gallons in any consecutive 12 month period total for S-79 and S-80	Firm Limit Condition #21829, part 1 New Source Review
80	Storage Tank # 200-42 Gasoline, Jet 'A'. Ethanol, Diesel	Internal Floating Roof		8,400,000 gallons 403,200,000 gallons in any consecutive 12 month period total for S-79 and S-80	Firm Limit Condition #21829, part 1 New Source Review
81	Storage Tank # 150-51 Kerosene, Gasoline, Diesel	Internal Floating Roof		6,300,000 gallons 453,600,000 gallons in any consecutive 12 month period total for S-81, S-82 & S-83	Firm Limit Condition #22788, part 1 New Source Review
82	Storage Tank # 150-52 Kerosene, Gasoline, Diesel	Internal Floating Roof		6,300,000 gallons 453,600,000 gallons in any consecutive 12 month period total for S-81, S-82 & S-83	Firm Limit Condition #22788, part 1 New Source Review
83	Storage Tank # 150-53 Gasoline, Jet 'A'. Naphtha, Diesel	Internal Floating Roof		6,300,000 gallons 453,600,000 gallons in any consecutive 12 month period total for S-81, S-82 & S-83	Firm Limit Condition #22788, part 1 New Source Review
84	Storage Tank # 150-54 Gasoline, Diesel, Jet Fuel	Internal Floating Roof		6,300,000 gallons 453,600,000 gallons in any consecutive 12-month period total for S-84 through S-86	Firm Limit Condition #23338, part 1 New Source Review

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	Grandfathered Limit, or Firm Limit and Basis
85	Storage Tank # 150-55 Gasoline, Diesel, Jet Fuel	Internal Floating Roof		6,300,000 gallons 453,600,000 gallons in any consecutive 12-month period total for S-84 through S-86	Firm Limit Condition #23338, part 1 New Source Review
86	Storage Tank # 150-41 Gasoline, Diesel, Jet Fuel	Internal Floating Roof		6,300,000 gallons 453,600,000 gallons in any consecutive 12-month period total for S-84 through S-86	Firm Limit Condition #23338, part 1 New Source Review
87	Storage Tank # 100-37 Gasoline, Alkylate, Diesel, Jet Fuel	Internal Floating Roof		4,200,000 gallons 403,200,000 gallons in any consecutive 12-month period total for S-87 through S-90	Firm Limit Condition #23338, part 1 New Source Review
88	Storage Tank # 100-56 Gasoline, Alkylate, Kerosene, Diesel	Internal Floating Roof		4,200,000 gallons 403,200,000 gallons in any consecutive 12-month period total for S-87 through S-90	Firm Limit Condition #23338, part 1 New Source Review
89	Storage Tank # 100-57 Gasoline, Kerosene, Diesel	Internal Floating Roof		4,200,000 gallons 403,200,000 gallons in any consecutive 12-month period total for S-87 through S-90	Firm Limit Condition #23338, part 1 New Source Review
90	Storage Tank # 100-58 Gasoline, Kerosene, Diesel	Internal Floating Roof		4,200,000 gallons 403,200,000 gallons in any consecutive 12-month period total for S-87 through S-90	Firm Limit Condition #23338, part 1 New Source Review

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	Grandfathered Limit, or Firm Limit and Basis
91	Emergency Diesel Firewater Pump	IC Engine	John Deere JX6H-UFADFO	3.5 MMBtu/hr, 460 HP 50 hrs/yr	Firm Limit Condition #22850, part 1 New Source Review

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

II. Equipment

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-27, S-28	BAAQMD Condition # 1253 Part III, schedule D	Annual source testing, and continuous temperature monitor	POC = 1.44 lb/1000 barrel for bubble compliance calculations
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 II.D	Annual source testing, and continuous temperature monitor	95% overall abatement efficiency
A-1	Thermal Oxidizer, Natural Gas, (235 MMBtu/hr)	S-1 through S-12, S-18, S-19, S-27, S-28	BAAQMD 8-5-306	Annual source testing, and continuous temperature monitor	95% abatement efficiency by weight
A-1	Thermal Oxidizer, Natural Gas, (235 MMBtu/hr)	S-21	BAAQMD 8-44-304	Annual source testing, and continuous temperature monitor	NMOC = 2 lb/1000 barrel or 95% control
A-1	Thermal Oxidizer, Natural Gas, (235 MMBtu/hr)	S-21	BAAQMD Condition # 1253 Part IV.2	Annual source testing, and continuous temperature monitor	POC = 2 lb/1000 barrel or 95% control
A-2	TrailerMount Combustor Thermal Oxidizer	S-1 through S-12, S-18, S-19, S-27, S-28	BAAQMD Condition # 1253 Part III, schedule D	Annual source testing, and continuous temperature monitor	POC = 1.44 lb/1000 barrel for bubble compliance calculations
A-2	TrailerMount Combustor Thermal Oxidizer	S-1 through S-12, S-18, S-19, S-21, S-27, S-28	BAAQMD Condition # 1253 Part II.D	Annual source testing, and continuous temperature monitor	95% overall abatement efficiency
A-2	TrailerMount Combustor Thermal Oxidizer	S-1 through S-12, S-18, S-19, S-27, S-28	BAAQMD 8-5-306	Annual source testing, and continuous temperature monitor	95% abatement efficiency by weight

II. Equipment

Table II B – Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
A-2	TrailerMount Combustor Thermal Oxidizer	S-21	BAAQMD 8-44-304	Annual source testing, and continuous temperature monitor	NMOC = 2 lb/1000 barrel or 95% control
A-2	TrailerMount Combustor Thermal Oxidizer	S-21	BAAQMD Condition # 1253 Part IV.2	Annual source testing, and continuous temperature monitor	POC = 2 lb/1000 barrel or 95% control
A-3	Vapor Bladder Tank	S-1 through S-12, S-18, S-19, S-21, S-27, S-28	BAAQMD Condition # 1253 Part III, schedule D BAAQMD Condition # 25463	Continuous monitoring of bladder height	55 feet
A-30	Carbon Adsorption System	S-30	BAAQMD 8-8-302.3	Monthly monitoring of carbon vessels	VOC: 95% control
A-30	Carbon Adsorption System	S-30	BAAQMD Condition # 24966 Part 6	Monthly monitoring of carbon vessels	TOC < 10 ppmv

II. Equipment

Table II C- –Sources Exempt From Permitting

The following sources have been determined to be exempt from the requirements of BAAQMD Regulation 2, Permits and have applicable requirement(s) listed in Section IV.

S-#	Description	Make or Type	Model	Capacity	Comment (Exemption Citation)
17	Diesel Storage Tank T-17	Fixed Roof Tank		8,400 gallons	2-1-123.3.2

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 (05/04/2011)	N
SIP Regulation 1	General Provisions and Definitions (06/28/1999)	Y
BAAQMD Regulation 2, Rule 1	General Requirements (04/18/2012)	N
BAAQMD 2-1-429	Federal Emissions Statement 12/21/2004)	Y
SIP Regulation 2-1-429	Federal Emissions Statement (06/15/1994)	Y
SIP Regulation 2, Rule 1	General Requirements (01/26/1999)	Y
BAAQMD Regulation 2, Rule 2	New Source Review (06/15/2005)	N
SIP Regulation 2, Rule 2	New Source Review (01/26/1999)	Y

III. Generally Applicable Requirements

Table III
Generally Applicable Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)
BAAQMD Regulation 2, Rule 4	Emissions Banking (12/19/2012)	N
SIP Regulation 2, Rule 4	Emissions Banking (01/26/1999)	Y
BAAQMD Regulation 2, Rule 5	New Source Review of Toxic Air Contaminants (01/06/2010)	N
BAAQMD Regulation 2, Rule 6	Major Facility Review (04/16/2003)	N
SIP Regulation 2, Rule 6	Major Facility Review (06/23/1995)	Y
BAAQMD Regulation 2, Rule 9	Interchangeable Emission Reduction Credits (06/15/2005)	N
BAAQMD Regulation 3	Fees (06/19/2013)	N
SIP Regulation 3	Fees (05/03/1984)	Y
BAAQMD Regulation 4	Air Pollution Episode Plan (03/20/1991)	N
SIP Regulation 4	Air Pollution Episode Plan (08/06/1990)	Y
BAAQMD Regulation 5	Open Burning (06/19/2013)	N
SIP Regulation 5	Open Burning (09/04/1998)	Y
BAAQMD Regulation 6, Rule 1	Particulate Matter, General Requirements (12/05/2007)	N
SIP Regulation 6	Particulate Matter and Visible Emissions (09/04/1998)	Y
BAAQMD Regulation 7	Odorous Substances (03/17/1982)	N
BAAQMD Regulation 8, Rule 1	Organic Compounds – General Provisions (06/15/1994)	Y
BAAQMD Regulation 8, Rule 2	Organic Compounds – Miscellaneous Operations (07/20/2005)	N
SIP Regulation 8, Rule 2	Organic Compounds – Miscellaneous Operations (03/22/1995)	Y
BAAQMD Regulation 8, Rule 3	Organic Compounds – Architectural Coatings (07/01/2009)	N
SIP Regulation 8, Rule 3	Organic Compounds – Architectural Coatings (01/02/2004)	Y
BAAQMD Regulation 8, Rule 4	Organic compounds – General Solvent and Surface Coating Operations (10/16/2002)	Y
BAAQMD Regulation 8, Rule 15	Organic Compounds – Emulsified and Liquid Asphalts (06/01/1994)	Y
BAAQMD Regulation 8, Rule 18	Organic Compounds – Equipment Leaks (09/15/2004)	N
SIP Regulation 8, Rule 18	Organic Compounds – Equipment Leaks (06/05/2003)	Y
BAAQMD Regulation 8, Rule 40	Organic Compounds - Aeration of Contaminated Soil and Removal of Underground Storage Tanks (06/15/2005)	N

III. Generally Applicable Requirements

Table III
Generally Applicable Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)
SIP Regulation 8, Rule 40	Organic Compounds - Aeration of Contaminated Soil and Removal of Underground Storage Tanks (04/19/2001)	Y
BAAQMD Regulation 8, Rule 47	Organic Compounds - Air Stripping and Soil Vapor Extraction Operations (06/15/2005)	N
SIP Regulation 8, Rule 47	Organic Compounds - Air Stripping and Soil Vapor Extraction Operations (04/26/1995)	Y
BAAQMD Regulation 8, Rule 49	Organic Compounds – Aerosol Paint Products (12/20/1995)	N
SIP Regulation 8, Rule 49	Organic Compounds – Aerosol Paint Products (03/22/1995)	Y
BAAQMD Regulation 8, Rule 51	Organic Compounds – Adhesive and Sealant Products (07/17/2002)	N
SIP Regulation 8, Rule 51	Organic Compounds - Adhesive and Sealant Products (02/26/2002)	Y
BAAQMD Regulation 9, Rule 1	Inorganic Gaseous Pollutants - Sulfur Dioxide (03/15/1995)	N
SIP Regulation 9, Rule 1	Inorganic Gaseous Pollutants - Hydrogen Sulfide (10/06/1999)	Y
BAAQMD Regulation 9, Rule 2	Inorganic Gaseous Pollutants - Hydrogen Sulfide (10/6/1999)	N
BAAQMD Regulation 11, Rule 2	Hazardous Pollutants – Asbestos Demolition, Renovation and Manufacturing (10/07/1998)	Y
BAAQMD Regulation 12, Rule 4	Miscellaneous Standards of Performance - Sandblasting (07/11/1990)	N
SIP Regulation 12, Rule 4	Miscellaneous Standards of Performance - Sandblasting (09/02/1981)	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

III. Generally Applicable Requirements

Table III
Generally Applicable Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)
California Health and Safety Code Title 17, Section 93116	Airborne Toxic Control Measure for Diesel Particulate Matter from Portable Engines Rated at 50 Horsepower and Greater	N
40 CFR Part 61, Subpart M	National Emission Standards for Hazardous Air Pollutants – National Emission Standard for Asbestos (06/19/1995)	Y
40 CFR 82 Subpart F	Protection of Stratospheric Ozone; Recycling and Emissions Reduction (04/13/2005)	Y
40 CFR 82 Subpart H	Protection of Stratospheric Ozone; Halon Emissions Reduction (03/05/1998)	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
Subject to NSPS Subpart K and MACT Subpart R

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 5	**Organic Compounds-Storage of Organic Liquids (10/18/2006)**		
8-5-101	Description	Y	
8-5-111	Limited Exemption, Tank Removal From and Return to Service	N	
8-5-112	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation	N	
8-5-117	Exemption, Low Vapor Pressure	Y	
8-5-301	Storage Tanks Control Requirements	N	
8-5-303	Requirements for Pressure Vacuum Valves	N	
8-5-306	Requirements for Approved Emission Control System	N	
8-5-328	Tank degassing requirements	N	
8-5-328.1	Concentration of <10,000 ppm as methane after degassing	N	

IV. Source-Specific Applicable Requirements

Table IV – A
Source-specific Applicable Requirements
S-1 THROUGH S-10 - FIXED ROOF TANKS
Subject to NSPS Subpart K and MACT Subpart R

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-5-328.2	No degassing during ozone excess	Y	
8-5-328.3	Notification requirements	N	
8-5-331	Tank Cleaning Requirements	N	
8-5-403	Inspection Requirements for Pressure Relief Valves	N	
8-5-404	Inspection, Abatement Efficiency Determination and Source Test Reports	N	
8-5-501	Recordkeeping requirements	N	
8-5-502	Source Test Requirements:	N	
8-5-605	Measurement of Leak Concentrations and Residual Concentrations	N	
8-5-606	Analysis of Samples, Tank Cleaning Agents	N	
SIP Regulation 8, Rule 5	**Organic Compounds-Storage of Organic Liquids (06/05/2003)**		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
8-5-112	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation	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 degassing requirements	Y	
8-5-328.1.2	Concentration of <10,000 ppm as methane after degassing	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 degassing annual source test requirement	Y	
8-5-503	Portable hydrocarbon detector	Y	
8-5-605	Pressure-Vacuum Valve Gas Tight Determination	Y	
BAAQMD Regulation 10	**Standards of Performance for New Stationary Sources incorporated by reference (02/16/2000)**		
10-1	Subpart A – General Provisions (12/20/1995)	Y	
10-15	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	

IV. Source-Specific Applicable Requirements

Table IV – A
Source-specific Applicable Requirements
S-1 THROUGH S-10 - FIXED ROOF TANKS
Subject to NSPS Subpart K and MACT Subpart R

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
40 CFR 60	**Standards of Performance for New Stationary Sources (12/23/71)**	Y	
Subpart A	General Provisions	Y	
60.1	Applicability	Y	
60.2	Definitions	Y	
60.3	Units and Abbreviations	Y	
60.4	Address	Y	
60.4(b)	Reports to EPA and District	Y	
60.5	Determination of Construction or Modification	Y	
60.6	Review of Plans	Y	
60.7	Notification and Recordkeeping	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	Compliance with Standards and Maintenance Requirements	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	
60.14	Modification	Y	
60.15	Reconstructions	Y	
60.17	Incorporated by Reference	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	Applicability and Designation of Affected Facility	Y	
60.110(c)(2)	Affected tanks that are greater than or equal to 65,000 gallons	Y	
60.112	Standard for volatile organic compounds (VOC).	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	

IV. Source-Specific Applicable Requirements

Table IV – A
Source-specific Applicable Requirements
S-1 THROUGH S-10 - FIXED ROOF TANKS
Subject to NSPS Subpart K and MACT Subpart R

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
440 CFR 60 Subpart Kb	**NSPS – Standards of Performance for Storage Vessels for Petroleum Liquids for which Construction, Reconstruction, or Modification Commence After May 18, 1978, and Prior to July 23, 1984 [Requirements for Storage Vessels subject to Part 63 Subpart R 63.423(a), 63.425(d) and 63.427(c)]**		
60.112b(a)(3)	Standard for Volatile Organic Compounds (VOC); Closed vent system and control device	Y	
60.112b(a)(3)(i)	Standard for Volatile Organic Compounds (VOC); Closed vent system and control device no detectable emissions	Y	
60.112b(a)(3)(ii)	Standard for Volatile Organic Compounds (VOC); Closed vent system and control device >= 95% inlet VOC emission reduction.	Y	
60.113b	Testing and Procedures	Y	
60.113b(c)	Testing and Procedures; Closed vent system and control device (not flare)	Y	
60.113b(c)(1)	Testing and Procedures; Closed vent system and control device (not flare) operating plan submission	Y	
60.113b(c)(1)(i)	Testing and Procedures; Closed vent system and control device (not flare) operating plan--efficiency demonstration	Y	
60.113b(c)(1)(ii)	Testing and Procedures; Closed vent system and control device (not flare) operating plan--monitoring parameters	Y	
60.113b(c)(2)	Testing and Procedures; Closed vent system and control device (not flare) operate in accordance with operating plan	Y	
60.116b	Monitoring of Operations	Y	
60.116b(a)	Monitoring of Operations; Record retention	Y	
60.116b(b)	Monitoring of Operations; Permanent record requirements	Y	
60.116b(c)	Monitoring of Operations; VOL storage record requirements	Y	
60.116b(d)	Monitoring of Operations; Notify within 30 days when the maximum TVP is exceeded	Y	
60.116b(e)	Monitoring of Operations; Maximum true vapor pressure (TVP)	Y	
60.116b(e)(1)	Monitoring of Operations; TVP Determination Criteria	Y	
60.116b(e)(2)	Monitoring of Operations; TVP Determination Criteria, Crude Oil	Y	
60.116b(e)(2)(i)	Monitoring of Operations; Determine TVP-crude oil or refined petroleum products by API method	Y	

IV. Source-Specific Applicable Requirements

Table IV – A
Source-specific Applicable Requirements
S-1 THROUGH S-10 - FIXED ROOF TANKS
Subject to NSPS Subpart K and MACT Subpart R

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.116b(e)(2)(ii)	Monitoring of Operations; Determine TVP-crude oil or refined petroleum products other than API method	Y	
60.116b(e)(3)	Monitoring of Operations; Determine TVP	Y	
60.116b(e)(3)(i)	Monitoring of Operations; Determine TVP-other liquids-standard reference texts	Y	
60.116b(e)(3)(ii)	Monitoring of Operations; Determine TVP-other liquids-ASTM method	Y	
60.116b(e)(3)(iii)	Monitoring of Operations; Determine TVP-other liquids-other approved measurement method	Y	
60.116b(e)(3)(iv)	Monitoring of Operations; Determine TVP-other liquids-other approved calculation method	Y	
60.116b(f)	Monitoring of Operations; Waste storage tanks (indeterminate or variable composition)	Y	
60.116b(f)(1)	Monitoring of Operations; Waste storage tanks-Determine maximum possible TVP	Y	
60.116b(f)(2)	Monitoring of Operations; Waste storage tanks-Vapor pressure tests	Y	
60.116b(f)(2)(i)	Monitoring of Operations; Waste storage tanks-Vapor pressure tests ASTM D 2879 method	Y	
60.116b(f)(2)(ii)	Monitoring of Operations; Waste storage tanks-Vapor pressure tests ASTM D 323 method	Y	
60.116b(f)(2)(iii)	Monitoring of Operations; Waste storage tanks-Vapor pressure tests-other approved method	Y	
60.116b(g)	Monitoring of Operations; Exemption from 116b(c) and 116b(d) when control device meeting 60.112b in use	Y	
40 CFR 63	**National Emission Standards for Hazardous Air Pollutants for Source Categories**	Y	
Subpart A	General Provisions	Y	
63.1	Applicability	Y	
63.2	Definitions	Y	
63.3	Units and abbreviations	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	

IV. Source-Specific Applicable Requirements

Table IV – A
Source-specific Applicable Requirements
S-1 THROUGH S-10 - FIXED ROOF TANKS
Subject to NSPS Subpart K and MACT Subpart R

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	
63.13	Addresses of EPA Regional Offices	Y	
63.14	Incorporation by Reference	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) (12/14/1994)**	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	Y	
63.423(a)	Requirements per 60.112b(a) (1) through (4)	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)	Thermal oxidizer 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	

IV. Source-Specific Applicable Requirements

Table IV – A
Source-specific Applicable Requirements
S-1 THROUGH S-10 - FIXED ROOF TANKS
Subject to NSPS Subpart K and MACT Subpart R

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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 (10/22/1997)**	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	

IV. Source-Specific Applicable Requirements

Table IV – A
Source-specific Applicable Requirements
S-1 THROUGH S-10 - FIXED ROOF TANKS
Subject to NSPS Subpart K and MACT Subpart R

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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)	Submit existing operating parameter data from applicable compliance or performance test on control device.	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	Deadline for submittals	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	

IV. Source-Specific Applicable Requirements

Table IV – A
Source-specific Applicable Requirements
S-1 THROUGH S-10 - FIXED ROOF TANKS
Subject to NSPS Subpart K and MACT Subpart R

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part IIID, Schedule D	Organic emission shall be assumed using an emission factor of 1.44 lb/1000 barrels for Vapor Control Equipment/Vapor Recovery System Emissions [Basis: Cumulative Increase]	Y	

IV. Source-Specific Applicable Requirements

Table IV – B
Source-specific Applicable Requirements
S-11, S-18 AND S-19 - FIXED ROOF TANK
Not Subject to NSPS Subpart K and MACT Subpart R due to Capacity

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 5	**Organic Compounds--Storage of Organic Liquids (10/18/2006)**		
8-5-101	Description	Y	
8-5-111	Limited Exemption, Tank Removal From and Return to Service	N	
8-5-112	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation	N	
8-5-117	Exemption, Low Vapor Pressure	Y	
8-5-301	Storage Tanks Control Requirements	N	
8-5-302	Requirements for Submerged Fill Pipes	N	
8-5-303	Requirements for Pressure Vacuum Valves	N	
8-5-328	Tank degassing requirements	N	
8-5-306	Requirements for Approved Emission Control System	N	
8-5-328.1	Concentration of <10,000 ppm as methane after degassing	N	
8-5-328.2	No degassing during ozone excess	Y	
8-5-328.3	Notification requirements	N	
8-5-331	Tank Cleaning Requirements	N	
8-5-403	Inspection Requirements for Pressure Relief Valves	N	
8-5-404	Inspection, Abatement Efficiency Determination and Source Test Reports	N	
8-5-501	Recordkeeping requirements	N	
8-5-502	Source Test Requirements:	N	
8-5-605	Measurement of Leak Concentrations and Residual Concentrations	N	
8-5-606	Analysis of Samples, Tank Cleaning Agents	N	
SIP Regulation 8, Rule 5	**Organic Compounds-Storage of Organic Liquids (06/05/2003)**		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
8-5-112	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation	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 degassing requirements	Y	

IV. Source-Specific Applicable Requirements

Table IV – B
Source-specific Applicable Requirements
S-11, S-18 AND S-19 - FIXED ROOF TANK
Not Subject to NSPS Subpart K and MACT Subpart R due to Capacity

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-5-328.1.2	Concentration of <10,000 ppm as methane after degassing	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 degassing 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 (10/22/1997)**	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)	Submit existing operating parameter data from applicable compliance or performance test on control device.	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	Deadline for submittals	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	

IV. Source-Specific Applicable Requirements

Table IV – B
Source-specific Applicable Requirements
S-11, S-18 AND S-19 - FIXED ROOF TANK
Not Subject to NSPS Subpart K and MACT Subpart R due to Capacity

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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	
Part IIID, Schedule D	Organic emission shall be assumed using an emission factor of 1.44 lb/1000 barrels for Vapor Control Equipment/Vapor Recovery System Emissions [Basis: Cumulative Increase]	Y	

IV. Source-Specific Applicable Requirements

Table IV – C
Source-specific Applicable Requirements
S-12 - FIXED ROOF TANK
Subject to MACT Subpart R but not NSPS Subpart K due to Capacity

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 5	**Organic Compounds- Storage of Organic Liquids (10/18/2006)**		
8-5-101	Description	Y	
8-5-111	Limited Exemption, Tank Removal From and Return to Service	N	
8-5-112	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation	N	
8-5-117	Exemption, Low Vapor Pressure	Y	
8-5-301	Storage Tanks Control Requirements	N	
8-5-303	Requirements for Pressure Vacuum Valves	N	
8-5-306	Requirements for Approved Emission Control System	N	
8-5-328	Tank degassing requirements	N	
8-5-328.1	Concentration of <10,000 ppm as methane after degassing	N	
8-5-328.2	No degassing during ozone excess	Y	
8-5-328.3	Notification requirements	N	
8-5-331	Tank Cleaning Requirements	N	
8-5-403	Inspection Requirements for Pressure Relief Valves	N	
8-5-404	Inspection, Abatement Efficiency Determination and Source Test Reports	N	
8-5-501	Recordkeeping requirements	N	
8-5-502	Source Test Requirements:	N	
8-5-605	Measurement of Leak Concentrations and Residual Concentrations	N	
8-5-606	Analysis of Samples, Tank Cleaning Agents	N	
SIP Regulation 8, Rule 5	**Organic Compounds-Storage of Organic Liquids (06/05/2003)**		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
8-5-112	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation	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 degassing requirements	Y	

IV. Source-Specific Applicable Requirements

Table IV – C
Source-specific Applicable Requirements
S-12 - FIXED ROOF TANK
Subject to MACT Subpart R but not NSPS Subpart K due to Capacity

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-5-328.1.2	Concentration of <10,000 ppm as methane after degassing	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 degassing annual source test requirement	Y	
8-5-503	Portable hydrocarbon detector	Y	
8-5-605	Pressure-Vacuum Valve Gas Tight Determination	Y	
BAAQMD Regulation 10	**Standards of Performance for New Stationary Sources incorporated by reference (02/16/2000)**		
10-1	Subpart A – General Provisions (12/20/1995)	Y	
10-17	Subpart Kb -- Standards Of Performance For Volatile Organic Liquid Storage Vessels	Y	
440 CFR 60 Subpart Kb	**NSPS – Standards of Performance for Storage Vessels for Petroleum Liquids for which Construction, Reconstruction, or Modification Commence After May 18, 1978, and Prior to July 23, 1984 [required by NESHAPS Part 63 Subpart R 63.423(a), 63.425(d) and 63.427(c)]**		
60.112b(a)(3)	Standard for Volatile Organic Compounds (VOC); Closed vent system and control device	Y	
60.112b(a)(3)(i)	Standard for Volatile Organic Compounds (VOC); Closed vent system and control device no detectable emissions	Y	
60.112b(a)(3)(ii)	Standard for Volatile Organic Compounds (VOC); Closed vent system and control device >= 95% inlet VOC emission reduction.	Y	
60.113b	Testing and Procedures	Y	
60.113b(c)	Testing and Procedures; Closed vent system and control device (not flare)	Y	
60.113b(c)(1)	Testing and Procedures; Closed vent system and control device (not flare) operating plan submission	Y	
60.113b(c)(1)(i)	Testing and Procedures; Closed vent system and control device (not flare) operating plan--efficiency demonstration	Y	
60.113b(c)(1)(ii)	Testing and Procedures; Closed vent system and control device (not flare) operating plan--monitoring parameters	Y	

IV. Source-Specific Applicable Requirements

Table IV – C
Source-specific Applicable Requirements
S-12 - FIXED ROOF TANK
Subject to MACT Subpart R but not NSPS Subpart K due to Capacity

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.113b(c)(2)	Testing and Procedures; Closed vent system and control device (not flare) operate in accordance with operating plan	Y	
60.116b	Monitoring of Operations	Y	
60.116b(a)	Monitoring of Operations; Record retention	Y	
60.116b(b)	Monitoring of Operations; Permanent record requirements	Y	
60.116b(c)	Monitoring of Operations; VOL storage record requirements	Y	
60.116b(d)	Monitoring of Operations; Notify within 30 days when the maximum TVP is exceeded	Y	
60.116b(e)	Monitoring of Operations; Maximum true vapor pressure (TVP)	Y	
60.116b(e)(1)	Monitoring of Operations; TVP Determination Criteria	Y	
60.116b(e)(2)	Monitoring of Operations; TVP Determination Criteria, Crude Oil	Y	
60.116b(e)(2)(i)	Monitoring of Operations; Determine TVP-crude oil or refined petroleum products by API method	Y	
60.116b(e)(2)(ii)	Monitoring of Operations; Determine TVP-crude oil or refined petroleum products other than API method	Y	
60.116b(e)(3)	Monitoring of Operations; Determine TVP	Y	
60.116b(e)(3)(i)	Monitoring of Operations; Determine TVP-other liquids-standard reference texts	Y	
60.116b(e)(3)(ii)	Monitoring of Operations; Determine TVP-other liquids-ASTM method	Y	
60.116b(e)(3)(iii)	Monitoring of Operations; Determine TVP-other liquids-other approved measurement method	Y	
60.116b(e)(3)(iv)	Monitoring of Operations; Determine TVP-other liquids-other approved calculation method	Y	
60.116b(f)	Monitoring of Operations; Waste storage tanks (indeterminate or variable composition)	Y	
60.116b(f)(1)	Monitoring of Operations; Waste storage tanks-Determine maximum possible TVP	Y	
60.116b(f)(2)	Monitoring of Operations; Waste storage tanks-Vapor pressure tests	Y	
60.116b(f)(2)(i)	Monitoring of Operations; Waste storage tanks-Vapor pressure tests ASTM D 2879 method	Y	
60.116b(f)(2)(ii)	Monitoring of Operations; Waste storage tanks-Vapor pressure tests ASTM D 323 method	Y	

IV. Source-Specific Applicable Requirements

Table IV – C
Source-specific Applicable Requirements
S-12 - FIXED ROOF TANK
Subject to MACT Subpart R but not NSPS Subpart K due to Capacity

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.116b(f)(2)(iii)	Monitoring of Operations; Waste storage tanks-Vapor pressure tests-other approved method	Y	
60.116b(g)	Monitoring of Operations; Exemption from 116b(c) and 116b(d)	Y	
40 CFR 63	**National Emission Standards for Hazardous Air Pollutants for Source Categories**	Y	
Subpart A	General Provisions	Y	
63.1	Applicability	Y	
63.2	Definitions	Y	
63.3	Units and abbreviations	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	
63.13	Addresses of EPA Regional Offices	Y	
63.14	Incorporation by Reference	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) (12/14/1994)**	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 per 60.112b(a) (1) through (4)	Y	
63.423(c)	December 15, 1997 deadline	Y	
63.425	Test methods and procedures	Y	

IV. Source-Specific Applicable Requirements

Table IV – C
Source-specific Applicable Requirements
S-12 - FIXED ROOF TANK
Subject to MACT Subpart R but not NSPS Subpart K due to Capacity

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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)	Thermal Oxidizer 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 (10/22/1997)**	Y	
64.2(a)	Applicability	Y	
64.3	Monitoring design criteria	Y	

IV. Source-Specific Applicable Requirements

Table IV – C
Source-specific Applicable Requirements
S-12 - FIXED ROOF TANK
Subject to MACT Subpart R but not NSPS Subpart K due to Capacity

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
64.3(a)	General criteria	Y	
64.3(a)(1)	Data for one or more indicators	Y	
64.3(a)(2)	Indicator range	Y	
64.3(a)(3)	Design of indicator ranges	Y	
64.3(b)	Performance criteria	Y	
64.3(b)(1)	Specifications for obtaining data	Y	
64.3(b)(2)	Verification procedures	Y	
64.3(b)(3)	Quality assurance and control practices	Y	
64.3(b)(4)	Specifications for frequency, procedures, and averaging periods	Y	
64.3(b)(4)(i)	Design of period over which data are obtained, etc.	Y	
64.3(b)(4)(iii)	Frequency for other pollutant-specific emission units	Y	
64.3(c)	Evaluation factors	Y	
64.4	Submittal requirements	Y	
64.4(a)	Submittal of monitoring that satisfies design requirements in 40 CFR 63.4	Y	
64.4(b)	Justification for the proposed monitoring	Y	
64.4(b)(1)	Presumptively acceptable monitoring approaches	Y	
64.4(c)	Submit existing operating parameter data from applicable compliance or performance test on control device.	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	Deadline for submittals	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	

IV. Source-Specific Applicable Requirements

Table IV – C
Source-specific Applicable Requirements
S-12 - FIXED ROOF TANK
Subject to MACT Subpart R but not NSPS Subpart K due to Capacity

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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 be assumed using an emission factor of 1.44 lb/1000 barrels for Vapor Control Equipment/Vapor Recovery System Emissions [Basis: Cumulative Increase]	Y	

IV. Source-Specific Applicable Requirements

Table IV – D
Source-specific Applicable Requirements
S-13, S-14, S-15, S-16 – EXTERNAL FLOATING ROOF TANKS
Subject to NSPS Subpart Kb

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 5	**Organic Compounds- Storage of Organic Liquids (10/18/2006)**		
8-5-101	Description	Y	
8-5-111	Limited Exemption, Tank Removal From and Return to Service	N	
8-5-112	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation	N	
8-5-117	Exemption, Low Vapor Pressure	Y	
8-5-301	Storage Tanks Control Requirements	N	
8-5-304	Requirements for External Floating Roofs	N	
8-5-320	Tank fitting requirements	Y	
8-5-320.2	Openings in the roof	Y	
8-5-320.3	Gasketed Covers	Y	
8-5-320.3.1	Gasketed Covers - Gap Requirements	Y	
8-5-320.4	Solid sampling or gauging wells	Y	
8-5-320.4.1	The well shall provide a projection below the liquid surface	Y	
8-5-320.4.2	The well shall be equipped with a cover	Y	
8-5-320.4.3	The gap between the well and the roof	Y	
8-5-320.5	Slotted sampling or gauging wells	Y	
8-5-320.5.1	The well shall provide a projection below the liquid surface	Y	
8-5-320.5.2	The well requirements	Y	
8-5-320.5.3	The gap between the well and the roof	Y	
8-5-320.6	Emergency roof drain	Y	
8-5-321	Primary seal requirements	Y	
8-5-321.1	No holes, tears, or other openings in the primary seal fabric	Y	
8-5-321.2	The seal shall be liquid mounted except as provided in 8-5-311.2.2	Y	
8-5-321.3	Metallic shoe type seals	Y	
8-5-321.3.1	Geometry of shoe	Y	
8-5-321.3.2	Gaps for welded tanks	Y	
8-5-322	Secondary seal requirements	Y	
8-5-322.1	No holes, tears, or other openings in the secondary seal	Y	
8-5-322.2	Insertion of probes	Y	
8-5-322.3	Gaps for welded tanks	Y	

IV. Source-Specific Applicable Requirements

Table IV – D
Source-specific Applicable Requirements
S-13, S-14, S-15, S-16 – EXTERNAL FLOATING ROOF TANKS
Subject to NSPS Subpart Kb

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-5-322.5	For welded external floating roof tank with seal installed after September 4, 1985, no gap between tank shell and the secondary seal shall exceed 1.5 mm (0.06 in.). The cumulative length of all secondary seal gaps exceeding 0.5 mm (0.02 in.) shall be not more than 5% of the circumference of the tank excluding gaps less than 5 cm (1.79 in.) from vertical weld seams.	Y	
8-5-322.6	The secondary seal shall extend from the roof to the tank shell and shall not be attached to the primary seal.	Y	
8-5-328	Tank Degassing requirements	N	
8-5-328.1	Concentration of <10,000 ppm as methane after degassing	N	
8-5-328.2	No degassing during ozone excess	Y	
8-5-328.3	Notification requirements	N	
8-5-331	Tank Cleaning Requirements	N	
8-5-401	Primary seal inspection	N	
8-5-401.1	Primary and Secondary Seals Inspection twice per calendar year	N	
8-5-401.2	Tank Fitting Inspection twice per calendar year	N	
8-5-501	Records	N	
8-5-502	Source test requirement	N	
SIP Regulation 8, Rule 5	**Organic Compounds-Storage of Organic Liquids (06/05/2003)**		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
8-5-112	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation	Y	
8-5-301	Storage Tanks Control Requirements	Y	
8-5-304	Requirements for External Floating Roofs	Y	
8-5-328	Tank degassing requirements	Y	
8-5-328.1.2	Concentration of <10,000 ppm as methane after degassing	Y	
8-5-401	Primary seal inspection	Y	
8-5-401.1	Primary and Secondary Seals Inspection twice per calendar year	Y	
8-5-401.2	Tank Fitting Inspection twice per calendar year	Y	
8-5-501	Keep records	Y	
8-5-502	Tank degassing annual source test requirement	Y	
8-5-503	Portable hydrocarbon detector	Y	

IV. Source-Specific Applicable Requirements

Table IV – D
Source-specific Applicable Requirements
S-13, S-14, S-15, S-16 – EXTERNAL FLOATING ROOF TANKS
Subject to NSPS Subpart Kb

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 10	**Standards of Performance for New Stationary Sources incorporated by reference (02/16/2000)**		
10-1	Subpart A – General Provisions (12/20/1995)	Y	
10-15	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	
10-17	Subpart Kb -- Standards Of Performance For Volatile Organic Liquid Storage Vessels	Y	
40 CFR 60	**Standards of Performance for New Stationary Sources (12/23/71)**	Y	
Subpart A	General Provisions	Y	
60.1	Applicability	Y	
60.2	Definitions	Y	
60.3	Units and Abbreviations	Y	
60.4	Address	Y	
60.4(b)	Reports to EPA and District	Y	
60.5	Determination of Construction or Modification	Y	
60.6	Review of Plans	Y	
60.7	Notification and Recordkeeping	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	Compliance with Standards and Maintenance Requirements	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	
60.14	Modification	Y	
60.15	Reconstructions	Y	
60.17	Incorporated by Reference	Y	
60.19	General notification and reporting requirements	Y	

IV. Source-Specific Applicable Requirements

Table IV – D
Source-specific Applicable Requirements
S-13, S-14, S-15, S-16 – EXTERNAL FLOATING ROOF TANKS
Subject to NSPS Subpart Kb

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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	Applicability and Designation of Affected Facility	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 floating roof, 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	
NSPS Part 60 Subpart Kb	**NSPS – Standards of Performance for Storage Vessels for Petroleum Liquids for which Construction, Reconstruction, or Modification Commence After May 18, 1978, and Prior to July 23, 1984**	Y	
60.110b	Applicability and Designation of Affected Facility	Y	
60.110b(a)	Applicability and Designation of Affected Facility; Volatile organic liquid storage vessels > or = to 75 cu m, after 7/23/1984	Y	
60.110b(b)	Applicability and Designation of Affected Facility – Exemption for low vapor pressure; NSPS Kb does not apply to vessels with capacity > 151 cu m and TVP < 3.5 kPa or to vessels with capacity >= 75 cu m and <= 151 cu m and TVP < 15.0 kPa.	Y	
60.112b	Standard for Volatile Organic Compounds (VOC)	Y	
60.112b(a)	Standard for Volatile Organic Compounds (VOC); Requirement for tanks-- > 151 cu m with maximum TVP >=5.2 kPa and <76.6; or >= 75 cu m and < 151 cu m with maximum TVP >= 27.6 kPa and < 76.6 kPa	Y	
60.112b(a)(2)	Standard for Volatile Organic Compounds (VOC); External floating roof option	Y	
60.112b(a)(2)(i)	Standard for Volatile Organic Compounds (VOC); External floating roof seal requirements	Y	
60.112b(a)(2)(i) (A)	Standard for Volatile Organic Compounds (VOC); External floating roof primary seal requirements	Y	
60.112b(a)(2)(i) (B)	Standard for Volatile Organic Compounds (VOC); External floating roof secondary seal requirements	Y	
60.112b(a)(2)(ii)	Standard for Volatile Organic Compounds (VOC); External floating roof openings requirements	Y	

IV. Source-Specific Applicable Requirements

Table IV – D
Source-specific Applicable Requirements
S-13, S-14, S-15, S-16 – EXTERNAL FLOATING ROOF TANKS
Subject to NSPS Subpart Kb

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.112b(a)(2)(iii)	Standard for Volatile Organic Compounds (VOC); External floating roof floating requirements	Y	
60.112b(a)(3)	Standard for Volatile Organic Compounds (VOC); Closed vent system and control device	Y	
60.113b	Testing and Procedures	Y	
60.113b(b)	Testing and Procedures; External floating roof	Y	
60.113b(b)(1)	Testing and Procedures; External floating roof seal gap measurement frequency	Y	
60.113b(b)(1)(i)	Testing and Procedures; External floating roof primary seal gaps measurement frequency	Y	
60.113b(b)(1)(ii)	Testing and Procedures; External floating roof secondary seal gaps measurement frequency	Y	
60.113b(b)(1)(iii)	Testing and Procedures; External floating roof reintroduction of VOL	Y	
60.113b(b)(2)	Testing and Procedures; External floating roof seal gap measurement procedures	Y	
60.113b(b)(2)(i)	Testing and Procedures; External floating roof measure seal gaps when roof is floating	Y	
60.113b(b)(2)(ii)	Testing and Procedures; External floating roof measure seal gaps around entire circumference	Y	
60.113b(b)(2)(iii)	Testing and Procedures; External floating roof seal method to determine surface area of seal gaps	Y	
60.113b(b)(3)	Testing and Procedures; External floating roof method to calculate total surface area ratio	Y	
60.113b(b)(4)	Testing and Procedures; External floating roof seal gap repair requirements	Y	
60.113b(b)(4)(i)	Testing and Procedures; External floating roof primary seal gap limitations	Y	
60.113b(b)(4)(i)(A)	Testing and Procedures; External floating roof mechanical shoe primary seal requirements	Y	
60.113b(b)(4)(i)(B)	Testing and Procedures; External floating roof primary seals no holes, tears, openings	Y	
60.113b(b)(4)(ii)	Testing and Procedures; External floating roof secondary seal	Y	

IV. Source-Specific Applicable Requirements

Table IV – D
Source-specific Applicable Requirements
S-13, S-14, S-15, S-16 – EXTERNAL FLOATING ROOF TANKS
Subject to NSPS Subpart Kb

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.113b(b)(4)(ii)(A)	Testing and Procedures; External floating roof secondary seal installation	Y	
60.113b(b)(4)(ii)(B)	Testing and Procedures; External floating roof secondary seal gap	Y	
60.113b(b)(4)(ii)(C)	Testing and Procedures; External floating roof secondary seals no holes, tears, openings	Y	
60.113b(b)(4)(iii)	Testing and Procedures; External floating roof 30-day extension request for seal gap repairs	Y	
60.113b(b)(5)	Testing and Procedures; External floating roof seal gap inspections 30 day notification	Y	
60.113b(b)(6)	Testing and Procedures; External floating roof visual inspection when emptied and degassed	Y	
60.113b(b)(6)(i)	Testing and Procedures; External floating roof--roof or seal defect repairs	Y	
60.113b(b)(6)(ii)	Testing and Procedures; External floating roof notification prior to filling	Y	
60.115b	Recordkeeping and Reporting Requirements	Y	
60.115b(b)	Reporting and Recordkeeping Requirements; 60.112b(a) external floating	Y	
60.115b(b)(1)	Reporting and Recordkeeping Requirements; 60.112b(a) external floating roof control equipment description and certification	Y	
60.115b(b)(2)	Reporting and Recordkeeping Requirements; 60.112b(a) external floating	Y	
60.115b(b)(2)(i)	Reporting and Recordkeeping Requirements; 60.112b(a) external floating roof seal gap measurement report--date of measurement	Y	
60.115b(b)(2)(ii)	Reporting and Recordkeeping Requirements; 60.112b(a) external floating roof seal gap measurement report--raw data	Y	
60.115b(b)(2)(iii)	Reporting and Recordkeeping Requirements; 60.112b(a) external floating roof seal gap measurement report--calculations	Y	
60.115b(b)(3)	Reporting and Recordkeeping Requirements; 60.112b(a) external floating roof seal gap measurement records	Y	
60.115b(b)(3)(i)	Reporting and Recordkeeping Requirements; 60.112b(a) external floating roof seal gap measurement records--date of measurement	Y	
60.115b(b)(3)(ii)	Reporting and Recordkeeping Requirements; 60.112b(a) external floating roof seal gap measurement records--raw data	Y	

IV. Source-Specific Applicable Requirements

Table IV – D
Source-specific Applicable Requirements
S-13, S-14, S-15, S-16 – EXTERNAL FLOATING ROOF TANKS
Subject to NSPS Subpart Kb

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.115b(b)(3)(iii)	Reporting and Recordkeeping Requirements; 60.112b(a) external floating roof seal gap measurement records--calculations	Y	
60.115b(b)(4)	Reporting and Recordkeeping Requirements; 60.112b(a) external floating roof seal gap exceedance report	Y	
60.116b	Monitoring of Operations	Y	
60.116b(a)	Monitoring of Operations; Record retention	Y	
60.116b(b)	Monitoring of Operations; Permanent record requirements	Y	
60.116b(c)	Monitoring of Operations; VOL storage record requirements	Y	
60.116b(d)	Monitoring of Operations; Notify within 30 days when the maximum TVP is exceeded	Y	
60.116b(e)	Monitoring of Operations; Maximum true vapor pressure (TVP)	Y	
60.116b(e)(1)	Monitoring of Operations; TVP Determination Criteria	Y	
60.116b(e)(2)	Monitoring of Operations; TVP Determination Criteria, Crude Oil	Y	
60.116b(e)(2)(i)	Monitoring of Operations; Determine TVP-crude oil or refined petroleum products by API method	Y	
60.116b(e)(2)(ii)	Monitoring of Operations; Determine TVP-crude oil or refined petroleum products other than API method	Y	
60.116b(e)(3)	Monitoring of Operations; Determine TVP	Y	
60.116b(e)(3)(i)	Monitoring of Operations; Determine TVP-other liquids-standard reference texts	Y	
60.116b(e)(3)(ii)	Monitoring of Operations; Determine TVP-other liquids-ASTM method	Y	
60.116b(e)(3)(iii)	Monitoring of Operations; Determine TVP-other liquids-other approved measurement method	Y	
60.116b(e)(3)(iv)	Monitoring of Operations; Determine TVP-other liquids-other approved calculation method	Y	
60.116b(f)	Monitoring of Operations; Waste storage tanks (indeterminate or variable composition)	Y	
60.116b(f)(1)	Monitoring of Operations; Waste storage tanks-Determine maximum possible TVP	Y	
60.116b(f)(2)	Monitoring of Operations; Waste storage tanks-Vapor pressure tests	Y	
60.116b(f)(2)(i)	Monitoring of Operations; Waste storage tanks-Vapor pressure tests ASTM D 2879 method	Y	

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Source-specific Applicable Requirements
S-13, S-14, S-15, S-16 – EXTERNAL FLOATING ROOF TANKS
Subject to NSPS Subpart Kb

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.116b(f)(2)(ii)	Monitoring of Operations; Waste storage tanks-Vapor pressure tests ASTM D 323 method	Y	
60.116b(f)(2)(iii)	Monitoring of Operations; Waste storage tanks-Vapor pressure tests-other approved method	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	

IV. Source-Specific 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
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 Loading and Lightering:	N	
8-44-301.1	Loading a regulated organic liquid in marine tank vessel must comply with the control requirements of 8-44-304	N	
8-44-301.2	Loading of liquid into a cargo tank when prior cargo was a regulated organic liquid must comply with the control requirements of 8-44-304	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 use of combination of segregated ballast tanks, dedicated clean ballast tanks, internal vapor balancing and compression ballasting.	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 to prevent PRV venting	N	
8-44-304	Emission Control Requirements	N	
8-44-304.1	Limit emission to 5.7 grams per cubic meter (2 lbs/1000 bbls) or emission control $\geq$ 95% wt., and	N	
8-44-304.2	Emission control designed and operated for all 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	

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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-44-305.4	Minimize, and tag any gas leak within 4 hours of discovery and repair prior to the next operation	N	
8-44-403	Notifications Regarding Safety/Emergency Exemption	N	
8-44-404	Notifications for Operations Conducted Other Than at Marine Terminals	N	
8-44-404.1	Name of the marine tank vessel	N	
8-44-404.2	The San Francisco Bay Area agent for the vessel	N	
8-44-404.3	The description of the operation	N	
8-44-404.4	The location of operation	N	
8-44-404.5	The type, amount or liquid loaded and the means used to comply with 8-44-301 when lightering	N	
8-44-404.6	The amount of ballasted water, prior cargo name and trade designation, the means used to comply with 8-44-302	N	
8-44-404.7	Tank cleaning, volume, prior cargo name and trade designation, the means used to clean each tank	N	
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 of inspections, identification of liquid or gas leak in excess 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 in excess of 8-44-305.1	N	
8-44-501.3	Record for the following when venting	N	

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Source-specific Applicable Requirements
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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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 in excess of 8-44-305.1	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	
8-44-502.1.8	Date and time of inspections, identification of equipment leak in excess of 8-44-305.2	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 in excess of 8-44-305.2	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	

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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-44-502.3.8	Date and time of inspections, identification of equipment leak in excess of 8-44-305.2	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	
SIP 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	Marine Terminal Loading Limit	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	Equipment Maintenance	Y	
8-44-304.1	Certified leak free, gas tight and in good working vessel, and	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	Safety/Emergency operations	Y	

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Source-specific Applicable Requirements
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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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	
BAAQMD Regulation 9, Rule 1	**Inorganic Gaseous Pollutants – Sulfur Dioxide (3/15/95)**		
9-1-303	Emissions from Ships	Y	
9-1-602	Sulfur content of Fuels	Y	
40 CFR 63 Subpart A	**National Emission Standards for Hazardous Air Pollutants for Source Categories -- General Provisions**	Y	
63.1	Applicability	Y	
63.2	Definitions	Y	
63.3	Units and abbreviations	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	
63.13	Addresses of EPA Regional Offices	Y	
63.14	Incorporation by Reference	Y	
63.15	Availability of Information and confidentiality	Y	
63.16	Performance Track Provisions	Y	

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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
NESHAPS Part 63 Subpart Y	**National Emission Standards for Marine Tank Vessel Loading Operations**	Y	
63.560(a)	Maximum Achievable Control Technology (MACT) Applicability	Y	
63.560(a)(2)	Maximum Achievable Control Technology (MACT) Applicability; Existing sources with emissions less than 10 and 25 tons are not subject to MACT Standards	Y	
63.560(a)(3)	Maximum Achievable Control Technology (MACT) Applicability; Existing sources with emissions less than 10 and 25 tons are subject to recordkeeping at 63.567(j)(4) and emissions estimates at 63.565(l)	Y	
63.560(a)(4)	Maximum Achievable Control Technology (MACT) Applicability; Existing sources with emissions less than 10 and 25 tons must meet the submerged fill standards of 46 CFR 153.282.	Y	
63.560(b)	Reasonable available control technology (RACT) Applicability	Y	
63.560(b)(1)	Sources with throughput of 10 million barrels or 200 million barrels	Y	
63.560(c)	Comply with 40 CFR 63 Subpart A per Table 1	Y	
63.560(d)	Exemptions from MACT and RACT Standards	Y	
63.560(d)(7)	Marine tank vessel ballasting operations are exempt from Subpart Y	Y	
63.560(e)	Compliance dates	Y	
63.560(e)(2)	RACT compliance dates for sources with an initial startup date on or before September 21, 1998	Y	
63.562(a)	Emission limitations	Y	
63.562(c)	RACT standards	Y	
63.562(c)(1)	Proof of construction of vapor collection system	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)	Owner may apply for a maintenance allowance for loading berths	Y	
63.562(e)	Operation & maintenance requirements for air pollution control equipment	Y	

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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.562(e)(1)	Administrator will 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 plan 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 may be used	Y	
63.563	Compliance and performance testing	Y	
63.563(a)(1)	Vent stream by-pass requirements for the terminal's vapor collection system	Y	
63.563(a)(1)(i)	Car-seal or lock closed all valves that directly or indirectly route vapors to atmosphere	Y	
63.563(a)(1)(ii)	Repairs required in 15 days	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	

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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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 during loading	Y	
63.563(a)(4)(iii)(A)	No leak documentation	Y	
63.563(a)(4)(iii)(B)	Leak detected process	Y	
63.563(a)(4)(iv)	Negative pressure loading	Y	
63.563(b)	Compliance determination	Y	
63.563(b)(1)	Initial performance test	Y	
63.563(b)(2)	Performance test exemptions for boiler or process heater	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 required percent combustion efficiency	Y	
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	Y	
63.564(a)(1)	Comply with monitoring requirement in 63.8	Y	
63.564(a)(2)	Monitor specified equipment parameters	Y	
63.564(a)(3)	CPMS and CEMS in continuous operation while loading	Y	
63.564(a)(4)	CMS comply with 63.7(c)(6), CEMS comply with 40 CFR 60 Appendix B performance specification	Y	
63.564(a)(5)	Submit all information concerning CEMS out of control periods	Y	

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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.564(b)	Vapor collection system of terminal with control system by-pass valve	Y	
63.564(b)(1)	Measure and record vent stream flowrate by-pass line	Y	
63.564(b)(2)	Flow indicator alarm on by-pass line	Y	
63.564(b)(3)	Visual inspection	Y	
63.564(c)	Pressure/vacuum settings for the marine tank vessel's vapor collection equipment	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	Test methods and procedures	Y	
63.565(a)	Performance testing	Y	
63.565(b)	Pressure/vacuum settings of marine tank vessel's vapor collection equipment	Y	
63.565(b)(1)	Calibrate and install a pressure measurement device	Y	
63.565(b)(2)	Connect the pressure measurement device to a pressure tap in the terminal's vapor collection system	Y	
63.565(b)(3)	Record the pressure	Y	
63.565(c)	Vapor tightness test procedures for the marine tank vessel	Y	
63.565(c)(1)	Pressure test for the marine tank vessel	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 after one half hour, calculate pressure change	Y	
63.565(c)(1)(iv)	Compare the pressure	Y	
63.565(c)(1)(v)	If pressure change is less than allowable, vessel is vapor tight	Y	
63.565(c)(1)(vi)	If not vapor tight, find and repair leak	Y	
63.565(c)(2)	Leak test for the marine tank vessel	Y	

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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.565(d)(1)	Testing equipment preparation and installation	Y	
63.565(d)(2)	Test performed 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 calculation	Y	
63.565(d)(9)	Three repeats	Y	
63.565(f)	Baseline temperature	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(l)	Emission estimation procedures	Y	
63.565(m)	Alternate test procedures	Y	
63.565(m)(1)	Approved alternate test procedures may be used	Y	
63.565(m)(2)	Administrator approval	Y	
63.566	Construction and reconstruction	Y	
63.566(a)	Construction and reconstruction per 63.5	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	Recordkeeping and reporting	Y	
63.567(a)	Recordkeeping and reporting per 63.9 and 63.10 as detailed in 63.650	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)(3)	Initial notification for sources with startup after the effective date	Y	

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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)	Initial notification requirements for constructed/reconstructed sources	Y	
63.567(b)(5)	Additional initial notification requirements	Y	
63.567(c)	Request for extension of compliance	Y	
63.567(e)	Summary reports and excess emission and monitoring system performance reports	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)(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 for exceedances < 5% of total operating time	Y	
63.567(e)(6)	Summary report for exceedances >= 5% of total operating time	Y	
63.567(f)	Vapor collection system of the terminal	Y	
63.567(g)	Vent system by-passing control 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(j)	Emission estimation reporting and recordkeeping procedures	Y	
63.567(k)	Leak detection and repair of vapor collection systems and control device	Y	
63.567(m)	Malfunction reporting requirements	Y	
63.567(n)(1)	Electronic performance test report requirements	Y	
63.567(n)(2)	Other report requirements	Y	
63.568	Implementation and enforcement.	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	

IV. Source-Specific 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
64.3(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 64.3	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	Deadlines for submittals	Y	
64.5(b)	Deadline for submittals for other pollutant-specific emissions units	Y	
64.5(c)	Effective date to submit information under 64.4	Y	
64.5(d)	Prior to approval, emissions unit subject to 40 CFR 70.1(a)(3)(i)(B)	Y	
64.6	Approval of monitoring		
64.6(a)	Approval by permitting authority	Y	
64.6(b)	Additional data collection may be required for approval	Y	
64.6(c)	Establishment of permit terms or conditions	Y	
64.6(d)	Installation, testing or final verification	Y	
64.6(e)	Requirements if monitoring is disapproved	Y	
64.7	Operation of approved monitoring	Y	
64.7(a)	Commencement of operation	Y	
64.7(b)	Proper maintenance	Y	
64.7(c)	Continued operation	Y	
64.7(d)	Response to excursions or exceedances	Y	
64.7(e)	Documentation of need for improved monitoring	Y	
64.8	Quality improvement plan	Y	
64.8(a)	When QIP is required	Y	

IV. Source-Specific 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
64.8(b)	Elements of a QIP	Y	
64.8(c)	Preparation and implementation requirements for QIP	Y	
64.8(d)	When QIP modification is required	Y	
64.8(e)	QIP does not replace other regulatory requirements	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	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, Section 403]	Y	
Part IIC	Leak check procedures and methods per NSPS for equipment leaks from onshore natural gas processing plants [Basis: Cumulative Increase]	Y	
Part IID	Source S-21 shall be abated by A-1, thermal oxidizer. [Basis:BACT,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: Cumulative Increase]	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	

IV. Source-Specific 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 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 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	
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 6	Marine loading shall be abated at all times by the marine vapor recovery systems [Basis: Cumulative Increase]	Y	
Part IV, Section 7	Thermal oxidizer A-1 temperature limitation [Basis: Regulation 2-1-403]	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	
Part IV, Section 11	A-1 annual source test requirements	Y	

IV. Source-Specific Applicable Requirements

Table IV – G
Source-specific Applicable Requirements
S-30–OILY WATER SEPARATOR

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 8	**Organic Compounds-Wastewater (Oil/water) Separators (6/15/94)**		
8-8-114	Exemption, bypassed oil-water separator or air flotation influent	Y	
8-8-301	Wastewater separators greater than 760 liters day and smaller than 18.9 liters per second	Y	
8-8-301.1	Wastewater separators 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	N	
SIP Regulation 8 Rule 8	**Organic Compounds – Wastewater (Oil-Water) Separators (08/29/1994)**		
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	
BAAQMD Condition # 24966	**Permit Conditions**		
Part 1	Throughput Limit	Y	
Part 2	Abatement Requirement	Y	
Part 3	Monitoring Requirements	Y	
Part 4	Monitoring Recordkeeping Requirements	Y	
Part 5	Carbon Vessel Change out Requirement	Y	
Part 6	Carbon Vessel Change out Requirement	Y	
Part 7	Recordkeeping Requirements	Y	
Part 8	Reporting Requirements	Y	

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Table IV – H
Source-specific Applicable Requirements
S-27, S-28 - FIXED ROOF TANKS
Subject to NSPS Subpart Ka and MACT Subpart R

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	N	
8-5-112	Limited Exemption, Tanks in Operation	N	
8-5-117	Exemption, Low Vapor Pressure	Y	
8-5-301	Storage Tanks Control Requirements	N	
8-5-303	Requirements for Pressure Vacuum Valves	N	
8-5-306	Requirements for Approved Emission Control System	N	
8-5-328	Tank degassing requirements	N	
8-5-328.1	Concentration of <10,000 ppm as methane after degassing	N	
8-5-328.2	No degassing during ozone excess	Y	
8-5-328.3	Notification requirements	N	
8-5-331	Tank Cleaning Requirements	N	
8-5-403	Inspection Requirements for Pressure Relief Valves	N	
8-5-404	Inspection, Abatement Efficiency Determination and Source Test Reports	N	
8-5-501	Recordkeeping requirements	N	
8-5-502	Source Test Requirements:	N	
8-5-605	Measurement of Leak Concentrations and Residual Concentrations	N	
8-5-606	Analysis of Samples, Tank Cleaning Agents	N	
SIP Regulation 8, Rule 5	**Organic Compounds-Storage of Organic Liquids (06/05/2003)**		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
8-5-112	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation	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 degassing requirements	Y	
8-5-328.1.2	Concentration of <10,000 ppm as methane after degassing	Y	

IV. Source-Specific Applicable Requirements

Table IV – G
Source-specific Applicable Requirements
S-30–OILY WATER SEPARATOR

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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 degassing annual source test requirement	Y	
8-5-503	Portable hydrocarbon detector	Y	
8-5-605	Pressure-Vacuum Valve Gas Tight Determination	Y	
BAAQMD Regulation 10	**Standards of Performance for New Stationary Sources incorporated by reference (02/16/2000)**		
10-1	Subpart A – General Provisions (12/20/1995)	Y	
10-16	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	
40 CFR 60	**Standards of Performance for New Stationary Sources (12/23/71)**	Y	
Subpart A	General Provisions	Y	
60.1	Applicability	Y	
60.2	Definitions	Y	
60.3	Units and Abbreviations	Y	
60.4	Address	Y	
60.4(b)	Reports to EPA and District	Y	
60.5	Determination of Construction or Modification	Y	
60.6	Review of Plans	Y	
60.7	Notification and Recordkeeping	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	Compliance with Standards and Maintenance Requirements	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	
60.14	Modification	Y	
60.15	Reconstructions	Y	
60.17	Incorporated by Reference	Y	

IV. Source-Specific Applicable Requirements

Table IV – G
Source-specific Applicable Requirements
S-30–OILY WATER SEPARATOR

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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	
60.115a(b)	True vapor pressure	Y	
60.115a(c)	Estimation of true vapor pressure	Y	
40 CFR 60 Subpart Kb	**NSPS – Standards of Performance for Storage Vessels for Petroleum Liquids for which Construction, Reconstruction, or Modification Commence After May 18, 1978, and Prior to July 23, 1984 [Requirements for Storage Vessels subject to Part 63 Subpart R 63.423(a), 63.425(d) and 63.427(c)]**		
60.112b(a)	Standard for Volatile Organic Compounds (VOC); Requirement for tanks--> 151 cu m with maximum TVP >=5.2 kPa and <76.6; or >= 75 cu m and < 151 cu m with maximum TVP >= 27.6 kPa and < 76.6 kPa	Y	
60.112b(a)(3)	Standard for Volatile Organic Compounds (VOC); Closed vent system and control device	Y	
60.112b(a)(3)(i)	Standard for Volatile Organic Compounds (VOC); Closed vent system and control device no detectable emissions	Y	
60.112b(a)(3)(ii)	Standard for Volatile Organic Compounds (VOC); Closed vent system and control device >= 95% inlet VOC emission reduction.	Y	
60.113b	Testing and Procedures	Y	
60.113b(c)	Testing and Procedures; Closed vent system and control device (not flare)	Y	
60.113b(c)(1)	Testing and Procedures; Closed vent system and control device (not flare) operating plan submission	Y	
60.113b(c)(1)(i)	Testing and Procedures; Closed vent system and control device (not flare) operating plan--efficiency demonstration	Y	
60.113b(c)(1)(ii)	Testing and Procedures; Closed vent system and control device (not flare) operating plan--monitoring parameters	Y	
60.113b(c)(2)	Testing and Procedures; Closed vent system and control device (not flare) operate in accordance with operating plan	Y	

IV. Source-Specific Applicable Requirements

Table IV – G
Source-specific Applicable Requirements
S-30–OILY WATER SEPARATOR

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.116b	Monitoring of Operations	Y	
60.116b(a)	Monitoring of Operations; Record retention	Y	
60.116b(b)	Monitoring of Operations; Permanent record requirements	Y	
60.116b(c)	Monitoring of Operations; VOL storage record requirements	Y	
60.116b(d)	Monitoring of Operations; Notify within 30 days when the maximum TVP is exceeded	Y	
60.116b(e)	Monitoring of Operations; Maximum true vapor pressure (TVP)	Y	
60.116b(e)(1)	Monitoring of Operations; TVP Determination Criteria	Y	
60.116b(e)(2)	Monitoring of Operations; TVP Determination Criteria, Crude Oil	Y	
60.116b(e)(2)(i)	Monitoring of Operations; Determine TVP-crude oil or refined petroleum products by API method	Y	
60.116b(e)(2)(ii)	Monitoring of Operations; Determine TVP-crude oil or refined petroleum products other than API method	Y	
60.116b(e)(3)	Monitoring of Operations; Determine TVP	Y	
60.116b(e)(3)(i)	Monitoring of Operations; Determine TVP-other liquids-standard reference texts	Y	
60.116b(e)(3)(ii)	Monitoring of Operations; Determine TVP-other liquids-ASTM method	Y	
60.116b(e)(3)(iii)	Monitoring of Operations; Determine TVP-other liquids-other approved measurement method	Y	
60.116b(e)(3)(iv)	Monitoring of Operations; Determine TVP-other liquids-other approved calculation method	Y	
60.116b(f)	Monitoring of Operations; Waste storage tanks (indeterminate or variable composition)	Y	
60.116b(f)(1)	Monitoring of Operations; Waste storage tanks-Determine maximum possible TVP	Y	
60.116b(f)(2)	Monitoring of Operations; Waste storage tanks-Vapor pressure tests	Y	
60.116b(f)(2)(i)	Monitoring of Operations; Waste storage tanks-Vapor pressure tests ASTM D 2879 method	Y	
60.116b(f)(2)(ii)	Monitoring of Operations; Waste storage tanks-Vapor pressure tests ASTM D 323 method	Y	
60.116b(f)(2)(iii)	Monitoring of Operations; Waste storage tanks-Vapor pressure tests-other approved method	Y	
60.116b(g)	Monitoring of Operations; Exemption from 116b(c) and 116b(d)	Y	

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Table IV – G
Source-specific Applicable Requirements
S-30–OILY WATER SEPARATOR

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
40 CFR 63	**National Emission Standards for Hazardous Air Pollutants for Source Categories**	Y	
Subpart A	General Provisions	Y	
63.1	Applicability	Y	
63.2	Definitions	Y	
63.3	Units and abbreviations	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	
63.13	Addresses of EPA Regional Offices	Y	
63.14	Incorporation by Reference	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) (12/14/1994)**	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 per 60.112b(a) (1) through (4)	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	

IV. Source-Specific Applicable Requirements

Table IV – G
Source-specific Applicable Requirements
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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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)	Thermal oxidizer 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 (10/22/1997)**	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	

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Table IV – G
Source-specific Applicable Requirements
S-30–OILY WATER SEPARATOR

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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)	Submit existing operating parameter data from applicable compliance or performance test on control device.	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	Deadline for submittals	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	

IV. Source-Specific Applicable Requirements

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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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-27 and S-28 shall be abated by A-1, thermal oxidizer. [Basis: Cumulative Increase]	Y	
Part IIID, Schedule D	Organic emission shall be assumed using an emission factor of 1.44 lb/1000 barrels for Vapor Control Equipment/Vapor Recovery System Emissions [Basis: Cumulative Increase]	Y	

IV. Source-Specific 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 Regulation 6, Rule 1	**Particulate Matter -- General Requirements (12/05/2007)**		
6-1-301	Ringelmann No. 1 Limitation	N	
6-1-304	Tube Cleaning	N	
6-1-305	Visible Particles	N	
6-1-310	Particulate Weight Limitation	N	
6-1-310.3	Particulate Weight Limitation – Heat Transfer	N	
6-1-311	General Operations (process weight rate limitation)	N	
6-1-401	Appearance of Emissions	N	
6-1-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (09/04/1998)**		
6-301	Ringelmann Number 1 Limitation	Y	
6-304	Tube Cleaning	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-310.3	Particulate Weight Limitation -- Heat Transfer Operations	Y	
6-311	General Operations (process weight rate limitation)	Y	
6-401	Appearance of Emissions	Y	
6-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions	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	Y	
9-1-501	Area Monitoring Requirements	Y	
9-1-604	Ground Level Monitoring	Y	

IV. Source-Specific 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 Regulation 9 Rule 2	**Inorganic Gaseous Pollutants - Hydrogen Sulfide (10/06/1999)**		
9-2-110	Exemptions	N	
9-2-301	Limitations on Hydrogen Sulfide	N	
9-2-501	Area Monitoring Requirements	N	
9-2-601	Ground Level Monitoring	N	
BAAQMD Regulation 9, Rule 7	**Inorganic Gaseous Pollutants – Nitrogen Oxides and Carbon Monoxide from Industrial, Institutional, and Commercial Boilers, Steam Generators, and Process Heaters (5/4/2011)**		
9-7-301	Interim Emission Limits	N	
9-7-307	Final Emission Limits	N	
9-7-307.3	Emission Limits -- NOx at 15 ppmv, CO at 400 ppmv	N	
9-7-311	Insulation Requirements	N	
9-7-312	Stack Gas Temperature Limits	N	
9-7-403	Initial Demonstration of Compliance	N	
9-7-503	Records	N	
9-7-503.1	Tune-ups Records	N	
9-7-503.4	Initial and Periodic Testing Records	N	
9-7-506	Periodic Testing	N	
9-7-601	Determination of Nitrogen Oxides	N	
9-7-602	Determination of Carbon Monoxide and Stack-Gas Oxygen	N	
9-7-603	Compliance Determination	N	
9-7-604	Tune-Up Procedures	N	
SIP Regulation 9, Rule 7	**Inorganic Gaseous Pollutants – Nitrogen Oxides and Carbon Monoxide from Industrial, Institutional, and Commercial Boilers, Steam Generators, and Process Heaters (12/15/1997)**		
9-7-301	Emission Limits – Gaseous Fuel	Y	
9-7-301.1	Performance Standard, NOx	Y	
9-7-301.2	Performance Standard, CO	Y	
9-7-401	Compliance Schedule	Y	
9-7-403	Initial Demonstration of Compliance	Y	

IV. Source-Specific 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
9-7-501	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	Y	
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	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. [Basis: Cumulative Increase]	Y	
BAAQMD Condition # 13720	**Permit Conditions**		
Part 1	Natural gas usage limitation [Basis: Cumulative Increase]	Y	
Part 2	NOx limitation [Basis: BACT, Regulation 9-7-307.3]	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: Regulation 2-1-403]	Y	

IV. Source-Specific Applicable Requirements

Table IV – J.1
Source-specific Applicable Requirements
S-75 EMERGENCY DIESEL GENERATOR

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6 Rule 1	**Particulate Matter; General Requirements (12/05/2007)**		
6-1-303	Ringelmann Number 2 Limitation	N	
6-1-303.1	For Emergency Standy Engines	N	
6-1-305	Visible Particles	N	
6-1-310	Particulate Weight Limitation	N	
6-1-401	Appearance of Emissions	N	
6-1-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (09/04/1998)**		
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	
6-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible 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	
9-1-304	Liquid and Solid Fuels	Y	
BAAQMD Regulation 9, Rule 8	**Inorganic Gaseous Pollutants – Nitrogen Oxides and Carbon Monoxide from Stationary Internal Combustion Engines (8/1/2001)**		
9-8-110	Exemptions	N	
9-8-110.5	Exemption, Emergency Standby Engines	N	
9-8-330	Emergency Standby Engines, Hours of Operation	N	
9-8-330.1	Emergency Standby Engines, Hours of Operation, Emergency Use	N	
9-8-330.3	Emergency Standby Engines, 50 Hours of Operation, Non-Emergency	N	
9-8-502	Recordkeeping	N	

IV. Source-Specific Applicable Requirements

Table IV – J.1
Source-specific Applicable Requirements
S-75 EMERGENCY DIESEL GENERATOR

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
9-8-502.1	Monthly records of usage	N	
9-8-530	Emergency Standby Engines, Monitoring and Recordkeeping	N	
9-8-530.1	Total Hours of Operation	N	
9-8-530.2	Emergency Hours of Operation	N	
9-8-530.3	Emergency Conditions	N	
CARB ATCM	**Stationary Diesel Engine ATCM section 93115, Title 17, CA Code of Regulations**		
93115.1	Purpose	N	
93115.2	Applicability	N	
93115.4	Definitions	N	
93115.4(41)	"In-Use" means a Cl engine that is not a "new" Cl engine	N	
93115.4(50)	New or New CI Engine – installed after January 1, 2005 or a 2004 or 2005 model year engine purchased prior to January 1, 2005 for use in California or reconstructed after January 1, 2005	N	
93115.5	Fuel and Fuel Additive Requirements for New and In-Use Stationary CI Engines That Have a Rated Brake Horsepower of Greater than 50 bhp	N	
93115.5(b)	Fuel requirements for in-sue emergency standby stationary diesel-fueled CI engines	N	
93115.5(b)(1)	Must use CARB Diesel Fuel	N	
93115.6	ATCM for Stationary CI Engines – Emergency Standby Diesel-Fueled CI Engine (>50 bhp) Operating Requirements and Emission Standards	N	
93115.6(b)	In-Use Emergency Standby Diesel-Fueled CI Engine (> 50 bhp) Operating Requirements and Emission Standards	N	
93115.6(b)(3)	Emission and operation standards	N	
93115.6(b)(3)(A)	Diesel PM Standard and Hours of Operation Limitations	N	
93115.6(b)(3)(A)(1)	General Requirements	N	
93115.6(b)(3)(A)(1)(b)	Operating for maintenance and testing limited to 30 hrs/year when PM emitted at a rate $\leq$ 0.40 g/bhp-hr, except as provided in 93115.6(b)(3)(A)(2), excluding operating for emergency use and emissions testing	N	
93115.6(b)(3)(A)(2)	Operation for maintenance and testing allowed to be > 30 hrs/year when PM emitted at a rate $\leq$ 0.40 g/bhp-hr	N	
93115.6(b)(3)(A)(2)(b)	Operation for maintenance and testing allowed to be 50 hrs/year when PM emitted at a rate $\leq$ 0.15 g/bhp-hr	N	

IV. Source-Specific Applicable Requirements

Table IV – J.1
Source-specific Applicable Requirements
S-75 EMERGENCY DIESEL GENERATOR

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
93115.10	Recordkeeping, Reporting and Monitoring	N	
93115.10(d)	Notification of Loss of Exemption	N	
93115.10(d)(1)	Notification of Loss of Exemption – In-use engines	N	
93115.10(d)(1) (A)	Report loss of 93115.6 exemption [93115.3(n)] no later than 180 days after exemption no longer applies	N	
93115.10(e)	Monitoring equipment	N	
93115.10(e)(1)	Non resettable hour meter	N	
93115.10(e)(3)	District may require additional monitoring	N	
93115.10(g)	Reporting Requirements for Emergency Standby Engines	N	
93115.10(g)(1)	Records and monthly summary required	N	
93115.10(g)(2)	Record retention	N	
93115.15	Severability	N	
40 CFR Part 63 Subpart A	National Emissions Standards for Hazardous Air Pollutants for Source Categories, Subpart A – General Provisions		
63.1	General Applicability of the General Provisions	Y	
63.2	Definitions	Y	
63.3	Units and Abbreviations	Y	
63.4	Prohibited activities and circumvention	Y	
63.6(a)	Compliance with standards and maintenance requirements - Applicability	Y	
63.6(c)	Compliance dates for existing sources	Y	
63.6(f)(2)	Methods for determining compliance	Y	
63.6(f)(3)	Finding of compliance	Y	
63.6(g)	Use of an alternative nonopacity emission standard	Y	
63.6(i)	Compliance extension procedures and criteria	Y	
63.6(j)	Presidential compliance exemption	Y	
63.10(a)	Recordkeeping and reporting requirements, applicability and general information	Y	
63.10(b)(1)	Record retention	Y	
63.10(d)(1)	General reporting requirements	Y	

IV. Source-Specific Applicable Requirements

Table IV – J.1
Source-specific Applicable Requirements
S-75 EMERGENCY DIESEL GENERATOR

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.10(f)	Administrator waiver of recordkeeping or reporting requirements	Y	
63.12	State authority and delegations	Y	
63.13	Addresses of air pollution control agencies and EPA Regional Offices	Y	
63.14	Incorporation by reference	Y	
63.15	Availability of information and confidentiality	Y	
40 CFR Part 63 Subpart ZZZZ	National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (RICE)		
63.6585	Applicability	Y	
63.6585(a)	Applicable to stationary RICE	Y	
63.6585(c)	Applicable to area sources of Haps	Y	
63.6590(a)(1)(iii)	Affected source under stationary RICE located at an area source of HAP emissions, constructed before 6/12/06	Y	
63.6595(a)	Comply with applicable emission limitations and operating limitations by 5/3/13.	Y	
63.6595(c)	Comply with applicable notification requirements in 63.6645 and 40 CFR Part 63, subpart A.	Y	
63.6603(a)	Comply with requirements of Table 2d, Part 4 (operating limitations of Tables 1b and 2b do not apply): 1. Change oil & filter every 500 hours of operation or annually, whichever comes first. Oil analysis program may be used to extend period. 2. Inspect air cleaner every 1000 hours of operation or annually, whichever comes first 3. Inspect all hoses and belts every 500 hours or annually, whichever comes first, and replace as necessary.	Y	
63.6605	General Requirements 1. Must be in compliance with applicable emission limitations and operating limitations 2. Operate engine in a manner consistent with safety and good air pollution control practices to minimize emissions.	Y	
63.6625(e)(3)	Maintain RICE and abatement controls according to manufacturer's instructions or develop own plan.	Y	
63.6625(f)	Install non-resettable hour meter (if one is not already installed)	Y	
63.6625(h)	Minimize idling, and minimize startup time to not exceed 30 minutes.	Y	

IV. Source-Specific Applicable Requirements

Table IV – J.1
Source-specific Applicable Requirements
S-75 EMERGENCY DIESEL GENERATOR

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.6640(a)	Demonstrate compliance with the requirements of Table 2d according to work or management practices of Table 6, Part 9a.	Y	
63.6640(b)	Report deviations from the requirements of Table 2d.	Y	
63.6640(e)	Report non-compliance with the any applicable requirement of Table 8.	Y	
63.6640(f)	Comply with requirements of (f)(1)(i) through (iii) below	Y	
63.6640(f)(1)(i)	No time limit when engine is used for emergencies	Y	
63.6640(f)(1)(ii)	Operation of engine for maintenance checks and readiness testing limited to 100 hours per year	Y	
63.6640(f)(1)(iii)	Operation of engine for non-emergency and not associated with maintenance checks and readiness testing is limited to 50 hours, which is counted towards the 100 hours per year maximum specified in 63.6640(f)(1)(ii)	Y	
63.6645(a)(5)	The notification requirements of 63.6645(a) do not apply to this engine.	Y	
63.6655(a)	Record Keeping (2) Records of occurrence and duration of each malfunction of operation (i.e. process equipment) or the air pollution control and monitoring equipment. (4) Records of all required maintenance performed on the air pollution control and monitoring equipment. (5)Records of actions taken during periods of malfunction to minimize emissions in accordance with §63.6605(b) including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation.	Y	
63.6655(d)	The owner/operator must keep the records required in Table 6 of this subpart to show continuous compliance with each emission or operating limitation that applies to the given RICE.	Y	
63.6655(e)	You must keep records of the maintenance conducted on the stationary RICE in order to demonstrate that you operated and maintained the stationary RICE and after-treatment control device (if any) according to your own maintenance plan if you own or operate any of the following stationary RICE; (2) An existing stationary RICE	Y	
63.6660	Instructions for Records	Y	
63.6670	Implementation and enforcement of Subpart ZZZZ	Y	

IV. Source-Specific Applicable Requirements

Table IV – J.1
Source-specific Applicable Requirements
S-75 EMERGENCY DIESEL GENERATOR

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Condition # 19308			
Part 1	Fuel Sulfur Content Limit (Basis: Cumulative Increase) and Emergency Condition definition (Basis: Regulation 9-8-231)	N	
Part 2	Hours of Operation Limit (Basis: Regulation 9-8-330, Cumulative Increase) and Reliability-related activity definition (Basis: Regulation 9-8-232)	N	
Part 3	Monitoring Requirements (Basis: 9-8-530)	N	
Part 4	Recordkeeping Requirements (Basis: Regulations 9-8-530, 1-441)	N	

IV. Source-Specific Applicable Requirements

Table IV – J.2
Source-specific Applicable Requirements
S-91 EMERGENCY DIESEL FIREWATER PUMP

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6 Rule 1	**Particulate Matter; General Requirements (12/05/2007)**		
6-1-303	Ringelmann Number 2 Limitation	N	
6-1-303.1	For Emergency Standy Engines	N	
6-1-305	Visible Particles	N	
6-1-310	Particulate Weight Limitation	N	
6-1-401	Appearance of Emissions	N	
6-1-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (09/04/1998)**		
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	
6-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible 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	
9-1-304	Liquid and Solid Fuels	Y	
BAAQMD Regulation 9, Rule 8	**Inorganic Gaseous Pollutants – Nitrogen Oxides and Carbon Monoxide from Stationary Internal Combustion Engines (8/1/2001)**		
9-8-110	Exemptions	N	
9-8-110.5	Exemption, Emergency Standby Engines	N	
9-8-330	Emergency Standby Engines, Hours of Operation	N	
9-8-330.1	Emergency Standby Engines, Hours of Operation, Emergency Use	N	

IV. Source-Specific Applicable Requirements

Table IV – J.2
Source-specific Applicable Requirements
S-91 EMERGENCY DIESEL FIREWATER PUMP

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
9-8-330.3	Emergency Standby Engines, 50 Hours of Operation, Non-Emergency	N	
9-8-502	Recordkeeping	N	
9-8-502.1	Monthly records of usage	N	
9-8-530	Emergency Standby Engines, Monitoring and Recordkeeping	N	
9-8-530.1	Total Hours of Operation	N	
9-8-530.2	Emergency Hours of Operation	N	
9-8-530.3	Emergency Conditions	N	
CARB ATCM	**Stationary Diesel Engine ATCM section 93115, Title 17, CA Code of Regulations**		
93115.1	Purpose	N	
93115.2	Applicability	N	
93115.4	Definitions	N	
93115.4(41)	"In-Use" means a Cl engine that is not a "new" Cl engine	N	
93115.4(50)	New or New CI Engine – installed after January 1, 2005 or a 2004 or 2005 model year engine purchased prior to January 1, 2005 for use in California or reconstructed after January 1, 2005	N	
93115.5	Fuel and Fuel Additive Requirements for New and In-Use Stationary CI Engines That Have a Rated Brake Horsepower of Greater than 50 bhp	N	
93115.5(b)	Fuel requirements for in-sue emergency standby stationary diesel-fueled CI engines	N	
93115.5(b)(1)	Must use CARB Diesel Fuel	N	
93115.6	ATCM for Stationary CI Engines – Emergency Standby Diesel-Fueled CI Engine (>50 bhp) Operating Requirements and Emission Standards	N	
93115.6(a)(3)	New Engines	N	
93115.6(a)(3)(A)	New Engines : Diesel PM Standard & Hours of Operation	N	
93115.6(a)(3)(A)(1)	General Requirements – meet the more stringent of diesel PM standards in (a) and (b) and comply with (c)	N	
93115.6(a)(3)(A)(1)(a)	DPM <= 0.15 g/bhp-hr OR	N	
93115.6(a)(3)(A)(1)(b)	Meet DPM standard in 13CCR 2423	N	
93115.6(a)(3)(A)(1)(c)	Hours of Operation: 50 hrs/yr maintenance and testing. No limit for emergency and emission testing for compliance with this regulation	N	
93115.6(a)(3)(A)(2)	Alternate Requirements – Allowed 100 hours/year maintenance and testing if Diesel PM <= 0.01 g/bhp-hr.	N	

IV. Source-Specific Applicable Requirements

Table IV – J.2
Source-specific Applicable Requirements
S-91 EMERGENCY DIESEL FIREWATER PUMP

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
93115.6(a)(3)(B)	New Engines : Hydrocarbon, NMHC, NOx, CO Standards – Off-road Compression-Ignition Engine Standards (13 CCR 2423) or Tier 1 standards in 13 CCR 2423 if no applicable off-road CI engine standards..	N	
93115.6(a)(3)(C)	New Engines: District may establish more stringent limits and standards	N	
93115.6(a)(4)	New Direct-Drive Emergency Standby Fire Pump Engines – comply with 93115.6(a)(3) or 83115.6(a)(4)	N	
93115.6(a)(4)(A)	New Direct-Drive Emergency Standby Fire Pump Engines: Standards & Hours of Operation	N	
93115.6(a)(4)(A)(1)	New Direct-Drive Emergency Standby Fire Pump Engines: General Requirements	N	
93115.6(a)(4)(A)(1)(a)	Compliance schedule for 13 CCR 2423 Tier 2, Tier 3, and Tier 4 standards	N	
93115.6(a)(4)(A)(1)(b)	Hours of operation limited to hours necessary to comply with testing requirements of NFPA 25. No limit for emergency and emission testing for compliance with this regulation	N	
93115.6(a)(4)(B)	New Direct-Drive Emergency Standby Fire Pump Engines: District may establish more stringent limits and standards	N	
93115.10	Recordkeeping, Reporting and Monitoring	N	
93115.10(e)	Monitoring Equipment	N	
93115.10(e)(1)	Install non-resettable hour meter with minimum display of 9,999 hours (S-1488 only)	N	
93115.10(e)(3)	District may require additional monitoring	N	
93115.10(g)	Reporting Requirements for Emergency Standby Engines	N	
93115.10(g)(1)	Records and monthly summary required	N	
93115.10(g)(2)	Record retention	N	
93115.15	Severability	N	
40 CFR 60	Standards of Performance for New Stationary Sources (12/23/71)	Y	
Subpart A	General Provisions	Y	
60.1	Applicability	Y	
60.2	Definitions	Y	

IV. Source-Specific Applicable Requirements

Table IV – J.2
Source-specific Applicable Requirements
S-91 EMERGENCY DIESEL FIREWATER PUMP

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.3	Units and Abbreviations	Y	
60.4	Address	Y	
60.4(b)	Reports to EPA and District	Y	
60.5	Determination of Construction or Modification	Y	
60.6	Review of Plans	Y	
60.7	Notification and Recordkeeping	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	Compliance with Standards and Maintenance Requirements	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	
60.14	Modification	Y	
60.15	Reconstructions	Y	
60.17	Incorporated by Reference	Y	
40 CFR 60 Subpart IIII	Standards of Performance for Stationary Compression Ignition Internal Combustion Engines (7/11/2006)		
60.4200	Applicability	Y	
60.4200(a)	Applicable to owners/operators of stationary compression ignition (CI) internal combustion engines (ICE)	Y	
60.4200(a)(2)	Stationary CI ICE that were constructed after 7/11/2005 where	Y	
60.4200(a)(2)(ii)	Manufactured as a certified NFPA fire pump engine after 7/1/2006	Y	
60.4205	Emission standards for emergency stationary CI ICE	Y	
60.4205(c)	Fire pump engines with displacement less than 30 l per cylinder must meet emission standards in Table 4 for all pollutants	Y	
60.4206	Meet Table 4 emission standards for the life of the engine	Y	
60.4207	Fuel requirements for stationary CI ICE	Y	
60.4207(a)	Use diesel fuel that meets the requirements of 40 CFR 80.510(a)	Y	

IV. Source-Specific Applicable Requirements

Table IV – J.2
Source-specific Applicable Requirements
S-91 EMERGENCY DIESEL FIREWATER PUMP

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.4207(b)	Use diesel fuel that meets the requirements of 40 CFR 80.510(b) for nonroad diesel fuel	Y	
60.4207(c)	Option to petition EPA to use remaining non-compliant fuel	Y	
60.4209	Monitoring requirements for stationary CI ICE	Y	
60.4209(a)	Install a non-resettable hour meter prior to the startup of an emergency engine	Y	
60.4209(b)	Diesel particulate filter must be installed with backpressure monitor to indicate when the high backpressure limit of the engine is approached	Y	
60.4211(a)	Operate and maintain stationary CI ICE and control device per manufacturer's written instructions.	Y	
60.4211(e)	Operation for maintenance and readiness checks are limited to 100 hours per year. No limit on emergency use. Any operation other than for maintenance, readiness checks, or emergencies is prohibited.	Y	
60.4212	Compliance requirements for stationary compression ignition ICE	Y	
60.4214	Notification, reporting, and recordkeeping requirements for stationary CI ICE	Y	
60.4214(b)	Initial notification is not required for emergency engines.	Y	
60.4124(c)	Maintain records of any corrective action taken if backpressure monitor indicates that high backpressure limit has been approached	Y	
40 CFR Part 63 Subpart A	National Emissions Standards for Hazardous Air Pollutants for Source Categories, Subpart A – General Provisions		
63.1	General Applicability of the General Provisions	Y	
63.2	Definitions	Y	
63.3	Units and Abbreviations	Y	
63.4	Prohibited activities and circumvention	Y	
63.6(a)	Compliance with standards and maintenance requirements - Applicability	Y	
63.6(c)	Compliance dates for existing sources	Y	
63.6(f)(2)	Methods for determining compliance	Y	
63.6(f)(3)	Finding of compliance	Y	
63.6(g)	Use of an alternative nonopacity emission standard	Y	
63.6(i)	Compliance extension procedures and criteria	Y	
63.6(j)	Presidential compliance exemption	Y	

IV. Source-Specific Applicable Requirements

Table IV – J.2
Source-specific Applicable Requirements
S-91 EMERGENCY DIESEL FIREWATER PUMP

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.10(a)	Recordkeeping and reporting requirements, applicability and general information	Y	
63.10(b)(1)	Record retention	Y	
63.10(d)(1)	General reporting requirements	Y	
63.10(f)	Administrator waiver of recordkeeping or reporting requirements	Y	
63.12	State authority and delegations	Y	
63.13	Addresses of air pollution control agencies and EPA Regional Offices	Y	
63.14	Incorporation by reference	Y	
63.15	Availability of information and confidentiality	Y	
40 CFR Part 63 Subpart ZZZZ	National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (RICE)		
63.6585	Applicability	Y	
63.6585(a)	Applicable to stationary RICE	Y	
63.6585(c)	Applicable to area sources of Haps	Y	
63.6590(a)(2)(iii)	Affected source under new stationary RICE located at an area source of HAP emissions, < 500 bhp,constructed on or after June 12, 2006	Y	
63.6590(c)	Overlap with 40 CFR 60	Y	
63.6590(c)(1)	New Emergency Stationary RICE <= 500 bhp at area source are subject only to 40 CFR 60 Subpart IIII for compression ignition engines	Y	
BAAQMD Condition # 22850			
Part 1	Hours of operation limit for reliability-related activities [basis: Title 17, California Code of Regulations, section 93115, ATCM for Stationary CI Engines]	Y	
Part 2	Emergency use [basis: Title 17, California Code of Regulations, section 93115, ATCM for Stationary CI Engines	Y	
Part 3	Totalizing Meter [basis: Title 17, California Code of Regulations, section 93115, ATCM for Stationary CI Engines]	Y	
Part 4	Recordkeeping [basis: Title 17, California Code of Regulations, section 93115, ATCM for Stationary CI Engines]	Y	
Part 5	At School or Near School Operation [basis: Title 17, California Code of Regulations, section 93115, ATCM for Stationary CI Engines]	Y	

IV. Source-Specific Applicable Requirements

Table IV - K
Source-specific Applicable Requirements
S-76, S-77 AND S-78 - INTERNAL FLOATING ROOF TANKS
Subject to NSPS Subpart Kb and MACT Subpart R

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 5	**Organic Compounds - Storage of Organic Liquids (10/18/2006)**		
8-5-101	Description	Y	
8-5-111	Limited Exemption, Tank Removal From and Return to Service	N	
8-5-112	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation	N	
8-5-117	Exemption, Low Vapor Pressure	Y	
8-5-301	Storage Tanks Control Requirements	N	
8-5-303	Requirements for Pressure Vacuum Valves	N	
8-5-305	Requirements for Internal Floating Roofs	Y	
8-5-305.1	Tank Seals installed on or before February 1, 1993	Y	
8-5-305.2	Tank with Seals Installed after February 1, 1993	Y	
8-5-305.3	3 View Ports Requirements	Y	
8-5-305.4	Section 8-5-320 requirements	Y	
8-5-305.5	The Floating Roof Must Rest on Surface of Liquid	Y	
8-5-320	Tank fitting requirements	Y	
8-5-320.2	Roof Openings 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	
8-5-320.4.1	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	Well shall provide projection below the liquid surface	Y	
8-5-320.5.2	The well requirements	Y	
8-5-320.5.3	The gap between the well and the roof	Y	
8-5-320.6	Emergency roof drain	Y	
8-5-321	Primary seal requirements	Y	
8-5-321.1	No holes, tears or other openings	Y	
8-5-321.2	Metallic or liquid mounted type shoes	Y	
8-5-321.3	Metallic shoes type seals	Y	

IV. Source-Specific Applicable Requirements

Table IV - K
Source-specific Applicable Requirements
S-76, S-77 AND S-78 - INTERNAL FLOATING ROOF TANKS
Subject to NSPS Subpart Kb and MACT Subpart R

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-5-321.3.1	Geometry of shoe	Y	
8-5-321.3.2	Gaps for welded tanks	Y	
8-5-321.4	Resilient-toroid seal equipped tanks	Y	
8-5-322	Secondary seal requirements	Y	
8-5-322.1	No holes, tears, or other openings in the secondary seal	Y	
8-5-322.2	Insertion of probes	Y	
8-5-322.3	No gap between tank shell and the secondary seal shall exceed 1.3 cm (1/2 in)	Y	
8-5-322.4	Riveted tanks	Y	
8-5-322.5	Gaps for welded tanks with seal installed after September 4, 1985	Y	
8-5-322.6	Secondary seal	Y	
8-5-328	Tank Degassing Requirements	N	
8-5-328.1	Concentration of <10,000 ppm as methane after degassing	N	
8-5-328.2	No degassing during ozone excess	Y	
8-5-328.3	Notification requirements	N	
8-5-331	Tank Cleaning Requirements	N	
8-5-402	Internal Floating Roof Inspection	Y	
8-5-402.1	Inspection Requirements for Internal Floating Roof Tanks; Primary and Secondary Seal Inspections – Seal gaps	Y	
8-5-402.2	Inspection Requirements for Internal Floating Roof Tanks; Visual Inspection of Outer Most Seal	N	
8-5-402.3	Inspection Requirements for Internal Floating Roof Tanks; Tank Fitting Inspection	N	
8-5-403	Pressure Vacuum Inspection	N	
8-5-403.1	Inspection Requirements for Pressure Relief Devices; pressure vacuum valves	N	
8-5-403.2	Inspection Requirements for Pressure Relief Devices; PRDs except pressure vacuum valves	N	
8-5-404	Certification	Y	
8-5-405	Information required	Y	
8-5-501	Records	N	
8-5-502	Source Test Requirement	N	

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Table IV - K
Source-specific Applicable Requirements
S-76, S-77 AND S-78 - INTERNAL FLOATING ROOF TANKS
Subject to NSPS Subpart Kb and MACT Subpart R

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
SIP Regulation 8, Rule 5	**Organic Compounds-Storage of Organic Liquids (06/05/2003)**		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
8-5-112	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation	Y	
8-5-301	Storage Tanks Control Requirements	Y	
8-5-328	Tank degassing requirements	Y	
8-5-328.1.2	Concentration of <10,000 ppm as methane after degassing	Y	
8-5-402	Inspection Requirements	Y	
8-5-402.2	Inspection Requirements for Internal Floating Roof Tanks; Visual Inspection of Outer Most Seal	Y	
8-5-402.3	Inspection Requirements for Internal Floating Roof Tanks; Tank Fitting Inspection	Y	
8-5-501	Keep records	Y	
8-5-502	Tank degassing annual source test requirement	Y	
8-5-503	Portable hydrocarbon detector	Y	
BAAQMD Regulation 10	**Standards of Performance for New Stationary Sources incorporated by reference (02/16/2000)**		
10-1	Subpart A – General Provisions (12/20/1995)	Y	
10-17	Subpart Kb -- Standards Of Performance For Volatile Organic Liquid Storage Vessels	Y	
40 CFR 60	**Standards of Performance for New Stationary Sources (12/23/71)**	Y	
Subpart A	General Provisions	Y	
60.1	Applicability	Y	
60.2	Definitions	Y	
60.3	Units and Abbreviations	Y	
60.4	Address	Y	
60.4(b)	Reports to EPA and District	Y	
60.5	Determination of Construction or Modification	Y	
60.6	Review of Plans	Y	
60.7	Notification and Recordkeeping	Y	
60.7(a)	Written notification	Y	

IV. Source-Specific Applicable Requirements

Table IV - K
Source-specific Applicable Requirements
S-76, S-77 AND S-78 - INTERNAL FLOATING ROOF TANKS
Subject to NSPS Subpart Kb and MACT Subpart R

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.7(b)	Records	Y	
60.8	Performance Tests	Y	
60.9	Availability of Information	Y	
60.11	Compliance with Standards and Maintenance Requirements	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	
60.14	Modification	Y	
60.15	Reconstructions	Y	
60.17	Incorporated by Reference	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	Applicability and Designation of Affected Facility	Y	
60.110b(a)	Applicability and Designation of Affected Facility; Volatile organic liquid storage vessels > or = to 75 cu m, after 7/23/1984	Y	
60.112b(a)(1)	Internal Floating Roof	Y	
60.112b(a)(1)(i)	The internal floating roof requirements	Y	
60.112b(a)(1)(ii)	Closure devices	Y	
60.112b(a)(1)(ii) (A)	Internal floating roof -- A foam-or liquid-filled seal mounted in contact with the liquid (liquid-mounted seal).	Y	
60.112b(a)(1)(ii) (B)	Internal floating roof -- double seal option	Y	
60.112b(a)(1)(ii) (C)	Internal floating roof -- Mechanical shoe seal option	Y	
60.112b(a)(1)(iii)	Opening	Y	
60.112b(a)(1)(iv)	Cover or lid for opening	Y	

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Table IV - K
Source-specific Applicable Requirements
S-76, S-77 AND S-78 - INTERNAL FLOATING ROOF TANKS
Subject to NSPS Subpart Kb and MACT Subpart R

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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)(3)	For vessels equipped with a double-seal system as specified in §60.112b(a)(1)(ii)(B):	Y	
60.113b(a)(3)(i)	Visually inspect the vessel as specified in paragraph (a)(4) of this section at least every 5 years; or	Y	
60.113b(a)(3)(ii)	Testing and Procedures; Internal floating roof with double seal system, annual inspection	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)	Internal floating roofs	Y	
60.115b(a)(1)	Reporting and Recordkeeping Requirements; 60.112b(a) internal floating roof control equipment description and certification	Y	
60.115b(a)(2)	Reporting and Recordkeeping Requirements; 60.112b(a) internal floating roof inspection records	Y	
60.115b(a)(3)	Reporting and Recordkeeping Requirements; 60.112b(a) internal floating roof annual inspection defects report	Y	

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Table IV - K
Source-specific Applicable Requirements
S-76, S-77 AND S-78 - INTERNAL FLOATING ROOF TANKS
Subject to NSPS Subpart Kb and MACT Subpart R

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.115b(a)(4)	Reporting and Recordkeeping Requirements; 60.112b(a) internal floating roof double seal system inspection defects report	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	
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(e)(3)(i)	Monitoring of Operations; Determine TVP-other liquids-standard reference texts	Y	
60.116b(e)(3)(ii)	Monitoring of Operations; Determine TVP-other liquids-ASTM method	Y	
60.116b(e)(3)(iii)	Monitoring of Operations; Determine TVP-other liquids-other approved measurement method	Y	
60.116b(e)(3)(iv)	Monitoring of Operations; Determine TVP-other liquids-other approved calculation method	Y	
60.116b(f)	Vessel storing a waste mixture of indeterminate or variable composition	Y	
60.116b(f)(1)	Monitoring of Operations; Waste storage tanks-Determine maximum possible TVP	Y	
60.116b(f)(2)	Monitoring of Operations; Waste storage tanks-Vapor pressure tests	Y	
60.116b(f)(2)(i)	Monitoring of Operations; Waste storage tanks-Vapor pressure tests ASTM D 2879 method	Y	
60.116b(f)(2)(ii)	Monitoring of Operations; Waste storage tanks-Vapor pressure tests ASTM D 323 method	Y	

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Table IV - K
Source-specific Applicable Requirements
S-76, S-77 AND S-78 - INTERNAL FLOATING ROOF TANKS
Subject to NSPS Subpart Kb and MACT Subpart R

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.116b(f)(2)(iii)	Monitoring of Operations; Waste storage tanks-Vapor pressure tests-other approved method	Y	
40 CFR 63	**National Emission Standards for Hazardous Air Pollutants for Source Categories**	Y	
Subpart A	General Provisions	Y	
63.1	Applicability	Y	
63.2	Definitions	Y	
63.3	Units and abbreviations	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	
63.13	Addresses of EPA Regional Offices	Y	
63.14	Incorporation by Reference	Y	
63.15	Availability of Information and confidentiality	Y	
NSPS 40 CFR 63 Subpart R	**National Emission Standards for Gasoline Distribution Facilities (Bulk Gasoline Terminals and Pipeline Breakout Stations) (12/14/1994)**	**Y**	
63.420(a)	Applicability	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)	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	

IV. Source-Specific Applicable Requirements

Table IV - K
Source-specific Applicable Requirements
S-76, S-77 AND S-78 - INTERNAL FLOATING ROOF TANKS
Subject to NSPS Subpart Kb and MACT Subpart R

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

IV. Source-Specific Applicable Requirements

Table IV - L
Source-specific Applicable Requirements
S-79 AND S-80 - INTERNAL FLOATING ROOF TANKS
Subject to NSPS Subpart Kb and MACT Subpart R

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 5	**Organic Compounds - Storage of Organic Liquids (10/18/2006)**		
8-5-101	Description	Y	
8-5-111	Limited Exemption, Tank Removal From and Return to Service	N	
8-5-112	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation	N	
8-5-117	Exemption, Low Vapor Pressure	Y	
8-5-301	Storage Tanks Control Requirements	N	
8-5-303	Requirements for Pressure Vacuum Valves	N	
8-5-305	Requirements for Internal Floating Roofs	Y	
8-5-305.1	Tank Seals installed on or before February 1, 1993	Y	
8-5-305.2	Tank with Seals Installed after February 1, 1993	Y	
8-5-305.3	3 View Ports Requirements	Y	
8-5-305.4	Section 8-5-320 requirements	Y	
8-5-305.5	The Floating Roof Must Rest on Surface of Liquid	Y	
8-5-320	Tank fitting requirements	Y	
8-5-320.2	Roof Openings 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	
8-5-320.4.1	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	Well shall provide projection below the liquid surface	Y	
8-5-320.5.2	The well requirements	Y	
8-5-320.5.3	The gap between the well and the roof	Y	
8-5-320.6	Emergency roof drain	Y	
8-5-321	Primary seal requirements	Y	
8-5-321.1	No holes, tears or other openings	Y	
8-5-321.2	Metallic or liquid mounted type shoes	Y	

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Table IV - L
Source-specific Applicable Requirements
S-79 AND S-80 - INTERNAL FLOATING ROOF TANKS
Subject to NSPS Subpart Kb and MACT Subpart R

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-5-321.3	Metallic shoes type seals	Y	
8-5-321.3.1	Geometry of shoe	Y	
8-5-321.3.2	Gaps for welded tanks	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	
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	N	
8-5-328.1	Concentration of <10,000 ppm as methane after cleaning	N	
8-5-328.2	No degassing during ozone excess	Y	
8-5-328.3	Notification requirements	N	
8-5-331	Tank Cleaning Requirements	N	
8-5-402	Internal Floating Roof Inspection	Y	
8-5-402.1	Inspection Requirements for Internal Floating Roof Tanks; Primary and Secondary Seal Inspections – Seal gaps	Y	
8-5-402.2	Inspection Requirements for Internal Floating Roof Tanks; Visual Inspection of Outer Most Seal	N	
8-5-402.3	Inspection Requirements for Internal Floating Roof Tanks; Tank Fitting Inspection	N	
8-5-403	Pressure Vacuum Inspection	N	
8-5-403.1	Inspection Requirements for Pressure Relief Devices; pressure vacuum valves	N	
8-5-403.2	Inspection Requirements for Pressure Relief Devices; PRDs except pressure vacuum valves	N	
8-5-404	Certification	Y	
8-5-405	Information required	Y	
8-5-501	Records	N	
8-5-502	Source Test Requirement	N	

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Source-specific Applicable Requirements
S-79 AND S-80 - INTERNAL FLOATING ROOF TANKS
Subject to NSPS Subpart Kb and MACT Subpart R

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
SIP Regulation 8, Rule 5	**Organic Compounds-Storage of Organic Liquids (06/05/2003)**		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
8-5-112	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation	Y	
8-5-301	Storage Tanks Control Requirements	Y	
8-5-328	Tank degassing requirements	Y	
8-5-328.1.2	Concentration of <10,000 ppm as methane after degassing	Y	
8-5-402	Inspection Requirements	Y	
8-5-402.2	Inspection Requirements for Internal Floating Roof Tanks; Visual Inspection of Outer Most Seal	Y	
8-5-402.3	Inspection Requirements for Internal Floating Roof Tanks; Tank Fitting Inspection	Y	
8-5-501	Keep records	Y	
8-5-502	Tank degassing annual source test requirement	Y	
8-5-503	Portable hydrocarbon detector	Y	
BAAQMD Regulation 10	**Standards of Performance for New Stationary Sources incorporated by reference (02/16/2000)**		
10-1	Subpart A – General Provisions (12/20/1995)	Y	
10-17	Subpart Kb -- Standards Of Performance For Volatile Organic Liquid Storage Vessels	Y	
40 CFR 60	**Standards of Performance for New Stationary Sources (12/23/71)**	Y	
Subpart A	General Provisions	Y	
60.1	Applicability	Y	
60.2	Definitions	Y	
60.3	Units and Abbreviations	Y	
60.4	Address	Y	
60.4(b)	Reports to EPA and District	Y	
60.5	Determination of Construction or Modification	Y	
60.6	Review of Plans	Y	
60.7	Notification and Recordkeeping	Y	
60.7(a)	Written notification	Y	

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Subject to NSPS Subpart Kb and MACT Subpart R

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.7(b)	Records	Y	
60.8	Performance Tests	Y	
60.9	Availability of Information	Y	
60.11	Compliance with Standards and Maintenance Requirements	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	
60.14	Modification	Y	
60.15	Reconstructions	Y	
60.17	Incorporated by Reference	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	Applicability and Designation of Affected Facility	Y	
60.110b(a)	Applicability and Designation of Affected Facility; Volatile organic liquid storage vessels > or = to 75 cu m, after 7/23/1984	Y	
60.112b(a)(1)	Internal Floating Roof	Y	
60.112b(a)(1)(i)	The internal floating roof requirements	Y	
60.112b(a)(1)(ii)	Closure devices	Y	
60.112b(a)(1)(ii) (A)	A foam-or liquid-filled seal mounted in contact with the liquid (liquid-mounted seal). A liquid-mounted seal means a foam-or liquid-filled seal mounted in contact with the liquid between the wall of the storage vessel and the	Y	
60.112b(a)(1)(ii) (B)	Standard for Volatile Organic Compounds (VOC); Internal floating roof double seal option	Y	
60.112b(a)(1)(iii)	Opening	Y	
60.112b(a)(1)(iv)	Cover or lid	Y	

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S-79 AND S-80 - INTERNAL FLOATING ROOF TANKS
Subject to NSPS Subpart Kb and MACT Subpart R

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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)(3)	For vessels equipped with a double-seal system as specified in §60.112b(a)(1)(ii)(B):	Y	
60.113b(a)(3)(i)	Visually inspect the vessel as specified in paragraph (a)(4) of this section at least every 5 years; or	Y	
60.113b(a)(3)(ii)	Testing and Procedures; Internal floating roof with double seal system, annual inspection	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)	Internal floating roofs	Y	
60.115b(a)(1)	Reporting and Recordkeeping Requirements; 60.112b(a) internal floating roof control equipment description and certification	Y	
60.115b(a)(2)	Reporting and Recordkeeping Requirements; 60.112b(a) internal floating roof inspection records	Y	
60.115b(a)(3)	Reporting and Recordkeeping Requirements; 60.112b(a) internal floating roof annual inspection defects report	Y	

IV. Source-Specific Applicable Requirements

Table IV - L
Source-specific Applicable Requirements
S-79 AND S-80 - INTERNAL FLOATING ROOF TANKS
Subject to NSPS Subpart Kb and MACT Subpart R

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.115b(a)(4)	Reporting and Recordkeeping Requirements; 60.112b(a) internal floating roof double seal system inspection defects report	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	
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(e)(3)(i)	Monitoring of Operations; Determine TVP-other liquids-standard reference texts	Y	
60.116b(e)(3)(ii)	Monitoring of Operations; Determine TVP-other liquids-ASTM method	Y	
60.116b(e)(3)(iii)	Monitoring of Operations; Determine TVP-other liquids-other approved measurement method	Y	
60.116b(e)(3)(iv)	Monitoring of Operations; Determine TVP-other liquids-other approved calculation method	Y	
60.116b(f)	Vessel storing a waste mixture of indeterminate or variable composition	Y	
60.116b(f)(1)	Monitoring of Operations; Waste storage tanks-Determine maximum possible TVP	Y	
60.116b(f)(2)	Monitoring of Operations; Waste storage tanks-Vapor pressure tests	Y	
60.116b(f)(2)(i)	Monitoring of Operations; Waste storage tanks-Vapor pressure tests ASTM D 2879 method	Y	
60.116b(f)(2)(ii)	Monitoring of Operations; Waste storage tanks-Vapor pressure tests ASTM D 323 method	Y	

IV. Source-Specific Applicable Requirements

Table IV - L
Source-specific Applicable Requirements
S-79 AND S-80 - INTERNAL FLOATING ROOF TANKS
Subject to NSPS Subpart Kb and MACT Subpart R

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.116b(f)(2)(iii)	Monitoring of Operations; Waste storage tanks-Vapor pressure tests-other approved method	Y	
40 CFR 63	**National Emission Standards for Hazardous Air Pollutants for Source Categories**	Y	
Subpart A	General Provisions	Y	
63.1	Applicability	Y	
63.2	Definitions	Y	
63.3	Units and abbreviations	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	
63.13	Addresses of EPA Regional Offices	Y	
63.14	Incorporation by Reference	Y	
63.15	Availability of Information and confidentiality	Y	
NSPS 40 CFR 63 Subpart R	**National Emission Standards for Gasoline Distribution Facilities (Bulk Gasoline Terminals and Pipeline Breakout Stations) (12/14/1994)**	Y	
63.420(a)	Applicability	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)	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	

IV. Source-Specific Applicable Requirements

Table IV - L
Source-specific Applicable Requirements
S-79 AND S-80 - INTERNAL FLOATING ROOF TANKS
Subject to NSPS Subpart Kb and MACT Subpart R

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

IV. Source-Specific Applicable Requirements

Table IV - M
Source-specific Applicable Requirements
S-81, S-82 AND S-83 - INTERNAL FLOATING ROOF TANKS
Subject to NSPS Subpart Kb and MACT Subpart R

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 5	**Organic Compounds - Storage of Organic Liquids (10/18/2006)**		
8-5-101	Description	Y	
8-5-111	Limited Exemption, Tank Removal From and Return to Service	N	
8-5-112	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation	N	
8-5-117	Exemption, Low vapor pressure	Y	
8-5-301	Storage tanks control requirements	N	
8-5-305	Requirements for internal floating roofs	N	
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	Y	
8-5-320.2	Roof Openings 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	
8-5-320.4.1	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	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	Y	
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	
8-5-321.3.1	Geometry of shoe	Y	

IV. Source-Specific Applicable Requirements

Table IV - M
Source-specific Applicable Requirements
S-81, S-82 AND S-83 - INTERNAL FLOATING ROOF TANKS
Subject to NSPS Subpart Kb and MACT Subpart R

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-5-321.3.2	Gaps for welded tanks	Y	
8-5-321.4	Resilient-toroid seal equipped tanks	Y	
8-5-322	Secondary seal requirements	Y	
8-5-322.1	No holes, tears, or other openings in the secondary seal	Y	
8-5-322.2	Insertion of probes	Y	
8-5-322.3	No gap between tank shell and the secondary seal shall exceed 1.3 cm (1/2 in)	Y	
8-5-322.4	Riveted tanks	Y	
8-5-322.5	Gaps for welded tanks with seal installed after September 4, 1985	Y	
8-5-322.6	Secondary seal	Y	
8-5-328	Tank Degassing Requirements	N	
8-5-328.1	Concentration of <10,000 ppm as methane after degassing	N	
8-5-328.2	No degassing during ozone excess	Y	
8-5-328.3	Notification requirements	N	
8-5-331	Tank Cleaning Requirements	N	
8-5-402	Internal floating roof inspection	Y	
8-5-402.1	Inspection Requirements for Internal Floating Roof Tanks; Primary and Secondary Seal Inspections – Seal gaps	Y	
8-5-402.2	Inspection Requirements for Internal Floating Roof Tanks; Visual Inspection of Outer Most Seal	N	
8-5-402.3	Inspection Requirements for Internal Floating Roof Tanks; Tank Fitting Inspection	N	
8-5-403	Pressure vacuum valve inspection	N	
8-5-403.1	Inspection Requirements for Pressure Relief Devices; pressure vacuum valves	N	
8-5-403.2	Inspection Requirements for Pressure Relief Devices; PRDs except pressure vacuum valves	N	
8-5-404	Certification	Y	
8-5-405	Information required	Y	
8-5-501	Records	N	
8-5-502	Source test requirement	N	

IV. Source-Specific Applicable Requirements

Table IV - M
Source-specific Applicable Requirements
S-81, S-82 AND S-83 - INTERNAL FLOATING ROOF TANKS
Subject to NSPS Subpart Kb and MACT Subpart R

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
SIP Regulation 8, Rule 5	**Organic Compounds-Storage of Organic Liquids (06/05/2003)**		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
8-5-112	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation	Y	
8-5-301	Storage Tanks Control Requirements	Y	
8-5-328	Tank degassing requirements	Y	
8-5-328.1.2	Concentration of <10,000 ppm as methane after degassing	Y	
8-5-402	Inspection Requirements	Y	
8-5-402.2	Inspection Requirements for Internal Floating Roof Tanks; Visual Inspection of Outer Most Seal	Y	
8-5-402.3	Inspection Requirements for Internal Floating Roof Tanks; Tank Fitting Inspection	Y	
8-5-501	Keep records	Y	
8-5-502	Tank degassing annual source test requirement	Y	
8-5-503	Portable hydrocarbon detector	Y	
BAAQMD Regulation 10	**Standards of Performance for New Stationary Sources incorporated by reference (02/16/2000)**		
10-1	Subpart A – General Provisions (12/20/1995)	Y	
10-17	Subpart Kb -- Standards Of Performance For Volatile Organic Liquid Storage Vessels	Y	
40 CFR 60	**Standards of Performance for New Stationary Sources (12/23/71)**	Y	
Subpart A	General provisions	Y	
60.1	Applicability	Y	
60.2	Definitions	Y	
60.3	Units and Abbreviations	Y	
60.4	Address	Y	
60.4(b)	Reports to EPA and District	Y	
60.5	Determination of Construction or Modification	Y	
60.6	Review of Plans	Y	
60.7	Notification and Recordkeeping	Y	
60.7(a)	Written notification	Y	

IV. Source-Specific Applicable Requirements

Table IV - M
Source-specific Applicable Requirements
S-81, S-82 AND S-83 - INTERNAL FLOATING ROOF TANKS
Subject to NSPS Subpart Kb and MACT Subpart R

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.7(b)	Records	Y	
60.8	Performance tests	Y	
60.9	Availability of information	Y	
60.11	Compliance with Standards and Maintenance Requirements	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	
60.14	Modification	Y	
60.15	Reconstructions	Y	
60.17	Incorporated by Reference	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)	Applicability and Designation of Affected Facility; Volatile organic liquid storage vessels > or = to 75 cu m, after 7/23/1984	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	
60.112b(a)(1)(ii) (A)	A foam-or liquid-filled seal mounted in contact with the liquid (liquid-mounted seal). A liquid-mounted seal means a foam-or liquid-filled seal mounted in contact with the liquid between the wall of the storage vessel and the	Y	
60.112b(a)(1)(ii) (B)	Standard for Volatile Organic Compounds (VOC); Internal floating roof double seal option	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	

IV. Source-Specific Applicable Requirements

Table IV - M
Source-specific Applicable Requirements
S-81, S-82 AND S-83 - INTERNAL FLOATING ROOF TANKS
Subject to NSPS Subpart Kb and MACT Subpart R

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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)(3)	For vessels equipped with a double-seal system as specified in §60.112b(a)(1)(ii)(B):	Y	
60.113b(a)(3)(i)	Visually inspect the vessel as specified in paragraph (a)(4) of this section at least every 5 years; or	Y	
60.113b(a)(3)(ii)	Testing and Procedures; Internal floating roof with double seal system, annual inspection	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)	Internal floating roofs	Y	
60.115b(a)(1)	Reporting and Recordkeeping Requirements; 60.112b(a) internal floating roof control equipment description and certification	Y	
60.115b(a)(2)	Reporting and Recordkeeping Requirements; 60.112b(a) internal floating roof inspection records	Y	
60.115b(a)(3)	Reporting and Recordkeeping Requirements; 60.112b(a) internal floating roof annual inspection defects report	Y	
60.115b(a)(4)	Reporting and Recordkeeping Requirements; 60.112b(a) internal floating roof double seal system inspection defects report	Y	
60.116b	Monitoring of Operation	Y	

IV. Source-Specific Applicable Requirements

Table IV - M
Source-specific Applicable Requirements
S-81, S-82 AND S-83 - INTERNAL FLOATING ROOF TANKS
Subject to NSPS Subpart Kb and MACT Subpart R

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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	
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(e)(3)(i)	Monitoring of Operations; Determine TVP-other liquids-standard reference texts	Y	
60.116b(e)(3)(ii)	Monitoring of Operations; Determine TVP-other liquids-ASTM method	Y	
60.116b(e)(3)(iii)	Monitoring of Operations; Determine TVP-other liquids-other approved measurement method	Y	
60.116b(e)(3)(iv)	Monitoring of Operations; Determine TVP-other liquids-other approved calculation method	Y	
60.116b(f)	Vessel storing a waste mixture of indeterminate or variable composition	Y	
60.116b(f)(1)	Monitoring of Operations; Waste storage tanks-Determine maximum possible TVP	Y	
60.116b(f)(2)	Monitoring of Operations; Waste storage tanks-Vapor pressure tests	Y	
60.116b(f)(2)(i)	Monitoring of Operations; Waste storage tanks-Vapor pressure tests ASTM D 2879 method	Y	
60.116b(f)(2)(ii)	Monitoring of Operations; Waste storage tanks-Vapor pressure tests ASTM D 323 method	Y	
60.116b(f)(2)(iii)	Monitoring of Operations; Waste storage tanks-Vapor pressure tests-other approved method	Y	
40 CFR 63	**National Emission Standards for Hazardous Air Pollutants for Source Categories**	Y	
Subpart A	General provisions	Y	

IV. Source-Specific Applicable Requirements

Table IV - M
Source-specific Applicable Requirements
S-81, S-82 AND S-83 - INTERNAL FLOATING ROOF TANKS
Subject to NSPS Subpart Kb and MACT Subpart R

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.1	Applicability	Y	
63.2	Definitions	Y	
63.3	Units and abbreviations	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	
63.13	Addresses of EPA Regional Offices	Y	
63.14	Incorporation by Reference	Y	
63.15	Availability of Information and confidentiality	Y	
NSPS 40 CFR 63 Subpart R	**National Emission Standards for Gasoline Distribution Facilities (Bulk Gasoline Terminals and Pipeline Breakout Stations) (12/14/1994)**	Y	
63.420(a)	Applicability	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)	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	
63.428(d)	Keep records and furnish reports	Y	
63.428(e)	Work practice program recordkeeping	Y	

IV. Source-Specific Applicable Requirements

Table IV - M
Source-specific Applicable Requirements
S-81, S-82 AND S-83 - INTERNAL FLOATING ROOF TANKS
Subject to NSPS Subpart Kb and MACT Subpart R

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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 limitation [Basis: Toxics]	N	
Part 5	Valves and flanges inspection and maintenance [Basis: Regulation 8, Rule 18]	Y	
Part 7	Recordkeeping requirements [Basis: Recordkeeping]	Y	

IV. Source-Specific 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
Subject to NSPS Subpart Kb and MACT Subpart R

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 5	**Organic Compounds - Storage of Organic Liquids (10/18/2006)**		
8-5-101	Description	Y	
8-5-111	Limited Exemption, Tank removal from and return to service	N	
8-5-112	Limited Exemption, Preventative Maintenance and Inspection of Tanks in operation	N	
8-5-117	Exemption, Low vapor pressure	Y	
8-5-301	Storage tanks control requirements	N	
8-5-305	Requirements for internal floating roofs	N	
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	Roof openings 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	
8-5-320.4.1	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	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	Y	
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	
8-5-321.3.1	Geometry of shoe	Y	
8-5-321.3.2	Gaps for welded tanks	Y	

IV. Source-Specific 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
Subject to NSPS Subpart Kb and MACT Subpart R

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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	
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	N	
8-5-328.1	Concentration of <10,000 ppm as methane after degassing	N	
8-5-328.2	No degassing during ozone excess	Y	
8-5-328.3	Notification requirements	N	
8-5-331	Tank Cleaning Requirements	N	
8-5-402	Internal floating roof inspection	Y	
8-5-402.1	Inspection Requirements for Internal Floating Roof Tanks; Primary and Secondary Seal Inspections – Seal gaps	Y	
8-5-402.2	Inspection Requirements for Internal Floating Roof Tanks; Visual Inspection of Outer Most Seal	N	
8-5-402.3	Inspection Requirements for Internal Floating Roof Tanks; Tank Fitting Inspection	N	
8-5-403	Pressure vacuum valve inspection	N	
8-5-403.1	Inspection Requirements for Pressure Relief Devices; pressure vacuum valves	N	
8-5-403.2	Inspection Requirements for Pressure Relief Devices; PRDs except pressure vacuum valves	N	
8-5-404	Certification	Y	
8-5-405	Information required	Y	
8-5-501	Records	N	
8-5-502	Source test requirement	N	
SIP Regulation 8, Rule 5	**Organic Compounds-Storage of Organic Liquids (06/05/2003)**		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	

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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
Subject to NSPS Subpart Kb and MACT Subpart R

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-5-112	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation	Y	
8-5-301	Storage Tanks Control Requirements	Y	
8-5-328	Tank degassing requirements	Y	
8-5-328.1.2	Concentration of <10,000 ppm as methane after degassing	Y	
8-5-402	Inspection Requirements	Y	
8-5-402.2	Inspection Requirements for Internal Floating Roof Tanks; Visual Inspection of Outer Most Seal	Y	
8-5-402.3	Inspection Requirements for Internal Floating Roof Tanks; Tank Fitting Inspection	Y	
8-5-501	Keep records	Y	
8-5-502	Tank degassing annual source test requirement	Y	
8-5-503	Portable hydrocarbon detector	Y	
BAAQMD Regulation 10	**Standards of Performance for New Stationary Sources incorporated by reference (02/16/2000)**		
10-1	Subpart A – General Provisions (12/20/1995)	Y	
10-17	Subpart Kb -- Standards Of Performance For Volatile Organic Liquid Storage Vessels	Y	
40 CFR 60	**Standards of Performance for New Stationary Sources (12/23/71)**	Y	
Subpart A	General provisions	Y	
60.1	Applicability	Y	
60.2	Definitions	Y	
60.3	Units and Abbreviations	Y	
60.4	Address	Y	
60.4(b)	Reports to EPA and District	Y	
60.5	Determination of Construction or Modification	Y	
60.6	Review of Plans	Y	
60.7	Notification and Recordkeeping	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	

IV. Source-Specific 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
Subject to NSPS Subpart Kb and MACT Subpart R

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.11(d)	Minimizing emissions	Y	
60.12	Circumvention	Y	
60.13	Reconstruction	Y	
60.14	Modification	Y	
60.15	Reconstructions	Y	
60.17	Incorporated by Reference	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)	Applicability and Designation of Affected Facility; Volatile organic liquid storage vessels > or = to 75 cu m, after 7/23/1984	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	
60.112b(a)(1)(ii) (A)	A foam-or liquid-filled seal mounted in contact with the liquid (liquid-mounted seal). A liquid-mounted seal means a foam-or liquid-filled seal mounted in contact with the liquid between the wall of the storage vessel and the	Y	
60.112b(a)(1)(ii) (B)	Standard for Volatile Organic Compounds (VOC); Internal floating roof double seal option	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	

IV. Source-Specific 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
Subject to NSPS Subpart Kb and MACT Subpart R

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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)(3)	For vessels equipped with a double-seal system as specified in §60.112b(a)(1)(ii)(B):	Y	
60.113b(a)(3)(i)	Visually inspect the vessel as specified in paragraph (a)(4) of this section at least every 5 years; or	Y	
60.113b(a)(3)(ii)	Testing and Procedures; Internal floating roof with double seal system, annual inspection	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	
60.115b(a)(1)	Reporting and Recordkeeping Requirements; 60.112b(a) internal floating roof control equipment description and certification	Y	
60.115b(a)(2)	Reporting and Recordkeeping Requirements; 60.112b(a) internal floating roof inspection records	Y	
60.115b(a)(3)	Reporting and Recordkeeping Requirements; 60.112b(a) internal floating roof annual inspection defects report	Y	
60.115b(a)(4)	Reporting and Recordkeeping Requirements; 60.112b(a) internal floating roof double seal system inspection defects report	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	

IV. Source-Specific 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
Subject to NSPS Subpart Kb and MACT Subpart R

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 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(e)(3)(i)	Monitoring of Operations; Determine TVP-other liquids-standard reference texts	Y	
60.116b(e)(3)(ii)	Monitoring of Operations; Determine TVP-other liquids-ASTM method	Y	
60.116b(e)(3)(iii)	Monitoring of Operations; Determine TVP-other liquids-other approved measurement method	Y	
60.116b(e)(3)(iv)	Monitoring of Operations; Determine TVP-other liquids-other approved calculation method	Y	
60.116b(f)	Vessel storing a waste mixture of indeterminate or variable composition	Y	
60.116b(f)(1)	Monitoring of Operations; Waste storage tanks-Determine maximum possible TVP	Y	
60.116b(f)(2)	Monitoring of Operations; Waste storage tanks-Vapor pressure tests	Y	
60.116b(f)(2)(i)	Monitoring of Operations; Waste storage tanks-Vapor pressure tests ASTM D 2879 method	Y	
60.116b(f)(2)(ii)	Monitoring of Operations; Waste storage tanks-Vapor pressure tests ASTM D 323 method	Y	
60.116b(f)(2)(iii)	Monitoring of Operations; Waste storage tanks-Vapor pressure tests-other approved method	Y	
40 CFR 63	**National Emission Standards for Hazardous Air Pollutants for Source Categories**	Y	
Subpart A	General provisions	Y	
63.1	Applicability	Y	
63.2	Definitions	Y	
63.3	Units and abbreviations	Y	

IV. Source-Specific 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
Subject to NSPS Subpart Kb and MACT Subpart R

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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	
63.13	Addresses of EPA Regional Offices	Y	
63.14	Incorporation by Reference	Y	
63.15	Availability of Information and confidentiality	Y	
NSPS 40 CFR 63 Subpart R	**National Emission Standards for Gasoline Distribution Facilities (Bulk Gasoline Terminals and Pipeline Breakout Stations) (12/14/1994)**	Y	
63.420(a)	Applicability	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)	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	
63.428(d)	Keep records and furnish reports	Y	
63.428(e)	Work practice program recordkeeping	Y	
BAAQMD Condition # 1253	**Permit Conditions**		

IV. Source-Specific 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
Subject to NSPS Subpart Kb and MACT Subpart R

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	
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 limitation [Basis: Toxics]	N	
Part 5	Valves and flanges inspection and maintenance [Basis: Regulation 8, Rule 18]	Y	
Part 7	Recordkeeping requirements [Basis: Recordkeeping]	Y	

IV. Source-Specific 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
BAAQMD Regulation 6	**Particulate Matter -- General Requirements (12/05/2007)**		
6-1-301	Ringelmann No. 1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310	Particulate Weight Limitation	N	
6-1-311	General Operations (process weight rate limitation)	Y	
6-1-401	Appearance of Emissions	N	
6-1-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (09/04/1998)**		
6-301	Ringelmann Number 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-311	General Operations (process weight rate limitation)	Y	
6-401	Appearance of Emissions	Y	
6-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible 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	
9-1-501	Area Monitoring Requirements	Y	
9-1-604	Ground Level Monitoring	Y	
BAAQMD Regulation 9 Rule 2	**Inorganic Gaseous Pollutants - Hydrogen Sulfide (10/06/1999)**		
9-2-110	Exemptions	N	
9-2-301	Limitations on Hydrogen Sulfide	N	
9-2-501	Area Monitoring Requirements	N	
9-2-601	Ground Level Monitoring	N	

IV. Source-Specific 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
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	

IV. Source-Specific 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	**Organic Compounds -- Storage of Organic Liquids (10/18/2006)**		
8-5-328	Tank degassing requirements	N	
8-5-328.1	Concentration of <10,000 ppm as methane after degassing	N	
8-5-328.2	No degassing when ozone excesses are predicted	Y	
8-5-328.3	Notification requirements	N	
8-5-331	Tank cleaning requirements	N	
8-5-331.1	Tank cleaning agent requirements	N	
8-5-331.2	Steam cleaning prohibition	N	
8-5-331.3	Allowance for steam cleaning for scale or film removal after routine tank cleaning	N	
8-5-404	Inspection, Abatement Efficiency Determination and Source Test Reports	N	
8-5-502	Source test requirement	N	
8-5-601	Analysis of samples, reid vapor pressure	Y	
8-5-602	Analysis of samples, true vapor pressure	Y	
8-5-603	Determination of abatement efficiency	N	
8-5-604	Determination of Applicability Based on True Vapor Pressure	N	
8-5-605	Measurement of Leak Concentrations and Residual Concentrations	N	
8-5-606	Analysis of Samples, Tank Cleaning Agents	N	
SIP Regulation 8, Rule 5	**Organic Compounds-Storage of Organic Liquids (06/05/2003)**		
8-5-328	Tank degassing requirements	Y	
8-5-328.1.2	Concentration of <10,000 ppm as methane after degassing	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 degassing annual source test requirement	Y	
8-5-503	Portable hydrocarbon detector	Y	
8-5-603	Determination of emissions	Y	
8-5-603.1	Source tests for abatement efficiency	Y	
8-5-603.2	Source tests for tank degassing equipment	Y	

IV. Source-Specific 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
8-5-604	Determination of Applicability	Y	
8-5-605	Pressure-Vacuum Valve Gas Tight Determination	Y	
BAAQMD Condition # 1253	**Permit Conditions**		
Part IB	POC, CO, NOx, SO2, PM emission limitations [Basis: Cumulative Increase]	Y	

IV. Source-Specific 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 (09/15/2004)**		
8-18-100	General/Applicability	Y	
8-18-110	Exemption, Controlled Seal Systems and Pressure Relief Devices	N	
8-18-113	Limited Exemption, Initial Boiling Point	Y	
8-18-115	Limited Exemption, Storage Tanks	Y	
8-18-116	Limited Exemption, Vacuum Service	Y	
8-18-200	Definitions	Y	
8-18-301	General Standards	Y	
8-18-302	Valves	N	
8-18-303	Pumps and compressors	N	
8-18-304	Connections	N	
8-18-304.1	Connection Leak Discovered by Operator	Y	
8-18-304.2	Connection Leak Discovered by APCO	N	
8-18-304.3	Connections Subject to 8-18-306	N	
8-18-305	Pressure relief devices	Y	
8-18-306	Non-repairable equipment	N	
8-18-306.1	Non-repairable Equipment	N	
8-18-306.2	Non-repairable Equipment	N	
8-18-306.3	Non-Repairable Connections Count as Two Valves	N	
8-18-306.4	Requirements for Valves with Major Leaks (>=10,000 ppm)	N	
8-18-307	Liquid Leaks	Y	
8-18-308	Alternate compliance	Y	
8-18-401	Inspection	N	
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	
8-18-406	Interim Compliance	Y	
8-18-501	Portable Hydrocarbon Detector	Y	
8-18-502	Records	Y	
8-18-502.1	Records -- 8-18-402.1 equipment	Y	

IV. Source-Specific 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
8-18-502.2	Records -- 8-18-401 leak concentrations	Y	
8-18-502.3	Records -- keep for 5 years	Y	
8-18-502.4	Records -- non-repairable equipment	N	
8-18-503	Reports	N	
8-18-601	Analysis of Samples	Y	
8-18-602	Inspection Procedure	Y	
8-18-603	Determination of Control Efficiency	N	
8-18-604	Determination of Mass Emissions	N	
SIP BAAQMD Regulation 8, Rule 18	**Organic Compounds-Equipment Leaks (06/05/2003))**		
8-18-110	Exemption, Controlled Seal Systems and Pressure Relief Devices	Y	
8-18-302	Valves	Y	
8-18-303	Pumps and Compressors	Y	
8-18-304	Connections	Y	
8-18-304.2	Connection Leak Discovered by APCO	Y	
8-18-306	Non-repairable Equipment	Y	
8-18-306.1	Non-repairable Equipment	Y	
8-18-306.2	Non-repairable Equipment	Y	
8-18-401	Inspection	Y	
8-18-502	Records	Y	
8-18-502.4	Records -- non-repairable equipment	Y	
SIP 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	

IV. Source-Specific 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
8-25-401	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) (12/14/1994)**	Y	
63.424(a)	Perform monthly leak inspection of each equipment during the loading of a gasoline cargo tank	Y	
63.424(b)	Log book	Y	
63.424(c)	Record leak detection	Y	
63.424(d)	Delay repair	Y	
63.424(e)	December 15, 1997 initial compliance	Y	
63.424(f)	Alternative to compliance	Y	
63.424(g)	Measures taken	Y	
63.424(g)(1)	Minimize gasoline spills	Y	
63.424(g)(2)	Cleanup spills expeditiously	Y	
63.424(g)(3)	Cover all gasoline containers	Y	
63.424(g)(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	

IV. Source-Specific Applicable Requirements

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, S-80, S-81, S-82, S-83, S-84, S-85, S-86, S-87, S-88, S-89 AND S-90 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 4/18/2008)
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

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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.

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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):

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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

      Total emission shall be calculated as:

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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
Volatile	Ballasted	0.46

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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.

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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:

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

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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

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)

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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 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

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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
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

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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

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

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		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 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.

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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:

$$\text{Emissions} = \frac{\text{fuel sulfur index}}{3.34} \times \frac{315 \text{ lb } SO_2}{\text{M gal fuel}} \times \frac{32 \text{ lb S}}{64 \text{ lb } SO_2}$$

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

5. Deleted, startup monitoring plan.

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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: 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.

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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]

Condition # 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 15 ppmv of NOx concentrations @ 3% O2 as determined using District Source Test Method 13 A or B. [Basis: BACT, Regulation 9-7-307.3]

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. The Owner/Operator shall conduct a District approved source test annually, in order to determine compliance with parts 2, 3, and Regulation 9-7-301.3. 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]

Condition # 19308
S-75, EMERGENCY DIESEL GENERATOR

1. The engines for emergency generator S-75 shall be fired exclusively on diesel fuel having a sulfur content no greater than 0.05% by weight. The sulfur content of the fuel oil shall be certified by the fuel oil vendor. [Basis: Cumulative

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Increase]
"Emergency Conditions" is defined as any of the following: [Basis: Regulation 9-8-231]
a. Loss of regular natural gas supply
b. Failure of regular electric power supply
c. Flood mitigation
d. Sewage overflow mitigation
e. Fire
f. Failure of a primary motor, but only for such time as needed to repair or replace the primary motor

2. S-75 shall only be operated to mitigate emergency conditions or for reliability-related activities. Operation for reliability-related activities shall not exceed 50 hours in any calendar year at each engine. Operation while mitigating emergency conditions is unlimited. [Basis: Regulation 9-8-330, Cumulative Increase]

"Reliability-related activities" is defined as any of the following: [Basis: Regulation 9-8-232]
a. Operation of an emergency standby engine to test its ability to perform for an emergency use, or
b. Operation of an emergency standby engine during maintenance of a primary motor

3. S-75 shall be equipped with either: [Basis: Regulation 9-8-530]
a. a non-resettable totalizing meter that measures and records the hours of operation for the engine
OR
b. a non-resettable fuel usage meter; the following factors shall be used to convert fuel usage to hours of operation:
S-75: 8.0 gal/hr

4. The following monthly records shall be maintained in a District-approved log for at least 5 years for S-75 and shall be made available for District inspection upon request: [Basis: Regulations 9-8-530, 1-441]
a. Total hours of operation for each engine
b. Hours of operation under emergency conditions for each engine and a description of the nature of each emergency condition
c. Fuel usage for each engine

Condition # 20060
S-76, S-77 and S-78 INTERNAL FLOATING ROOF TANKS
Application 5850, Plant 7034

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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 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: BACT Avoidance]

*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: Cumulative Increase]

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: 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.

Condition # 21829
S-79 and S-80 INTERNAL FLOATING ROOF TANKS
Application 10493, Plant 7034

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

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Increase]

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

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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. 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: 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.

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

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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-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

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	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. 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.

Condition # 22850

S-91 Emergency Diesel Firewater Pump

VI. Permit Conditions

1. The owner/operator shall not exceed 50 hours per year per engine for reliability-related testing. [Basis: Title 17, California Code of Regulations, section 93115, ATCM for Stationary CI Engines]

2. The owner/operator shall operate each emergency standby engine only for the following purposes: to mitigate emergency conditions, for emission testing to demonstrate compliance with a District, State or Federal emission limit, or for reliability-related activities (maintenance and other testing, but excluding emission testing). Operating while mitigating emergency conditions or while emission testing to show compliance with District, State or Federal emission limits is not limited. [Basis: Title 17, California Code of Regulations, section 93115, ATCM for Stationary CI Engines]

3. The owner/operator shall operate each emergency standby engine only when a non-resettable totalizing meter (with a minimum display capability of 9,999 hours) that measures the hours of operation for the engine is installed, operated and properly maintained. [Basis: Title 17, California Code of Regulations, section 93115, ATCM for Stationary CI Engines]

4. Records: The owner/operator shall maintain the following monthly records in a District- approved log for at least 36 months from the date of entry (60 months if the facility has been issued a Title V Major Facility Review Permit or a Synthetic Minor Operating Permit). Log entries shall be retained on-site, either at a central location or at the engine's location, and made immediately available to the District staff upon request.
   a. Hours of operation for reliability-related activities (maintenance and testing).
   b. Hours of operation for emission testing to show compliance with emission limits.
   c. Hours of operation (emergency).
   d. For each emergency, the nature of the emergency condition.
   e. Fuel usage for each engine(s).
   [Basis: Title 17, California Code of Regulations, section 93115, ATCM for Stationary CI Engines]

5. At School and Near-School Operation: If the emergency standby engine is located on school grounds or within 500 feet of any school grounds, the following requirements shall apply:

   The owner/operator shall not operate each stationary emergency standby diesel-fueled engine for non-emergency use, including maintenance and testing, during the following periods:
   a. Whenever there is a school sponsored activity (if the engine is located on school grounds)
   b. Between 7:30 a.m. and 3:30 p.m. on days when school is in session.

   "School" or "School Grounds" means any public or private school used for the

VI. Permit Conditions

purposes of the education of more than 12 children in kindergarten or any of grades 1 to 12, inclusive, but does not include any private school in which education is primarily conducted in a private home(s). "School" or "School Grounds" includes any building or structure, athletic field, or other areas of school property but does not include unimproved school property.
[Basis: Title 17, California Code of Regulations, section 93115, ATCM for Stationary CI Engines]

Condition # 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:
      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

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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)

*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

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were stored.

b. The total daily throughput of each material stored, summarized on a monthly and annual basis.

Condition # 24966

1. The owner/operator of S-30 shall not exceed wastewater throughput limits of 650,000 gallons during any consecutive twelve-month period. (Basis:Cumulative Increase)

2. The owner/operator shall vent Source S-30 at all times to Abatement Device A-30, two (200 lb minimum capacity) activated carbon vessels arranged in series. Influent vapor flow shall not exceed 100 scfm. (basis: Regulation 8-40-302; BACT)

3. The owner/operator of S-30 shall monitor with a flame-ionization detector (FID), or other method approved in writing by the Air Pollution Control Officer at the following locations:

   a. At the inlet to the second to last carbon vessel in series.
   b. At the inlet to the last carbon vessel in series.
   c. At the outlet of the carbon vessel that is last in series prior to venting to the atmosphere.

   When using an FID to monitor breakthrough, readings may be taken with and without a carbon filter tip fitted on the FID probe. Concentrations measured with the carbon filter tip in place shall be considered methane for the purposes of these permit conditions. (basis: Cumulative Increase, BACT)

4. The owner/operator shall record these monitor readings in a monitoring log at the time they are taken. The monitoring results shall be used to estimate the frequency of carbon change-out necessary to maintain compliance with parts 5 and 6, and shall be conducted on a monthly basis. Any monitor reading shall not be taken more than 40 days from the previous reading. The owner/operator of this source may propose for District review, based on actual measurements taken at the site during operation of the source, that the monitoring schedule be changed based on the decline in organic emissions and/or the demonstrated breakthrough rates of the carbon vessels. Written approval by the District's Engineering Division must be received by the owner/operator prior to a change to the monitoring schedule. (basis: Cumulative Increase, BACT)

5. The owner/operator shall change out the second to last carbon vessel with unspent carbon upon breakthrough, defined as the detection at its outlet of the higher of the following:

   a. 10 % of the inlet stream concentration to the carbon vessel.

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b. 10 ppmv or greater (measured as C1).

(basis: Cumulative Increase, BACT)

6. The owner/operator shall change out the last carbon vessel with unspent carbon upon detection at its outlet of 10 ppmv or greater (measured as C1). (basis: Cumulative Increase, BACT)

7. The owner/operator of S-30 shall maintain the following records for each month of operation of the source:

   a. Quantities of wastewater processed.
   b. Monthly throughput shall be totaled for each consecutive twelve-month period.
   c. Each monitor reading or analysis result for the day of operation they are taken.
   d. The dates and the number of carbon beds removed from service.

All records shall be retained on-site for five years, from the date of entry, and made available for inspection by District staff upon request. These recordkeeping requirements shall not replace the recordkeeping requirements contained in any applicable District Regulations. (Basis: Cumulative Increase)

8. The owner/operator shall report any non-compliance with parts 5 and/or 6 to the Director of the Compliance & Enforcement Division at the time that it is discovered. The submittal shall detail the corrective action taken and shall include the data showing the exceedance as well at the time of occurrence. (basis: Cumulative Increase, BACT)

9. Delected. (Start-up condition. S-23 was removed from ser vice on 10/10/2011.) (basis: offsets)

Condition # 25463

1. The owner/operator of A-3 shall install a high- level vapor bladder tank alarm, monitor and record the vapor diaphragm height at A-3 on a continuous basis at all times except when A-3 is out of service. The alarm shall be triggered when the vapor diaphragm height reaches 50 feet. The owner/operator shall not allow the vapor diaphragm height of A-3 to exceed 55 feet. [Basis: Regulation 2-1-403]

2. The owner/operator of A-3 shall install a headspace hydrocarbon analyzer inside the roof main exhaust vent of A-3 and as close to the headspace above the diaphragm of the vapor bladder tank to the extent possible, monitor and record the hydrocarbon concentration on a continuous basis at all times except when A-3 is out of service. The owner/operator shall not allow the hydrocarbon concentration in the headspace

VI. Permit Conditions

above the diaphragm of the vapor bladder tank to exceed 3,000 ppm, expressed as methane, averaged over one hour. [Basis: Regulation 2-1-403]

3. For the purposes of this permit condition, A-3 is defined as out of service when the hydrocarbon concentration in the vapor bladder tank is measured to be less than 10,000 ppm expressed as methane for at least four consecutive measurements performed at intervals no shorter than 15 minutes each. [Basis: Regulation 2-1-403]

4. To demonstrate compliance with above parts, the owner/operator shall maintain all records and reports on site for a minimum of 5 years. These records shall include but are not limited to:

   a. Monitoring record of the vapor diaphragm height at A-3.
   b. Monitoring record of the hydrocarbon concentration above the diaphragm at A-3.
   c. The sources abated by A-3.
   d. The time and date when A-3 is out of service.

   All records and data shall be retained and made available for inspection by the District upon request. [Basis: Regulation 2-1-403]

5. The owner/operator has provided the following final counts of all fugitive components installed and the required offset credits: 6 valves, 32 fittings (connectors and flanges), 1 pump, and 3 other types of fugitive components (including vents). [Basis: Cumulative Increase; Offsets]

VII. APPLICABLE LIMITS & COMPLIANCE MONITORING REQUIREMENTS

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

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

Table VII - A
Applicable Limits and Compliance Monitoring Requirements
S-1 THROUGH S-10 - FIXED ROOF TANKS
Subject to NSPS Subpart K and MACT Subpart R

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
TVP	BAAQMD 8-5-117 8-5-301 SIP 8-5-117 8-5-301	Y		True vapor pressure	BAAQMD 8-5-501.1	P/E initially and upon change of service	Look up table or sample analysis; Records
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

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - A
Applicable Limits and Compliance Monitoring Requirements
S-1 THROUGH S-10 - FIXED ROOF TANKS
Subject to NSPS Subpart K and MACT Subpart R

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 8-5-306	Y		Controlled ≥ 95% weight and gas tight (< 500 ppm)	BAAQMD 8-5-403 BAAQMD Condition # 1253, part IV, Section 3b	C P/A	Continuous Temperature Monitor and Source Test
POC	BAAQMD 8-5-328.1	N		Tank degassing ≥ 90% control, POC concentration < 10,000 ppm	BAAQMD 8-5-502 8-5-603	P/A	Source Test
POC	SIP 8-5-328.1.2	Y		90% abatement efficiency (tank degassing)	SIP 8-5-502 8-5-603.2	P/ A	Source Test
POC	BAAQMD 8-5-331	Y		Tank cleaning ≥ 90% control	BAAQMD 8-5-502.2 8-5-603	P/A	Source Test
POC		Y		Determination of applicability	BAAQMD 8-5-604	P/E	Look-up table or sample analysis
POC	Subpart K 40 CFR 60.112(a)(1)	Y		Vapor Recovery System	Subpart K 40 CFR 60.113(d)(2)	None	None
POC	Subpart Kb 40 CFR 60.112b(a)(3)(i)	Y		Vapor Recovery System no detectable emissions ≥ 500 ppm	Subpart Kb 40 CFR 60.113b(c)(2)	C	Comply with operating plan

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - A
Applicable Limits and Compliance Monitoring Requirements
S-1 THROUGH S-10 - FIXED ROOF TANKS
Subject to NSPS Subpart K and MACT Subpart R

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	Subpart Kb 40 CFR 60.112b(a) (3)(ii)	Y		Vapor Recovery System $\geq$ 95% control	Subpart R 40 CFR 63.425(a) (1) 63.425(b) 63.425(c) Subpart XX 60.503	P/A	Source Test
POC	Subpart Kb 40 CFR 60.116b(c)	Y		Record of liquid stored and true vapor pressure	60.116b(c) 60.116b(e)	P/E upon change of service	Records
POC	Subpart Kb 40 CFR 60.116b(f)	Y		Waste Mixture Record of liquid stored and true vapor pressure	60.116b(f)(1) 60.116b(f)(2)	P/E upon change of service	Records
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 for bubble compliance determination	BAAQMD Condition # 1253, part IV, Section 3	C/A	Continuous Temperature monitor and Source Test
Temper-ature limit	BAAQMD Condition # 1253, part IID2ii & IV.7	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 - B
Applicable Limits and Compliance Monitoring Requirements
S-11, S-18 AND S-19 - FIXED ROOF TANKS
Not Subject to NSPS Subpart K and MACT Subpart R due to Capacity

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
TVP	BAAQMD 8-5-117 8-5-301 SIP 8-5-117 8-5-301	Y		True vapor pressure	BAAQMD 8-5-501.1	P/E initially and upon change of service	Look up table or sample analysis; Records
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 and gas tight (< 500 ppm)	BAAQMD 8-5-403 BAAQMD Condition # 1253, part IV, Section 3b	C P/A	Continuous Temperature Monitor and Source Test
POC	BAAQMD 8-5-328.1	N		Tank degassing $\geq$ 90% control, POC concentration < 10,000 ppm	BAAQMD 8-5-502 8-5-603	P/A	Source Test
POC	SIP 8-5-328.1.2	Y		90% abatement efficiency (tank degassing)	SIP 8-5-502 8-5-603.2	P/ A	Source Test
POC	BAAQMD 8-5-331	Y		Tank cleaning $\geq$ 90% control	BAAQMD 8-5-502.2 8-5-603	P/A	Source Test
POC		Y		Determination of applicability	BAAQMD 8-5-604	P/E	Look-up table or sample analysis

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - B
Applicable Limits and Compliance Monitoring Requirements
S-11, S-18 AND S-19 - FIXED ROOF TANKS
Not Subject to NSPS Subpart K and MACT Subpart R due to Capacity

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 for bubble compliance determination	BAAQMD Condition # 1253, part IV, Section 3	C/A	Continuous Temperature monitor and Source Test
Temper-ature limit	BAAQMD Condition # 1253, part IID2ii & IV.7	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 - C
Applicable Limits and Compliance Monitoring Requirements
S-12- FIXED ROOF TANK
Subject to MACT Subpart R but not NSPS Subpart K due to Capacity

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
TVP	BAAQMD 8-5-117 8-5-301 SIP 8-5-117 8-5-301	Y		True vapor pressure	BAAQMD 8-5-501.1	P/E initially and upon change of service	Look up table or sample analysis; Records
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 and gas tight (< 500 ppm)	BAAQMD 8-5-403 BAAQMD Condition # 1253, part IV, Section 3b	C P/A	Continuous Temperature Monitor and Source Test
POC	BAAQMD 8-5-328.1	N		Tank degassing ≥ 90% control, POC concentration < 10,000 ppm	BAAQMD 8-5-502 8-5-603	P/A	Source Test
POC	SIP 8-5-328.1.2	Y		90% abatement efficiency (tank degassing)	SIP 8-5-502 8-5-603.2	P/ A	Source Test
POC	BAAQMD 8-5-331	Y		Tank cleaning ≥ 90% control	BAAQMD 8-5-502.2 8-5-603	P/A	Source Test
POC		Y		Determination of applicability	BAAQMD 8-5-604	P/E	Look-up table or sample analysis

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - C
Applicable Limits and Compliance Monitoring Requirements
S-12- FIXED ROOF TANK
Subject to MACT Subpart R but not NSPS Subpart K due to Capacity

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	Subpart Kb 40 CFR 60.112b(a) (3)(i)	Y		Vapor Recovery System no detectable emissions $\geq$ 500 ppm	Subpart Kb 40 CFR 60.113b(c) (2)	C	Comply with operating plan
POC	Subpart Kb 40 CFR 60.112b(a) (3)(ii)	Y		Vapor Recovery System $\geq$ 95% control	Subpart R 40 CFR 63.425(a) (1) 63.425(b) 63.425(c) Subpart XX 60.503	P/A	Source Test
POC	Subpart Kb 40 CFR 60.116b(c)	Y		Record of liquid stored and true vapor pressure	60.116b(c) 60.116b(e)	P/E upon change of service	Records
POC	Subpart Kb 40 CFR 60.116b(f)	Y		Waste Mixture Record of liquid stored and true vapor pressure	60.116b(f)(1) 60.116b(f)(2)	P/E upon change of service	Records
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 for bubble compliance determination	BAAQMD Condition # 1253, part IV, Section 3	C/A	Continuous Temperature monitor and Source Test
Temper-ature limit	BAAQMD Condition # 1253, part IID2ii & IV.7	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
Subject to NSPS Subpart Kb

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
TVP	BAAQMD 8-5-117 8-5-301 SIP 8-5-117 8-5-301	Y		True vapor pressure	BAAQMD 8-5-501.1	P/E initially and upon change of service	Look up table or sample analysis; Records
POC	BAAQMD 8-5-304.6.1	N		EFR leaking pontoons gas tight requirements	BAAQMD 8-5-412	P/Q until repaired	Method 21 portable hydrocarbon detector
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/SA	Inspection Certification
POC	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/SA	Inspection Certification
POC	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/SA	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/SA	Inspection Certification
POC	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/SA	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/SA r	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/SA	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
Subject to NSPS Subpart Kb

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/SA	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/SA	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/SA	Inspection Certification
POC	BAAQMD 8-5-328.1	N		Tank degassing ≥ 90% control, POC concentration < 10,000 ppm	BAAQMD 8-5-502 8-5-603	P/A	Source Test
POC	SIP 8-5-328.1.2	Y		90% abatement efficiency (tank degassing)	SIP 8-5-502 8-5-603.2	P/ A	Source Test
POC	BAAQMD 8-5-331	Y		Tank cleaning ≥ 90% control	BAAQMD 8-5-502.2 8-5-603	P/A	Source Test
POC		Y		Certification reports on tank inspections and source tests	BAAQMD 8-5-404 SIP 8-5-404 SIP 8-5-405	P/ after each tank inspection and source test	Certification report

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
Subject to NSPS Subpart Kb

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC		Y		Records of tank seal replacement	BAAQMD 8-5-501.2	P/ for each tank seal replacement	Records (retain 10 years)
POC		Y		Determination of applicability	BAAQMD 8-5-604	P/E	Look-up table or sample analysis
POC	Subpart Kb 40 CFR 60.112b (a)(2)(ii)	Y		EFR deck fitting closure standards; includes gasketed covers	40 CFR 60.113b(b)(6)	Each time emptied & degassed	Visual inspection
POC	Subpart Kb 40 CFR 60.113b (b)(4)(i)	Y		EFR primary rim-seal standards; includes gap criteria	60.113b(b)(1) 60.113b(b)(2) 60.113b(b)(3)	P/ at 5 year intervals	Measurement and visual inspection
POC	Subpart Kb 40 CFR 60.113b (b)(4)(ii)	Y		EFR secondary rim-seal standards; includes gap criteria	60.113b(b)(1) 60.113b(b)(2) 60.113b(b)(3)	P/A	Measurement and visual inspection
POC	Subpart Kb 40 CFR 60.116b(c)	Y		Record of liquid stored and true vapor pressure	60.116b(c)	P/E upon change of service	Records
POC		Y		EFR seal inspection records for report in 60.115b(b)(2)	60.115b(b)(3)	P/A For each gap measure-ment	Records
POC		Y		EFR inspection report for non-compliant seals	60.115b(b)(4)	P/A Within 30 days of seal inspection	Report

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
Subject to NSPS Subpart Kb

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

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 3b and 11	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 3b and 11	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 3b and 11	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 3b and 11	C/A	Continuous Temperature monitor and Source Test

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 IB	Y		94.811tpy for all sources	BAAQMD Condition # 1253, part IIID, Schedule D	P/A	Calculations and Records
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 3b and 11	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 3b	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	P/E	Inspection
SO2	BAAQMD Regulation 9-1-303	Y		SO2 < 2000 ppm, or Fuel Sulfur < 3.34% by weight	BAAQMD Regulation 9-1-602 Condition # 1253, part IIID, schedule E	P/Q	Analysis reports

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
Temper-ature limit	BAAQMD Condition # 1253, part IID Section 2ii, Part IV, Section 7	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-30 – OILY WATER SEPARATOR

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	BAAQMD Regulation 8-8-301	Y		No cracks or gaps > 0.32 cm (0.125 inch)	BAAQMD Regulation 8-8-301	P/SA	Inspection
POC	BAAQMD Regulation 8-8-303	Y		Vapor Tight	BAAQMD Regulation 8-8-603	None	Inspection
POC	BAAQMD Regulation 8-8-305	Y		No cracks or gaps > 0.32 cm (0.125 inch)	BAAQMD Regulation 8-8-305	P/SA	Inspection
POC	BAAQMD Condition # 24966, part 5	Y		Second to last carbon vessel outlet > 10% of inlet concentration or >10 ppmv	BAAQMD Condition # 24966, part 3	P/M	FID Inspection
POC	BAAQMD Condition # 24966, part 6	Y		Last carbon vessel outlet > 10 ppmv	BAAQMD Condition # 24966, part 3	P/M	FID Inspection
Through-put	BAAQMD Condition # 24966, part 1	Y		650,000 gallons per any consecutive 12-month period	BAAQMD Condition # 24966, part 7	C	Records
Through-put	BAAQMD Condition # 24966, part 2	Y		100 scfm to carbon abatement	None	N/A	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
Subject to NSPS Subpart Ka and MACT Subpart R

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
TVP	BAAQMD 8-5-117 8-5-301 SIP 8-5-117 8-5-301	Y		True vapor pressure	BAAQMD 8-5-501.1	P/E initially and upon change of service	Look up table or sample analysis; Records
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 and gas tight (<500 ppm)	BAAQMD 8-5-403 BAAQMD Condition # 1253, part IV, Section 3b	C P/A	Continuous Temperature Monitor and Source Test
POC	BAAQMD 8-5-328.1	N		Tank degassing $\geq$ 90% control, POC concentration < 10,000 ppm	BAAQMD 8-5-502 8-5-603	P/A	Source Test
POC	SIP 8-5-328.1.2	Y		90% abatement efficiency (tank degassing)	SIP 8-5-502 8-5-603.2	P/ A	Source Test
POC	BAAQMD 8-5-331	Y		Tank cleaning $\geq$ 90% control	BAAQMD 8-5-502.2 8-5-603	P/A	Source Test
POC		Y		Determination of applicability	BAAQMD 8-5-604	P/E	Look-up table or sample analysis

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - H
Applicable Limits and Compliance Monitoring Requirements
S-27, AND S-28 - FIXED ROOF TANKS
Subject to NSPS Subpart Ka and MACT Subpart R

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	Subpart Ka 40 CFR 60.112(a)(a)(3)	Y		Controlled ≥ 95%	Subpart Ka 40 CFR 60.113(a)(a)(2)	N	None
POC	Subpart Kb 40 CFR 60.112b(a)(3)(i)	Y		Vapor Recovery System no detectable emissions ≥ 500 ppm	Subpart Kb 40 CFR 60.113b(c)(2)	C	Comply with operating plan
POC	Subpart Kb 40 CFR 60.112b(a)(3)(ii)	Y		Vapor Recovery System ≥ 95% control	Subpart R 40 CFR 63.425(a)(1) 63.425(b) 63.425(c) Subpart XX 60.503	P/A	Source Test
POC	Subpart Kb 40 CFR 60.116b(c)	Y		Record of liquid stored and true vapor pressure	60.116b(c) 60.116b(e)	P/E upon change of service	Records
POC	Subpart Kb 40 CFR 60.116b(f)	Y		Waste Mixture Record of liquid stored and true vapor pressure	60.116b(f)(1) 60.116b(f)(2)	P/E upon change of service	Records
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 for bubble compliance determination	BAAQMD Condition # 1253, part IV, Section 3	C/A	Continuous Temperature monitor and Source Test

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - H
Applicable Limits and Compliance Monitoring Requirements
S-27, AND S-28 - FIXED ROOF TANKS
Subject to NSPS Subpart Ka and MACT Subpart R

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 IID2ii & IV.7	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
Through-put	BAAQMD Condition # 13720, part 1	Y		Natural gas ≤ 90 M SCF/ 12 months	BAAQMD Condition # 13720, part 6	C	Flow meter
SO2	BAAQMD Regulation 9-1-301	Y		Ground Level Concentration > 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	BAAQMD 9-1-501	P/ As required by APCO	Area Monitoring
SO2	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
NOx	SIP Regulation 9-7-301.1	Y		30 ppmv dry, @ 3% O2	BAAQMD Condition # 13720, part 5	P/A	Source test
NOx	BAAQMD Regulation 9-7-307.3	N		15 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 # 13720, Part 2	Y		15 ppmv @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
CO	SIP Regulation 9-7-301.2	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 # 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
Visible Emissions	BAAQMD 6-1-301	N		Visible emission must not be as dark as or darker than Ringelmann No. 1 for a period of more than 3 minutes in any hour	None	N	N
Visible Emissions	SIP 6-301	Y		Visible emission must not be as dark as or darker than Ringelmann No. 1 for a period of more than 3 minutes in any hour	None	N	N
Visible Emissions	BAAQMD 6-1-304	N		During tube cleaning, visible emission must not be as dark as or darker than Ringelmann No. 2 for a period of more than 6 minutes in 24 hours	None	N	N

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
Visible Emissions	SIP 6-304	Y		During tube cleaning, visible emission must not be as dark as or darker than Ringelmann No. 2 for a period of more than 6 minutes in 24 hours	None	N	N
FP	BAAQMD 6-1-310.3	N		Particulate Matter < 343 mg per dscm (0.15 gr/dscf) @ 6% oxygen volume	None	N	N
FP	SIP 6-310.3	Y		Particulate Matter < 343 mg per dscm (0.15 gr/dscf) @ 6% oxygen volume	None	N	N
PM	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.1
Applicable Limits and Compliance Monitoring Requirements
S-75 EMERGENCY DIESEL GENERATOR

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Visible Emissions	BAAQMD 6-1-303.1	N		≥ Ringelmann No. 2 for no more than 3 minutes/hour	BAAQMD Regulation 6-1-401	C	Visible Inspection
Visible Emissions	SIP Regulation 6-303.1	Y		≥ Ringelmann 2.0 for no more than 3 minutes/hour	SIP Regulation 6-401	C	Visible Inspection
Visible Particles	BAAQMD 6-1-305	N		Prohibition of nuisance	None	N	N/A
Visible Particles	SIP 6-305	Y		Prohibition of nuisance	None	N	N/A
FP	BAAQMD 6-1-310	N		0.15 gr/dscf	None	N	N/A
FP	SIP Regulation 6-310	Y		0.15 gr/dscf	None	N	N/A
SO_2	BAAQMD Regulation 9-1-301	Y		Ground Level Concentration > 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	BAAQMD 9-1-501	P/ As required by APCO	Area Monitoring
SO_2	BAAQMD Regulation 9-1-302	Y		≤ 300 ppm SO2, dry	None	N	None
SO_2	BAAQMD Regulation 9-1-304	Y		Fuel Sulfur Limit 0.5%	None	P/M	Vendor Certification
Hours of operation	BAAQMD 9-8-330.3	N		< 50 hours/year for reliability-related activities	BAAQMD 9-8-530	C	Totalizing meter
					BAAQMD 9-8-520.1 & 9-8-530	M	Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – J.1
Applicable Limits and Compliance Monitoring Requirements
S-75 EMERGENCY DIESEL GENERATOR

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Hours of operation	CCR, Title 17, Section 93115.6 (a)(3)(A)(1)(c)	N		< 50 hours/year for maintenance and testing	CCR, Title 17, Section 93115.10 (e)(1)	C	Totalizing Counter
					CCR, Title 17, Section 93115.10(g)	M	Records
Hours of operation	BAAQMD Condition # 19308, Part 2	Y		50 hours per year	BAAQMD Condition # 19308, Parts 3& 4	C	Totalizing meter
Hours of operation	40 CFR 63.6640 (f)(1)(ii)	Y		< 100 hours/year for readiness testing	40 CFR 63.6625(f)	C	Totalizing meter
Hours of operation	40 CFR 63.6640 (f)(1)(iii)	Y		< 50 hours/year for non-emergency and not readiness testing	40 CFR 63.6625(f)	C	Totalizing meter

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – J.2
Applicable Limits and Compliance Monitoring Requirements
S-91 EMERGENCY DIESEL FIREWATER PUMP

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Visible Emissions	BAAQMD 6-1-303.1	N		≥ Ringelmann No. 2 for no more than 3 minutes/hour	BAAQMD Regulation 6-1-401	C	Visible Inspection
Visible Emissions	SIP Regulation 6-303.1	Y		≥ Ringelmann 2.0 for no more than 3 minutes/hour	SIP Regulation 6-401	C	Visible Inspection
Visible Particles	BAAQMD 6-1-305	N		Prohibition of nuisance	None	N	N/A
Visible Particles	SIP 6-305	Y		Prohibition of nuisance	None	N	N/A
FP	BAAQMD 6-1-310	N		0.15 gr/dscf	None	N	N/A
FP	SIP Regulation 6-310	Y		0.15 gr/dscf	None	N	N/A
SO_2	BAAQMD Regulation 9-1-301	Y		Ground Level Concentration > 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	BAAQMD 9-1-501	P/ As required by APCO	Area Monitoring
SO_2	BAAQMD Regulation 9-1-302	Y		≤ 300 ppm SO2, dry	None	N	None
SO_2	BAAQMD Regulation 9-1-304	Y		Fuel Sulfur Limit 0.5%	None	P/M	Vendor Certification
SO2	40 CFR 60.4207(a)	Y		Use diesel fuel that meets500 ppm sulfur content per 40 CFR 80.510(a) requirements	None	N	N/A

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – J.2
Applicable Limits and Compliance Monitoring Requirements
S-91 EMERGENCY DIESEL FIREWATER PUMP

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
SO2	40 CFR 60.4207(b)	Y		Use diesel fuel that meets 15 ppm sulfur content per 40 CFR 80.510(b) for nonroad diesel	None	N	N/A
Hours of operation	BAAQMD 9-8-330.3	N		< 50 hours/year for reliability-related activities	BAAQMD 9-8-530	C	Totalizing meter
					BAAQMD 9-8-520.1 & 9-8-530	M	Records
Hours of operation	CCR, Title 17, Section 93115.6 (a)(3)(A)(1)(c)	N		< 50 hours/year for maintenance and testing	CCR, Title 17, Section 93115.10 (e)(1)	C	Totalizing Counter
					CCR, Title 17, Section 93115.10(g)	M	Records
Hours of operation	BAAQMD Condition # 22850, Part 1	Y		50 hours per year	BAAQMD Condition # 22805, Parts 3& 4	C	Totalizing meter
Hours of operation	40 CFR 60.4211(e)	Y		< 100 hours/year for maintenance and readiness checks	40 CFR 60.4209(a)	C	Totalizing meter
NMHC + NOx	40 CFR 60.4205(c)	Y		3.0 g/bhp-hr	40 CFR 60.4211(a)	C	Operate and maintain per mfg instructions
CO	40 CFR 60.4205(c)	Y		2.6 g/bhp-hr	40 CFR 60.4211(a)	C	Operate and maintain per mfg instructions
PM	40 CFR 60.4205(c)	Y		0.15 g/bhp-hr	40 CFR 60.4211(a)	C	Operate and maintain per mfg instructions

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
Subject to NSPS Subpart Kb and MACT Subpart R

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
TVP	BAAQMD 8-5-117 8-5-301 SIP 8-5-117 8-5-301	Y		True vapor pressure	BAAQMD 8-5-501.1	P/E initially and upon change of service	Look up table or sample analysis; Records
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

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
Subject to NSPS Subpart Kb and MACT Subpart R

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 8-5-320.5.2	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
POC	BAAQMD 8-5-320.6	Y		Emergency roof drain with slotted membrane fabric cover $\geq$ 90% opening area	BAAQMD 8-5-402 & 8-5-404	P/twice per year at 4 to 8 months interval	Inspection Certification
POC	BAAQMD 8-5-321.1	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 and every time a seal is repaired or replaced	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 8-5-402.1, 8-5-404	P/10 yr and every time a seal is repaired or replaced	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
Subject to NSPS Subpart Kb and MACT Subpart R

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 8-5-321.3.1	Y		Gap between shoe and tank shell is no greater than 46 cm (18 in)	BAAQMD 8-5-402.1, 8-5-404	P/10 yr and every time a seal is repaired or replaced	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 8-5-402.1, 8-5- 404	P/10 yr and every time a seal is repaired or replaced	Inspection Certification
POC	BAAQMD 8-5-322.1	Y		No holes, tears, or other openings in secondary seal	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 8-5-402.1, & 8-5-404	P/10 yr and every time a seal is repaired or replaced	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
Subject to NSPS Subpart Kb and MACT Subpart R

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	BAAQMD 8-5-322.3	Y		Gap between tank shell and the secondary seal shall not exceed 1.3 cm (1/2 in)	BAAQMD 8-5-402.2, & 8-5-404	PP/twice per year at 4 to 8 months interval	Inspection Certification
POC	BAAQMD 8-5-328.1	Y		Tanks > 75 m3 residual organic concentration of < 10,000 ppm as methane after degassing	BAAQMD 8-5-328.1	P/each time emptied & degassed; 4 consecutive measure-ments at 15 minute intervals	Method 21 portable hydrocarbon detector
POC	BAAQMD 8-5-328.1	Y		Tank $\geq$ 75 m^3, Tank degassing 90% control	BAAQMD 8-5-502	P/E	Source Test
POC	SIP 8-5-328.1.1	Y		Tank $\geq$ 75 m^3, tank degassing shall have liquid balancing with $\leq$ 0.5 psia	None	N	None
POC	SIP 8-5-328.1.2	Y		Tank $\geq$ 75 m^3, Tank degassing 90% control, POC concentration < 10,000 ppm	SIP 8-5-502	P/A	Source Test
POC	Subpart R 40 CFR 63.423(a) Subpart Kb 40 CFR 60.112b (a)(1)	Y		IFR deck fitting closure standards	Subpart R 40 CFR 63.425(d) 40 CFR 60.113b(a)(1) 60.113b(a)(4)	Prior to filling tank, each time emptied & degassed, and at least every 10 yr	Visual inspection

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
Subject to NSPS Subpart Kb and MACT Subpart R

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	Subpart R 40 CFR 63.425(d) Subpart Kb 40 CFR 60.113b (a)(1)	Y		Primary and secondary seal -- No holes, tears or other openings	Subpart R 40 CFR 63.425(d) 40 CFR 60.113b(a) (1)	Prior to filling tank	Visual inspection
POC	Subpart R 40 CFR 63.425(d) Subpart Kb 40 CFR 60.113b (a)(2)	Y		Primary and secondary seal -- No holes, tears or other openings; Floating Roof on surface; No liquid on floating roof	Subpart R 40 CFR 63.425(d) 40 CFR 60.113b(a) (4)	PP/E (emptied and degassed)	Inspection
POC	Subpart R 40 CFR 63.425(d) Subpart Kb 40 CFR 60.113b (a)(2)	Y		Primary and secondary seal -- No holes, tears or other openings; Floating Roof on surface; No liquid on floating roof	Subpart R 40 CFR 63.425(d) 40 CFR 60.113b(a) (1)	P/A	Inspection from viewports
POC	Subpart Kb 40 CFR 60.116b (c)	Y		Record of liquid stored and true vapor pressure	40 CFR 60.116b(c)	P/E upon change of service	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 – K
Applicable Limits and Compliance Monitoring Requirements
S-76, S-77 AND S-78 - INTERNAL FLOATING ROOF TANKS
Subject to NSPS Subpart Kb and MACT Subpart R

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 # 20060, part 1	Y		Gasoline or other hydrocarbon liquids throughput ≤ 105 million gallons for consecutive 12-months for S-76, 77 and 78	BAAQMD Condition # 20060, part 6	P/D	Monthly Records
POC	BAAQMD Condition # 20060, part 2	Y		Gasoline or other hydrocarbon liquids throughput ≤ 4.2 million_gallons/ claendar day for S-76, 77 and 78	BAAQMD # 20060, part 6	P/D	Monthly Records
Benzene	BAAQMD Condition # 20060, part 3	N		Benzene concentration ≤ 1.8 % wt.	BAAQMD Condition # 20060, part 3	P/6 months	Sample Analysis

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
Subject to NSPS Subpart Kb and MACT Subpart R

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
TVP	BAAQMD 8-5-117 8-5-301 SIP 8-5-117 8-5-301	Y		True vapor pressure	BAAQMD 8-5-501.1	P/E initially and upon change of service	Look up table or sample analysis; Records
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 $\leq$ 0.32 cm (1/8 in) gap	BAAQMD 8-5-402.3 & 8-5-404	P/twice per year at 4 to 8 months interval	Inspection Certification
POC	BAAQMD 8-320.3.2	Y		Inaccessible opening no visible gap	BAAQMD 8-5-402.3 & 8-5-404	P/twice per year at 4 to 8 months interval	Inspection Certification
POC	BAAQMD 8-5-320.4.2	Y		Solid sampling or gauging wells in closed position with cover, seal or lid $\leq$ 0.32 cm (1/8 in)	BAAQMD 8-5-402.3 & 8-5-404	P/twice per year at 4 to 8 months interval	Inspection Certification
POC	BAAQMD 8-5-320.4.3	Y		Solid sampling or gauging wells: Gap between well and roof shall be added to gaps 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

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
Subject to NSPS Subpart Kb and MACT Subpart R

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 8-5-320.5.2	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 and every time a seal is repaired or replaced	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 8-5-402.1, 8-5-404	P/10 yr and every time a seal is repaired or replaced	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
Subject to NSPS Subpart Kb and MACT Subpart R

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 8-5-321.3.1	Y		Gap between shoe and tank shell is no greater than 46 cm (18 in)	BAAQMD 8-5-402.1, 8-5-404	P/10 yr and every time a seal is repaired or replaced	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 8-5-402.1, 8-5- 404	P/10 yr and every time a seal is repaired or replaced	Inspection Certification
POC	BAAQMD 8-5-322.1	Y		No holes, tears, or other openings in secondary seal	BAAQMD 8-5-402.2 & 8-5-404	P/twice per year at 4 to 8 months interval	Inspection Certification
POC	BAAQMD 8-5-322.2	Y		Secondary seal shall allow insertion up to 3.8 cm (1 ½ in) in width	BAAQMD 8-5-402.1, & 8-5-404	P/10 yr and every time a seal is repaired or replaced	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
Subject to NSPS Subpart Kb and MACT Subpart R

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	BAAQMD 8-5-322.3	Y		Gap between tank shell and the secondary seal shall not exceed 1.3 cm (1/2 in)	BAAQMD 8-5-402.2, & 8-5-404	PP/twice per year at 4 to 8 months intervals	Inspection Certification
POC	BAAQMD 8-5-328.1	Y		Tanks > 75 m3 residual organic concentration of < 10,000 ppm as methane after degassing	BAAQMD 8-5-328.1	P/each time emptied & degassed; 4 consecutive measure-ments at 15 minute intervals	Method 21 portable hydrocarbon detector
POC	BAAQMD 8-5-328.1	Y		Tank $\geq$ 75 m^3, Tank degassing 90% control	BAAQMD 8-5-502	P/E	Source Test
POC	SIP 8-5-328.1.1	Y		Tank $\geq$ 75 m^3, tank degassing shall have liquid balancing with $\leq$ 0.5 psia	None	N	None
POC	SIP 8-5-328.1.2	Y		Tank $\geq$ 75 m^3, Tank degassing 90% control, POC concentration < 10,000 ppm	SIP 8-5-502	P/A	Source Test
POC	Subpart R 40 CFR 63.423(a) Subpart Kb 40 CFR 60.112b (a)(1)	Y		IFR deck fitting closure standards	Subpart R 40 CFR 63.425(d) 40 CFR 60.113b(a)(1) 60.113b(a)(4)	Prior to filling tank, each time emptied & degassed, and at least every 10 yr	Visual inspection

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
Subject to NSPS Subpart Kb and MACT Subpart R

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	Subpart R 40 CFR 63.425(d) Subpart Kb 40 CFR 60.113b (a)(1)	Y		Primary and secondary seal -- No holes, tears or other openings	Subpart R 40 CFR 63.425(d) 40 CFR 60.113b(a) (1)	Prior to filling tank	Visual inspection
POC	Subpart R 40 CFR 63.425(d) Subpart Kb 40 CFR 60.113b (a)(2)	Y		Primary and secondary seal -- No holes, tears or other openings; Floating Roof on surface; No liquid on floating roof	Subpart R 40 CFR 63.425(d) 40 CFR 60.113b(a) (4)	P/E (emptied and degassed)	Inspection
POC	Subpart R 40 CFR 63.425(d) Subpart Kb 40 CFR 60.113b (a)(2)	Y		Primary and secondary seal -- No holes, tears or other openings; Floating Roof on surface; No liquid on floating roof	Subpart R 40 CFR 63.425(d) 40 CFR 60.113b(a) (1)	P/A	Inspection from viewports
POC	Subpart Kb 40 CFR 60.116b (c)	Y		Record of liquid stored and true vapor pressure	40 CFR 60.116b(c)	P/E upon change of service	Records
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		Material throughput $\leq$ 403.2 million gallons for consecutive 12-months for S-79 and 80	BAAQMD Condition # 21829, part 7	P/D	Monthly 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
Subject to NSPS Subpart Kb and MACT Subpart R

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 2	Y		Materials other than gasoline diesel or jet fuel may be stored if POC emissionst ≤ 8,558 lb/yr for S-79 and 80	BAAQMD # 21829, part 7	P/D	Monthly Records
POC	BAAQMD Condition # 21829, part 4	N		Benzene concentration ≤ 1.4 % wt.	BAAQMD Condition # 21829, part 4	P/6 months	Sample Analysis

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
Subject to NSPS Subpart Kb and MACT Subpart R

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
TVP	BAAQMD 8-5-117 8-5-301 SIP 8-5-117 8-5-301	Y		True vapor pressure	BAAQMD 8-5-501.1	P/E initially and upon change of service	Look up table or sample analysis; Records
POC	BAAQMD 8-320.3.1	Y		Gasket cover $\leq$ 0.32 cm (1/8 in) gap	BAAQMD 8-5-402.3 & 8-5-404	P/twice per year at 4 to 8 months interval	Inspection Certification
POC	BAAQMD 8-320.3.2	Y		Inaccessible opening no visible gap	BAAQMD 8-5-402.3 & 8-5-404	P/twice per year at 4 to 8 months interval	Inspection Certification
POC	BAAQMD 8-5-320.4.2	Y		Solid sampling or gauging wells in closed position with cover, seal or lid $\leq$ 0.32 cm (1/8 in)	BAAQMD 8-5-402.3 & 8-5-404	P/twice per year at 4 to 8 months interval	Inspection Certification
POC	BAAQMD 8-5-320.4.3	Y		Solid sampling or gauging wells: Gap between well and roof shall be added to gaps 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

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
Subject to NSPS Subpart Kb and MACT Subpart R

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 8-5-320.5.3	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
POC	BAAQMD 8-5-320.6	Y		Emergency roof drain with slotted membrane fabric cover $\geq$ 90% opening area	BAAQMD 8-5-402 & 8-5-404	P/twice per year at 4 to 8 months interval	Inspection Certification
POC	BAAQMD 8-5-321.1	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 and every time a seal is repaired or replaced	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 8-5-402.1, 8-5-404	P/10 yr and every time a seal is repaired or replaced	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 8-5-402.1, 8-5-404	P/10 yr and every time a seal is repaired or replaced	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
Subject to NSPS Subpart Kb and MACT Subpart R

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 8-5-402.1, 8-5- 404	P/10 yr and every time a seal is repaired or replaced	Inspection Certification
POC	BAAQMD 8-5-322.1	Y		No holes, tears, or other openings in secondary seal	BAAQMD 8-5-402.2 & 8-5-404	P/twice per year at 4 to 8 months interval	Inspection Certification
POC	BAAQMD 8-5-322.2	Y		Secondary seal shall allow insertion up to 3.8 cm (1 ½ in) in width	BAAQMD 8-5-402.1, & 8-5-404	P/10 yr and every time a seal is repaired or replaced	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 8-5-402.2, & 8-5-404	PP/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
Subject to NSPS Subpart Kb and MACT Subpart R

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	Y		Tanks > 75 m3 residual organic concentration of < 10,000 ppm as methane after degassing	BAAQMD 8-5-328.1	P/each time emptied & degassed; 4 consecutive measure-ments at 15 minute intervals	Method 21 portable hydrocarbon detector
POC	BAAQMD 8-5-328.1	Y		Tank $\geq$ 75 m^3, Tank degassing 90% control	BAAQMD 8-5-502	P/E	Source Test
POC	SIP 8-5-328.1.1	Y		Tank $\geq$ 75 m^3, tank degassing shall have liquid balancing with $\leq$ 0.5 psia	None	N	None
POC	SIP 8-5-328.1.2	Y		Tank $\geq$ 75 m^3, Tank degassing 90% control, POC concentration < 10,000 ppm	SIP 8-5-502	P/A	Source Test
POC	Subpart R 40 CFR 63.423(a) Subpart Kb 40 CFR 60.112b (a)(1)	Y		IFR deck fitting closure standards	Subpart R 40 CFR 63.425(d) 40 CFR 60.113b(a)(1) 60.113b(a)(4)	Prior to filling tank, each time emptied & degassed, and at least every 10 yr	Visual inspection
POC	Subpart R 40 CFR 63.425(d) Subpart Kb 40 CFR 60.113b (a)(1)	Y		Primary and secondary seal -- No holes, tears or other openings	Subpart R 40 CFR 63.425(d) 40 CFR 60.113b(a) (1)	Prior to filling tank	Visual inspection

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
Subject to NSPS Subpart Kb and MACT Subpart R

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	Subpart R 40 CFR 63.425(d) Subpart Kb 40 CFR 60.113b (a)(2)	Y		No holes, tears or other openings in primary and secondary seals; Floating Roof on surface; No liquid on floating roof	Subpart R 40 CFR 63.425(d) 40 CFR 60.113b(a) (4)	P/E (emptied and degassed)	Inspection
POC	Subpart R 40 CFR 63.425(d) Subpart Kb 40 CFR 60.113b (a)(2)	Y		Primary and secondary seal -- No holes, tears or other openings; Floating Roof on surface; No liquid on floating roof	Subpart R 40 CFR 63.425(d) 40 CFR 60.113b(a) (1)	P/A	Inspection from viewports
POC	Subpart Kb 40 CFR 60.116b (c)	Y		Record of liquid stored and true vapor pressure	40 CFR 60.116b(c)	P/E upon change of service	Records
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 gallons for consecutive 12-months for S-81, 82, and 83	BAAQMD Condition # 22788, part 7	P/D	Monthly Records
POC	BAAQMD Condition # 22788, part 2	Y		Materials other than gasoline diesel or jet fuel may be stored if POC emissions ≤ 13,591 lb/yr for S-81, 82, and 83	BAAQMD # 22788, part 7	P/D	Monthly 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
Subject to NSPS Subpart Kb and MACT Subpart R

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 4	N		Benzene concentration ≤ 1.4 % wt.	BAAQMD Condition # 22788, part 4	P/6 months	Sample Analysis

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
TVP	BAAQMD 8-5-117 8-5-301 SIP 8-5-117 8-5-301	Y		True vapor pressure	BAAQMD 8-5-501.1	P/E initially and upon change of service	Look up table or sample analysis; Records
POC	BAAQMD 8-320.3.1	Y		Gasket cover $\leq$ 0.32 cm (1/8 in) gap	BAAQMD 8-5-402.3 & 8-5-404	P/twice per year at 4 to 8 months interval	Inspection Certification
POC	BAAQMD 8-320.3.2	Y		Inaccessible opening no visible gap	BAAQMD 8-5-402.3 & 8-5-404	P/twice per year at 4 to 8 months interval	Inspection Certification
POC	BAAQMD 8-5-320.4.2	Y		Solid sampling or gauging wells in closed position with cover, seal or lid $\leq$ 0.32 cm (1/8 in)	BAAQMD 8-5-402.3 & 8-5-404	P/twice per year at 4 to 8 months interval	Inspection Certification
POC	BAAQMD 8-5-320.4.3	Y		Solid sampling or gauging wells: Gap between well and roof shall be added to gaps 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

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 8-5-320.5.3	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
POC	BAAQMD 8-5-320.6	Y		Emergency roof drain with slotted membrane fabric cover $\geq$ 90% opening area	BAAQMD 8-5-402 & 8-5-404	P/twice per year at 4 to 8 months interval	Inspection Certification
POC	BAAQMD 8-5-321.1	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 and every time a seal is repaired or replaced	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 8-5-402.1, 8-5-404	P/10 yr and every time a seal is repaired or replaced	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 8-5-402.1, 8-5-404	P/10 yr and every time a seal is repaired or replaced	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 8-5-321.3.2	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 8-5-402.1, 8-5- 404	P/10 yr and every time a seal is repaired or replaced r	Inspection Certification
POC	BAAQMD 8-5-322.1	Y		No holes, tears, or other openings in secondary seal	BAAQMD 8-5-402.2 & 8-5-404	P/twice per year at 4 to 8 months interval	Inspection Certification
POC	BAAQMD 8-5-322.2	Y		Secondary seal shall allow insertion up to 3.8 cm (1 ½ in) in width	BAAQMD 8-5-402.1, & 8-5-404	P/10 yr and every time a seal is repaired or replaced	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 8-5-402.2, & 8-5-404	PP/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 8-5-328.1	Y		Tanks > 75 m3 residual organic concentration of < 10,000 ppm as methane after degassing	BAAQMD 8-5-328.1	P/each time emptied & degassed; 4 consecutive measure-ments at 15 minute intervals	Method 21 portable hydrocarbon detector
POC	BAAQMD 8-5-328.1	Y		Tank $\geq$ 75 m^3, Tank degassing 90% control	BAAQMD 8-5-502	P/E	Source Test
POC	SIP 8-5-328.1.1	Y		Tank $\geq$ 75 m^3, tank degtassing shall have liquid balancing with $\leq$ 0.5 psia	None	N	None
POC	SIP 8-5-328.1.2	Y		Tank $\geq$ 75 m^3, Tank degassing 90% control, POC concentration < 10,000 ppm	SIP 8-5-502	P/A	Source Test
POC	Subpart R 40 CFR 63.423(a) Subpart Kb 40 CFR 60.112b (a)(1)	Y		IFR deck fitting closure standards	Subpart R 40 CFR 63.425(d) 40 CFR 60.113b(a)(1) 60.113b(a)(4)	Prior to filling tank, each time emptied & degassed, and at least every 10 yr	Visual inspection
POC	Subpart R 40 CFR 63.425(d) Subpart Kb 40 CFR 60.113b (a)(1)	Y		Primary and secondary seal -- No holes, tears or other openings	Subpart R 40 CFR 63.425(d) 40 CFR 60.113b(a) (1)	Prior to filling tank	Visual inspection

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	Subpart R 40 CFR 63.425(d) Subpart Kb 40 CFR 60.113b (a)(2)	Y		No holes, tears or other openings in primary and secondary seals; Floating Roof on surface; No liquid on floating roof	Subpart R 40 CFR 63.425(d) 40 CFR 60.113b(a) (4)	P/E (emptied and degassed)	Inspection
POC	Subpart R 40 CFR 63.425(d) Subpart Kb 40 CFR 60.113b (a)(2)	Y		Primary and secondary seal -- No holes, tears or other openings; Floating Roof on surface; No liquid on floating roof	Subpart R 40 CFR 63.425(d) 40 CFR 60.113b(a) (1)	P/A	Inspection from viewports
POC	Subpart Kb 40 CFR 60.116b (c)	Y		Record of liquid stored and true vapor pressure	40 CFR 60.116b(c)	P/E upon change of service	Records
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 gallons for consecutive 12-months for S-84 through 90	BAAQMD Condition # 23338, part 7	P/D	Monthly Records
POC	BAAQMD Condition # 23338, part 2	Y		Materials other than gasoline diesel or jet fuel may be stored if POC emissions ≤ 33,178 lb/yr for S-84 through 90	BAAQMD # 23338, part 7	P/D	Monthly 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 4	N		Benzene concentration ≤ 1.4 % wt.	BAAQMD Condition # 23338, part 4	P/6 months	Sample Analysis

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
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	BAAQMD 9-1-501	P/ As required by APCO	Area Monitoring
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
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
Visible Emissions	BAAQMD 6-1-301	N		Visible emission must not be as dark as or darker than Ringelmann No. 1 for a period of more than 3 minutes in any hour	None	N	N

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
Visible Emissions	SIP 6-301	Y		Visible emission must not be as dark as or darker than Ringelmann No. 1 for a period of more than 3 minutes in any hour	None	N	N
Visible Particles	BAAQMD 6-1-305	N		Prohibition of nuisance	None	N	N/A
Visible Particles	SIP 6-305	Y		Prohibition of nuisance	None	N	N/A
FP	BAAQMD 6-1-310	N		0.15 gr/dscf	None	N	N/A
FP	SIP 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
Ambient H2S	BAAQMD 9-2-301	Y		Ground level concentrations of 0.06 ppm for 3 min or 0.03 ppm for 60 min	BAAQMD 9-2-501 9-2-602	P/ As required by APCO	Area Monitoring

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
Visible Emissions	BAAQMD 6-1-301	N		Visible emission must not be as darkas or darker than Ringelmann No. 1 for a period of more than 3 minutes in any hour	BAAQMD Regulation 6-401	C	Visible Inspection
FP	SIP Regulation 6-301	Y		Ringelmann 1 Limitation	SIP Regulation 6-401	C	Visible Inspection
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	BAAQMD 9-1-501	As required by APCO	Area Monitoring
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
POC	BAAQMD 8-5-328.1	N		Tank degassing $\geq$ 90% control, POC concentration < 10,000 ppm	BAAQMD 8-5-502 8-5-603	P/A	Source Test
POC	SIP 8-5-328.1.2	Y		90% abatement efficiency (tank degassing)	SIP 8-5-502 8-5-603.2	P/ A	Source Test
POC	BAAQMD 8-5-331	Y		Tank cleaning $\geq$ 90% control	BAAQMD 8-5-502.2 8-5-603	P/A	Source Test
POC		Y		Determination of applicability	BAAQMD 8-5-604	P/E	Look-up table or sample analysis

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
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

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 8-18-301	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	N		Valves leaks ≤ 100 ppm	BAAQMD Regulation 8-18-401	P/Q	Portable hydrocarbon detector, records
POC	BAAQMD 8-18-302.1 8-18-302.2	N		Inaccessible Valve leak ≤ 100 ppm or minimize in 24 hours, repair in 7 days	BAAQMD 8-18-401.3	P/A	Portable hydrocarbon detector, records
POC	BAAQMD 8-18-302.3 8-18-306.2 8-18-306.3 8-18-306.4	N		Non-repairable valves	BAAQMD 8-18-401.9	P/Q	Portable hydrocarbon detector, records
POC	BAAQMD 8-18-302.3 8-18-306.4	N		Mass emission rate </= 15 lb/day for non-repairable valve with major leak (>/= 10,000 ppm)	BAAQMD 8-18-401.10 8-18-604	P/A	Mass Emission Sampling
POC	BAAQMD Regulation 8-18-303	N		Pump, compressor leaks ≤ 500 ppm	BAAQMD Regulation 8-18-401	P/Q	Portable hydrocarbon detector, records
POC	BAAQMD Regulation 8-18-304	N		Connection leaks ≤ 100 ppm	BAAQMD Regulation 8-18-401	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	BAAQMD Regulation 8-18-305	Y		Pressure relief valves ≤ 500 ppm	BAAQMD Regulation 8-18-401	P/Q	Portable hydrocarbon detector, records
POC	BAAQMD 8-18-305	Y		Inaccessible pressure relief valve leak ≤ 500 ppm	BAAQMD 8-18-401.3	P/A	Method 21 Inspection
POC	BAAQMD Regulation 8-18-306.1	Y		Non-repairable be replaced within 5 years or at next scheduled turnaround	BAAQMD 8-18-502.4	P/Q	Report
POC	SIP Regulation 8-18-306.2	Y		Number awaiting repair < 0.5% valves, 1% pressure relief valves, 1% pump and compressor	BAAQMD 8-18-502.4	P/Q	Report
POC	BAAQMD Regulation 8-18-306.2	Y		Number awaiting repair < 0.3% valves, 0.025% valves with major leaks, 1% pressure relief valves, 1% pump and compressor	BAAQMD 8-18-502.4	P/Q	Report
POC	SIP 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	

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 Regulation 8-18-302	Y		Valves ≤ 100 ppm	SIP Regulation 8-18-401	P/Q	Portable hydrocarbon detector, records
POC	SIP Regulation 8-18-303	Y		Connectors ≤ 100 ppm	SIP Regulation 8-18-401	P/Q	Portable hydrocarbon detector, records
POC	SIP Regulation 8-18-304	Y		Non-repairable valves ≤ 0..5 %	SIP Regulation 8-18-401	P/Q	Portable hydrocarbon detector, records
POC	SIP Regulation 8-25-302	Y		,Pump ≤ 500 ppm	SIP Regulation 8-25-401	P/Q	Portable hydrocarbon detector, records
POC	SIP Regulation 8-25-303	Y		Compressors ≤ 500 ppm	SIP Regulation 8-25-401	P/Q	Portable hydrocarbon detector, records
POC	SIP Regulation 8-25-304.1	Y		Pumps and compressors repair or replaced within 5 years or at the next scheduled turnaround	SIP Regulation 8-25-401	P/Q	Portable hydrocarbon detector, records
POC	SIP Regulation 8-25-304.2	Y		Non-repairable pumps and compressors ≤ 1 %	SIP Regulation 8-25-401	P/Q	Portable hydrocarbon detector, records
POC	SIP Regulation 8-18-305	Y		New replaced pumps and compressor ≤ 500 ppm for 4 consecutive quarters	SIP 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 Regulation 8-25-306	Y		Repeat leakers ≤ 2 times in 12 months	SIP 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 6-1-301	Ringelmann No. 1 Limitation	Manual of Procedures, Volume I, Evaluation of Visible Emissions
BAAQMD Regulation 6-1-303	Ringelmann No. 2 Limitation	Manual of Procedures, Volume I, Evaluation of Visible Emissions
BAAQMD Regulation 6-1-310, 6-1-310.3	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	VOC emissions for tank degassing	Manual of Procedures, Volume IV, ST-7, Non-Methane Organic Carbon Sampling
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.

VIII. Test Methods

Table VIII
Test Methods

Applicable Requirement	Description of Requirement	Acceptable Test Methods
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
BAAQMD 9-1-304	Fuel Sulfur Content	Manual of Procedures, Volume III, Method 10, Determination of Sulfur in Fuel Oil
BAAQMD Regulation 9-7-307	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)

VIII. Test Methods

Table VIII
Test Methods

Applicable Requirement	Description of Requirement	Acceptable Test Methods
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(c)(3), 63.562(c)(4)	Combustion and recovery test	Subpart Y, 63.565(d)(1) through (10)

IX. PERMIT SHIELD

Non-applicable Requirements

Pursuant to District Regulations 2-6-233 and 2-6-409.12, the federally enforceable regulations and/or standards cited in the following table do not apply to the source or group of sources identified at the top of the table. Enforcement actions and litigation may not be initiated against the source or group of sources covered by this shield based on the regulatory and/or statutory provisions cited, as long as the reasons listed below remain valid for the source or group of sources covered by this shield.

Table IX A – 1
Permit Shield for Non-applicable Requirements

Citation	Title or Description (Reason not applicable)
	None

Subsumed Requirements

Pursuant to District Regulations 2-6-233.2 and 2-6-409.12, as of the date this permit is issued, the federally enforceable monitoring, recordkeeping, and reporting requirements cited in the following table for the source or group of sources identified at the top of the table are subsumed by the monitoring, recordkeeping, and reporting for more stringent requirements or by a "hybrid" monitoring scheme. The District has determined that compliance with the requirements listed below and elsewhere in this permit will assure compliance with the substantive requirements of the subsumed monitoring requirements. Enforcement actions and litigation may not be initiated against the source or group of sources covered by this shield based on the subsumed monitoring requirements cited.

Table IX B – 1
Permit Shield for Non-applicable Requirements

Citation	Title or Description (Reason not applicable)
	None

X. 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

X. 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:

X. Revision History

		- The names of the Responsible Officer and Facility Contact have been changed. - 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:

X. Revision History

		- 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 # 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. Revision History

August 26, 2015	Renewal	Including the following Minor Revisions: Title V Application 19756, S-73 Burner Replacement Title V Application 21193, S-91 Emergency Firewater Pump Title V Application 23223, S-30 Oil/Water Separator Title V Application 24412, S-73 Change in Conditions Title V Application 24632, A-3 Vapor Bladder Tank Title V Application 25914, S-30 Throughput Increase

XI. GLOSSARY

ACT
Federal Clean Air Act

AMP
Alternative Monitoring Plan (as allowed in NSPS and MACT)

APCO
Air Pollution Control Officer

API
American Petroleum Institute

ARB
Air Resources Board

BAAQMD
Bay Area Air Quality Management District

BACT
Best Available Control Technology

BARCT
Best Available Retrofit Control Technology

Basis
The underlying authority that allows the District to impose requirements.

Bubble
An emission limit imposed on a group of sources.

CAA
The federal Clean Air Act

CAAQS
California Ambient Air Quality Standards

CCR
California Code of Regulations

CAPCOA
California Air Pollution Control Officers Association

CEC
California Energy Commission

XI. Glossary

CEM
A "continuous emission monitor" is a monitoring device that provides a continuous direct measurement of some pollutant (e.g. NOx concentration) in an exhaust stream.

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.

CMS
Continuous monitoring system

CGA
Calibration Gas Audit

CO
Carbon Monoxide

CO2
Carbon Dioxide

CPMS
Continuous parametric monitoring system

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

dscf
Dry Standard Cubic Feet

dscm
Dry Standard Cubic Meter

E 6, E 9, E 12
Very large or very small number values are commonly expressed in a form called scientific notation, which consists of a decimal part multiplied by 10 raised to some power. For example, 4.53 E 6 equals (4.53) x (10^6) = (4.53) x (10 x 10 x 10 x 10 x 10 x 10) = 4,530,000.

XI. Glossary

Scientific notation is used to express large or small numbers without writing out long strings of zeros.

EFRT
An "external floating roof tank" minimizes VOC emissions with a roof with floats on the surface of the liquid, thus preventing the formation of a VOC-rich vapor space above the liquid surface as the level in the tank drops. If such a vapor space were allowed to form, it would be expelled when the tank was re-filled. On an EFRT, the floating roof is not enclosed by a second, fixed tank roof, and is thus described as an "external" roof.

EMP
Environmental Management Plan

EPA
The federal Environmental Protection Agency.

Excluded
Not subject to any District Regulations.

FAT
Field Accuracy Test

Federally Enforceable, FE
All limitations and conditions which are enforceable by the Administrator of the EPA including those requirements developed pursuant to 40 CFR Part 51, subpart I (NSR), Part 52.21 (PSD), Part 60, (NSPS), Part 61, (NESHAPs), Part 63 (HAP), and Part 72 (Permits Regulation, Acid Rain), and also including limitations and conditions contained in operating permits issued under an EPA-approved program that has been incorporated into the SIP.

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

FR
Federal Register

FRT
Floating Roof Tank (See EFRT and IFRT)

GDF
Gasoline Dispensing Facility

GLM
Ground Level Monitor

grains
1/7000 of a pound

XI. Glossary

Grandfathered source
A source that was not subject to District permit requirements at the time it was constructed, but was subsequently required to obtain a District permit to operate, and has never been modified since the permit requirement went into effect. Sources constructed prior to March 7, 1979 (when the District's new source review permit program went into effect) might be grandfathered sources. Source that were exempt from permit requirements at the time of construction, that subsequently lost their exemption due to a change in permit rules, might also be grandfathered sources.

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.

H2S
Hydrogen Sulfide

HC
Hydrocarbon

Hg
Mercury

HHV
Higher Heating Value. The quantity of heat evolved as determined by a calorimeter where the combustion products are cooled to 60F and all water vapor is condensed to liquid.

IFRT
An "internal floating roof tank" minimizes VOC emissions with a roof with floats on the surface of the liquid, thus preventing the formation of a VOC-rich vapor space above the liquid surface as the level in the tank drops. If such a vapor space were allowed to form, it would be expelled when the tank was re-filled. On an IFRT, the floating roof is enclosed by a second, fixed tank roof, and thus is described as an "internal" roof.

LFSO
Low sulfur fuel oil

LHV
Lower Heating Value. Similar to the higher heating value (see HHV) except that the water produced by the combustion is not condensed but retained as vapor at 60F.

Lighter
"Lightering" is a transfer operation during which liquid is pumped from an ocean-going tanker vessel to a smaller vessel such as a barge. Like any liquid transfer operation, lightering of organic liquids produces organic vapor emissions.

XI. Glossary

Long ton
2200 pounds

LPG
Liquid Petroleum Gas

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.

MM
Million

Mo Gas
Motor gasoline

MOP
The District's Manual of Procedures.

MSDS
Material Safety Data Sheet

MTBE
methyl tertiary-butyl ether

NA
Not Applicable

NAAQS
National Ambient Air Quality Standards

NESHAPs
National Emission Standards for Hazardous Air Pollutants. Contained in 40 CFR Part 61.

NMHC
Non-methane Hydrocarbons

NMOC
Non-methane Organic Compounds

XI. Glossary

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

O2
The chemical name for naturally-occurring oxygen gas.

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

PM2.5
Particulate matter with aerodynamic equivalent diameter of less than or equal to 2.5 microns

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.

XI. Glossary

RAA
Relative Accuracy Audit

RACT
Reasonably Available Control Technology

RATA
Relative Accuracy Test Audit

Regulated Organic Liquid
"Regulated organic liquids" are those liquids which require permits, or which are subject to some regulation, when processed at a liquid-handling operation. For example, for refinery marine terminals, regulated organic liquids are defined as "organic liquids" in Regulation 8, Rule 44.

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.

SOCMI
Synthetic Organic Chemical Manufacturing Industry

SO2
Sulfur dioxide

THC
Total Hydrocarbons (NMHC + Methane)

therm
100,000 British Thermal Units

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

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

TRMP
Toxic Risk Management Policy

TRS
"Total reduced sulfur" is a measure of the amount of sulfur-containing compounds in a gas stream, typically a fuel gas stream, including, but not limited to, hydrogen sulfide. The TRS

XI. Glossary

content of a fuel gas determines the concentration of SO2 that will be present in the combusted fuel gas, since sulfur compounds are converted to SO2 by the combustion process.

TSP
Total Suspended Particulate

TVP
True Vapor Pressure

VGO
Vacuum Gas Oil

VOC
Volatile Organic Compounds

VR
Vapor Recovery

WWT
Wastewater Treatment

Units of Measure:

bbl	=	barrel of liquid (42 gallons)
bhp	=	brake-horsepower
btu	=	British Thermal Unit
BPD	=	barrels per day
BPH	=	barrels per hour
BPY	=	barrels per year
BTU or btu	=	British Thermal Unit
C	=	degrees Celsius
dscf	=	dry standard cubic feet
dscm	=	dry standard cubic meters
F	=	degrees Fahrenheit
f^3	=	cubic feet
g	=	grams
gr	=	grains
gal	=	gallon
gpm	=	gallons per minute
hp	=	horsepower
hr	=	hour
lb	=	pound
in	=	inches

XI. Glossary

k or K	=	thousand
max	=	maximum
m^2	=	square meter
min	=	minute
Mg	=	mega-gram, one thousand grams
µg	=	micro-gram, one millionth of a gram
ml	=	milliliter
MM	=	million
mm	=	millimeter
MMbtu	=	million BTU
mmBtu	=	million BTU
mmbtu	=	million BTU
MMBTU	=	million BTU
mm Hg	=	millimeters of Mercury (pressure)
MW	=	megawatts
ppmv	=	parts per million, by volume
ppmvd	=	parts per million, by volume, dry basis
ppmw	=	parts per million, by weight
psia	=	pounds per square inch, absolute
psig	=	pounds per square inch, gauge
scf	=	standard cubic feet
scfm	=	standard cubic feet per minute
TPD	=	tons per day
TPY	=	tons per year
tpy	=	tons per year
yr	=	year

Symbols:

<	=	less than
>	=	greater than
≤	=	less than or equal to
≥	=	more than or equal to