

Bay Area Air Quality Management District

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

Final Proposed

MAJOR FACILITY REVIEW PERMIT

Issued To:

NuStar Valero Logistics Operations, L.P.
Facility #B5574

Facility Address:

3400 East Second Street
Benicia, CA 94510-1097

Mailing Address:

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Responsible Official

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Type of Facility: Special Warehousing and Storage **BAAQMD Engineering Division Contact:**

Primary SIC: 4226 Thu Bui

Product: Special Warehousing and Storage

Type of Facility: Petroleum Refining **BAAQMD Engineering Division Contact:**

Primary SIC: 2911 Arthur P. Valla

ISSUED BY THE BAY AREA AIR QUALITY MANAGEMENT DISTRICT

Signed by Peter Hess for Jack P. Broadbent

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

October 4, 2006

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 ~~07/19/2006~~5/2/01);

SIP Regulation 1 - General Provisions and Definitions

(as approved by EPA on ~~06/28/1999~~through 10/7/98);

BAAQMD Regulation 2, Rule 1 - Permits, General Requirements

(as amended by the District Board on ~~07/19/2006~~8/1/01);

SIP Regulation 2, Rule 1 - Permits, General Requirements

(as approved by EPA on ~~01/26/1999~~through 11/1/89);

BAAQMD Regulation 2, Rule 2 - Permits, New Source Review

(as amended by the District Board on ~~06/15/2005~~5/17/00);

SIP Regulation 2, Rule 2 - Permits, New Source Review and Prevention of Significant Deterioration

(as approved by EPA on ~~01/26/1999~~through 6/15/94);

BAAQMD Regulation 2, Rule 4 - Permits, Emissions Banking

(as amended by the District Board on ~~12/21/2004~~5/17/00);

SIP Regulation 2, Rule 4 - Permits, Emissions Banking

(as approved by EPA on ~~01/26/1999~~through 6/15/94)

BAAQMD Regulation 2, Rule 5 – New Source Review of Toxic Air Contaminants

(as adopted by the District Board on 6/15/05);

BAAQMD Regulation 2, Rule 6 - Permits, Major Facility Review

(as amended by the District Board on ~~04/16/2003~~5/2/01) And

SIP Regulation 2, Rule 6 – Permits, Major Facility Review

(as approved by EPA on 06/23/1995)

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

1. This Major Facility Review Permit was issued on ~~[date of issuance]December 1, 2003,~~ and expires on ~~[date of expiration]November 30, 2008.~~ The permit holder shall submit a complete application for renewal of this Major Facility Review Permit no later than ~~[based on date of issuance]May 31, 2008~~ and no earlier than ~~[based on date of issuance]November 30, 2007.~~ **If a complete application for renewal has not been submitted in accordance with this deadline, the facility may not operate after [based on date of issuance]November 30, 2008.** If the permit renewal has not been issued by [based on date of issuance], but a complete application for renewal has been submitted in accordance with the above deadlines, the existing permit will continue in force until the District takes final action on the renewal application. (Regulation 2-6-307, 404.2, ~~407~~ & 409.6; MOP Volume II, Part 3, §4.2)
2. The permit holder shall comply with all conditions of this permit. The permit consists of this document and all appendices. Any non-compliance with the terms and conditions of this permit will constitute a violation of the law and will be grounds for enforcement action; permit termination, revocation and re-issuance, or modification; or denial of a permit renewal application. (Regulation 2-6-307; MOP Volume II, Part 3, §4.11)
3. In the event any enforcement action is brought as a result of a violation of any term or

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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 which the permittee considers to contain proprietary or trade secret information shall be prominently designated as such. Copies of any such proprietary or trade secret information which are provided to the District shall be maintained by the District in a locked confidential file, provided, however, that requests from the public for the review of any such information shall be handled in accordance with the District's procedures set forth in Section 11 of the District's Administrative Code. (Regulation 2-6-419; MOP Volume II, Part 3, §4.11)
9. Proprietary or trade secret information provided to EPA will be subject to the requirements of 40 CFR Part 2, Subpart B - Public Information, Confidentiality of Business Information. (40 CFR Part 2)
10. The emissions inventory submitted with the application for this Major Facility Review Permit is an estimate of actual emissions or the potential to emit for the time period stated and is included only as one means of determining applicable requirements for emission sources. It does not establish, or constitute a basis for establishing, any new emission limitations. (MOP Volume II, Part 3, §4.11)
11. The responsible official shall certify all documents submitted by the facility pursuant to the major facility review permit. The certification shall state that based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete. The certifications shall be signed by a responsible official for the facility. (Regulation 2, Rule 6)
12. The permit holder is responsible for compliance, and certification of compliance, with all conditions of the permit, regardless whether it acts through employees, agents, contractors, or subcontractors. (Regulation 2-6-307).

C. Requirement to Pay Fees

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

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D. Inspection and Entry

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

E. Records

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

F. Monitoring Reports

Reports of all required monitoring must be submitted to the District at least once every six months, except where an applicable requirement specifies more frequent reporting. The first reporting period for this permit shall be ~~[date of issuance]December 1, 2003,~~ to ~~[June 30th or December 31st]May 31, 2004.~~ ~~The second reporting period for this permit shall be June 1, 2004, to June 30, 2004.~~ ~~The report shall be submitted by [July 31st or January 31st].~~ Subsequent reports shall be for the following reporting periods: ~~July 1st through December 31st and January 1st through June 30th and July 1st through December 31st, and.~~ All reports are due on the last day of the month after the end of the reporting period. All instances of non-compliance shall be clearly identified in these reports. The reports shall be certified by the responsible official as true, accurate, and complete. In addition, all instances of non-compliance with the permit shall be reported in writing to the District's Compliance and Enforcement Division within 10 calendar days of the discovery of the incident. Within 30 calendar days of the discovery of any incident of non-compliance, the facility shall submit a written report including the probable cause of non-compliance and any corrective or preventative actions. The reports shall be sent to the following address:

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

(Regulation ~~2-6-409.18,~~ 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 ~~first~~ certification period ~~shall will~~ be ~~[date of issuance]December 1, 2003,~~ to ~~December 31stNovember 30, 2004.~~ ~~The second certification period shall be December 1, 2004, to December 31, 2004.~~ Subsequent certification periods will be January 1st to December 31st. All compliance certifications are due on the last day of the month after the end of the certification period. 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-

I. Standard Conditions

generated Compliance Certification forms. The certification should be directed to the District's Compliance and Enforcement Division at the address above, and a copy of the certification shall be sent to the Environmental Protection Agency at the following address:

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. In Table II-A, for each source with a capacity identified as a firm limit, the maximum capacity for each source as shown in Table II-A is the maximum allowable capacity. Exceedance of the maximum allowable capacity for any source is a violation of Regulation 2, Rule 1, Section 301. (Regulation 2-1-301)
- ~~2.~~ 2. ——— In Table II-A, for each source with a capacity identified as a grandfathered limit, all capacities as shown in Table II-A ~~is~~ 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, The facility must report any exceedance of these a grandfathered limits is not subject to following the procedures in Section I.F reporting requirements. This reporting requirement is intended to

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~~facilitate a determination of whether a modification has occurred as defined in Regulation 2-1-234.3. The throughput limits for grandfathered sources are for reporting purposes only.~~ Exceedance of this 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

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 pursuant to 2-1-301. Throughput limits for grandfathered sources function as reporting thresholds as described in Standard Condition J.

S-#	Description	Make or Type	Model	Capacity	Throughput
S-1	Crude Oil Storage Tank TK- 460 1A	External Floating Roof	N/A	3,419 kgal	6.235 MMBBL/year combined total for S-1, S-2, S-4 and S-23 (Condition # 21738, Part II.14) (New Source Review)
S-2	Crude Oil Storage Tank TK- 460 1B	External Floating Roof	N/A	3,419 kgal	6.235 MMBBL/year combined total for S-1, S-2, S-4 and S-23 (Condition # 21738, Part II.14) (New Source Review)
S-4	Crude Oil Storage Tank TK- 46 10A	External Floating Roof	N/A	1,382 kgal	6.235 MMBBL/year combined total for S-1, S-2, S-4 and S-23 (Condition # 21738, Part II.14) (New Source Review)
S-23	Crude Oil Storage Tank TK- 46 10B	External Floating Roof	N/A	1,382 kgal	6.235 MMBBL/year combined total for S-1, S-2, S-4 and S-23 (Condition # 21738, Part II.14) (New Source Review)
S-57	Crude Oil Storage Tank TK-1701 GOLD, Welded, Pontoon	External Floating Roof	N/A	6300 kgal	171.5 kbbbl/day [annual daily average] or 62.6 MMBBL/year [combined limit for Facility B5574 sources S-57 through S-62 and Facility B2626 sources S-1047, 1048] (Condition # 20820, part 32) (New Source Review) 51.65 MMBBL/year combined total for S-57, 58, 59, 60, 61 and 62 (based on combined total of 141.5 kBBBL/day) (Grandfathered Source)
S-58	Crude Oil Storage Tank TK-1702 GOLD, Welded, Pontoon	External Floating Roof	N/A	18900 kgal	171.5 kbbbl/day [annual daily average] or 62.6 MMBBL/year [combined limit for Facility B5574 sources S-57 through S-62 and Facility B2626 sources S-1047, 1048] (Condition # 20820, part 32) (New Source Review) 51.65 MMBBL/year combined total for S-57, 58, 59, 60, 61 and 62 (based on combined total of

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 pursuant to 2-1-301. Throughput limits for grandfathered sources function as reporting thresholds as described in Standard Condition J.

S-#	Description	Make or Type	Model	Capacity	Throughput
					141.5 kbbl/day (Grandfathered Source)
S-59	Crude Oil Storage Tank TK-1703 GOLD, Welded, Pontoon	External Floating Roof	N/A	18900 kgal	171.5 kbbl/day [annual daily average] or 62.6 MMBBL/year [combined limit for Facility B5574 sources S-57 through S-62 and Facility B2626 sources S- 1047, 1048] (Condition # 20820, part 32) (New Source Review) 51.65 MMBBL/year combined total for S-57, 58, 59, 60, 61 and 62 (based on combined total of 141.5 kbbl/day) (Grandfathered Source)
S-60	Bunker C Fuel Oil and Crude Oil Storage Tank TK-1704 GOLD, Welded, Pontoon	External Floating Roof	N/A	6300 kgal	171.5 kbbl/day [annual daily average] or 62.6 MMBBL/year [combined limit for Facility B5574 sources S-57 through S-62 and Facility B2626 sources S- 1047, 1048] (Condition # 20820, part 32) (New Source Revi 51.65 MMBBL/year combined total for S-57, 58, 59, 60, 61 and 62 (based on combined total of 141.5 kbbl/day) (Grandfathered Source)
S-61	Crude Oil Storage Tank TK-1705 GOLD, Welded, Pontoon	External Floating Roof	N/A	18900 kgal	171.5 kbbl/day [annual daily average] or 62.6 MMBBL/year [combined limit for Facility B5574 sources S-57 through S-62 and Facility B2626 sources S- 1047, 1048] (Condition # 20820, part 32) 51.65 MMBBL/year combined total for S-57, 58, 59, 60, 61 and 62 (based on combined total of 141.5 kbbl/day) (Grandfathered Source)
S-62	Crude Oil Storage Tank TK-1706 GOLD, Welded, Pontoon	External Floating Roof	N/A	18900 kgal	171.5 kbbl/day [annual daily average] or 62.6 MMBBL/year [combined limit for Facility

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 pursuant to 2-1-301. Throughput limits for grandfathered sources function as reporting thresholds as described in Standard Condition J.

S-#	Description	Make or Type	Model	Capacity	Throughput
					<u>B5574 sources S-57 through S-62 and Facility B2626 sources S-1047, 10481 (Condition #20820, part 32)</u> <u>51.65 MMBBL/year combined total for S-57, 58, 59, 60, 61 and 62 (based on combined total of 141.5 kBBL/day)</u> (Grandfathered Source)
S-67	Gas Oil/ <u>Waste Oil</u> Storage Tank TK-1715 GREEN, Welded, Pontoon	External Floating Roof	N/A	9450 kgal	8.03 MMBBL/year combined for S-67, S-68 and S-72 (based on combined total of 22.0 kBBL/day) (Grandfathered Source)
S-68	Gas Oil Storage Tank TK-1716 GREEN, Welded, Pontoon	External Floating Roof	N/A	8820 kgal	8.03 MMBBL/year combined for S-67, S-68 and S-72 (based on combined total of 22.0 kBBL/day) (Grandfathered Source)
S-72	Gas Oil Storage Tank TK-1720 GREEN, Welded, Pontoon	External Floating Roof	N/A	15,204 kgal	8.03 MMBBL/year combined for S-67, S-68 and S-72 (based on combined total of 22.0 kBBL/day) (Grandfathered Source)
S-74	Alkylate/ <u>Gasoline</u> Storage Tank TK-1734 GREEN, Welded, Pontoon	External Floating Roof	N/A	7980 kgal	<u>62.8 MMBBL/year [combined limit for Facility B5574 source S-74 and Facility B2626 sources S-63, 73, 75, 76, 78, 97 and 163]</u> <u>(based on combined total of 172.1 kBBL/day)</u> <u>14.8 MMBBL/year (based on 40.6 kBBL/day)</u> (Grandfathered Source)

Table II B - Exempt Sources

Each of the following sources has been issued an exemption pursuant to the provisions of BAAQMD Regulation 2, Rule 1.

II. Equipment

S-#	Description	Make or Type	Model	Capacity	Throughput
<u>S-68</u>	<u>Gas Oil Storage Tank TK-1716 GREEN, Welded, Pontoon</u>	<u>External Floating Roof</u>	<u>N/A</u>	<u>8820 kgal</u>	<u>Exempt, Initial Boiling Point > 302F Regulation 2-1-123.3.2</u>
S-70	Resid Coker Feed Tank TK-1718 ALUMINUM	Vertical Fixed Roof	N/A	5250 kgal	Exempt, Initial Boiling Point \geq <302F Regulation 2-1-123.3.2
S-71	Resid Coker Feed Tank TK-1719 ALUMINUM	Vertical Fixed Roof	N/A	15,708 kgal	Exempt, Initial Boiling Point \geq <302F Regulation 2-1-123.3.2
<u>S-72</u>	<u>Gas Oil Storage Tank TK-1720 GREEN, Welded, Pontoon</u>	<u>External Floating Roof</u>	<u>N/A</u>	<u>15,204 kgal</u>	<u>Exempt, Initial Boiling Point > 302F Regulation 2-1-123.3.2</u>

Table II C - Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
40	Vapor Recovery Compressor on Coker Feed Tanks	70, 71	None (exempt tanks)	None	None
41	Vapor Recovery Compressor on Coker Feed Tanks	70, 71	None (exempt tanks)	None	None

A-40/41 are shown here for thoroughness. Only S-70 and S-71 are part of facility B5574. A-40 and A-41 are owned by facility B2626, and also abate tanks in that facility.

III. GENERALLY APPLICABLE REQUIREMENTS

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

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

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

The full language of 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](http://yosemite.epa.gov/r9/r9sips.nsf/Agency?ReadForm&count=500&state=California&cat=Bay+Area+Air+Quality+Management+District-Agency-Wide+Provisions) ~~The address is included at the end of this permit.~~

NOTE:

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

**Table III
 Generally Applicable Requirements
 (Not Requiring Routine Monitoring)**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)
BAAQMD · Regulation 1	General Provisions and Definitions (07/19/200605/02/2004)	N
SIP · Regulation 1	General Provisions and Definitions (SIP Approved) (06/28/1999)	Y
BAAQMD · Regulation 2 · Rule 1	Permits, General Requirements (07/19/200608/01/2004)	N
SIP Regulation 2 · Rule 1	Permits, General Requirements (SIP Approved) (01/26/1999)	Y

III. Generally Applicable Requirements

**Table III
 Generally Applicable Requirements
 (Not Requiring Routine Monitoring)**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)
2-1-429	Federal Emissions Statement	<u>N</u>
BAAQMD · Regulation 2 · Rule 2	Permits, New Source Review (06/15/200505/17/2000)	N
SIP Regulation 2 · Rule 2	Permits, New Source Review (01/26/1999)	Y
BAAQMD · Regulation 2 · Rule 3	Permits, Power Plants (12/19/1979)	Y
BAAQMD · Regulation 2 · Rule 4	Permits, Emissions Banking (12/21/200405/17/2000)	N
SIP Regulation 2 · Rule 4	Permits, Emissions Banking (01/26/1999)	Y
BAAQMD · Regulation 2 · Rule 5	New Source Review of Toxic Air Contaminants (06/15/2005)	N
BAAQMD · Regulation 2 · Rule 6	Permits, Major Facility Review (04/16/2003)	N
SIP Regulation 2 · Rule 6	Permits, Major Facility Review (06/23/199511/03/1993 and 02/01/1995)	Y
BAAQMD · Regulation 2 · Rule 9	Permits, Interchangeable Emission Reduction Credits (06/15/200504/07/1999)	N
BAAQMD · Regulation 3	Fees (06/6/200707/02/2003)	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 (03/06/2002)	N
SIP · Regulation 5	Open Burning (09/04/1998)	Y
BAAQMD · Regulation 6 · Rule 1	Particulate Matter, General Provisions and Visible Emissions (12/05/200712/19/1990)	Y <u>N</u>
SIP · Regulation 6 ·	Particulate Matter and Visible Emissions (09/04/1998)	<u>Y</u>
BAAQMD · Regulation 7	Odororous 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 (07/20/200506/15/1994)	N <u>Y</u>
SIP Regulation 8 · Rule 2	Organic Compounds, Miscellaneous Operations (03/22/1995)	<u>Y</u>
BAAQMD Regulation 8 · Rule 3	Organic Compounds - Architectural Coatings (11/21/2001)	Y
BAAQMD Regulation 8 · Rule 4	Organic compounds - General Solvent and Surface Coating Operations (10/16/2002)	Y
BAAQMD · Regulation 8 · Rule 9	Organic Compounds, Vacuum Producing Systems (07/20/1983)	Y
BAAQMD · Regulation 8 · Rule 28-302	Pressure Relief Devices at New or Modified Sources at Petroleum Refineries (12/21/200512/17/1997)	N
SIP Regulation 8 · Rule 28-302	Pressure Relief Devices at New or Modified Sources at Petroleum Refineries (05/24/2004)	<u>Y</u>
BAAQMD · Regulation 8 · Rule 40	Organic Compounds, Contaminated Soil and UST Removal (06/15/200512/15/1999)	N <u>Y</u>
SIP Regulation 8 · Rule 40	Organic Compounds, Contaminated Soil and UST Removal (04/19/2001)	<u>Y</u>

III. Generally Applicable Requirements

Table III
Generally Applicable Requirements
(Not Requiring Routine Monitoring)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)
BAAQMD Regulation 8.5-Rule 49	Organic Compounds - Aerosol Paint Products (12/20/1995)	N
SIP Regulation 8.5-Rule 49	Organic Compounds - Aerosol Paint Products (03/22/1995)	Y
BAAQMD Regulation 8.5-Rule 51	Organic Compounds - Adhesive and Sealant Products (07/17/2002)	N
SIP - Regulation 8.5-Rule 51	Organic Compounds - Adhesive and Sealant Products (02/26/2002)	Y
BAAQMD - Regulation 10-Subpart A	NSPS Incorporation by Reference, General Provisions (02/16/2000)	Y
BAAQMD - Regulation 11 - Rule 2	Hazardous Pollutants, Asbestos Demolition and Renovation. (10/07/1998)	N
BAAQMD Regulation 12.5-Rule 4	Miscellaneous Standards of Performance - Sandblasting (07/11/1990)	N
SIP Regulation 12.5-Rule 4	Miscellaneous Standards of Performance - Sandblasting (09/02/1981)	Y
NESHAPS Title 40 Part 61 Subpart M	NESHAPS, Asbestos (07/20/200406/19/1995)	Y
Title 40 Part 68	Chemical Accident Prevention Provisions (04/09/200401/31/1994)	Y
Title 40 Part 82 Subpart F	CFC Recycling and Emissions Reduction (04/13/200505/14/1993)	Y
Title 40 Part 82 Subpart F 82.156	Recycling and Emissions Reductions - Required Practices (08/08/1995)	Y
Title 40 Part 82 Subpart F 82.161	Recycling and Emissions Reductions - Technician Certification (08/19/1994)	Y
Title 40 Part 82 Subpart F 82.166	Recycling and Emissions Reductions - Reporting and Recordkeeping Provisions (08/08/1995)	Y
Title 40 Part 82 Subpart H 82.270(b)	Prohibitions, Halon (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>. ~~included at the end of this permit.~~ All other text may be found in the regulations themselves.

**Table IV – General
 Generally Applicable Requirements
 which Require Routine Monitoring**

Applicable Requirement	Regulation Title or Description of	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 1	General Provisions and Definitions (07/19/2006 <u>05/02/2001</u>)		
1-301	Public Nuisance Prohibition	N	
1-510	Area Monitoring	Y	
1-530	Area Monitoring Downtime	Y	
1-540	Area Monitoring Data Examination	Y	
1-542	Area Concentration Excesses	Y	
1-543	Record Maintenance for Two Years	Y	
1-544	Monthly Summary	Y	
B	General Requirements (7/19/2006 <u>8/1/01</u>)		
AAQMD inc Regulation 2, Rule 1			
2	Federal Emissions Statement		
1-429			
BAAQMD Regulation 8, Rule 5	<u>Organic Compounds, Storage of Organic Liquids (10/18/2006)</u>		

IV. Source-Specific Applicable Requirements

**Table IV – General
 Generally Applicable Requirements
 which Require Routine Monitoring**

Applicable Requirement	Regulation Title or Description of	Federally Enforceable (Y/N)	Future Effective Date
<u>8-5-117</u>	<u>Limited Exemption, Low Vapor Pressure</u>	<u>N</u>	
<u>8-5-118</u>	<u>Limited Exemption, Gas Tight Requirement for approved emission control system in 8-5-306.2 does not apply if facility is subject to BAAQMD 8-18</u>	<u>N</u>	
<u>8-5-119</u>	<u>Limited Exemption, Repair Period for Enhanced Monitoring Program (Optional)</u>	<u>N</u>	
<u>8-5-328</u>	<u>Tank Degassing Requirements</u>	<u>N</u>	
<u>8-5-328.1</u>	<u>Tank Degassing Requirements: Tanks > 75 cubic meters: Use 90% abatement device</u>	<u>N</u>	
<u>8-5-331</u>	<u>Tank Cleaning Requirement, 90% Abatement Efficiency if abatement device used</u>	<u>N</u>	
<u>8-5-332</u>	<u>Sludge Handling Requirements (applies to sludge removed from any tank that was subject BAAQMD 8-5 at any time since it was last put in service)</u>	<u>N</u>	
<u>8-5-404</u>	<u>Inspection, Abatement Efficiency Determination, and Source Test Reports</u>	<u>N</u>	
<u>8-5-411</u>	<u>Enhanced Monitoring Program (Optional)</u>	<u>N</u>	
<u>8-5-411.1</u>	<u>Enhanced Monitoring Program (Optional); Notify BAAQMD of tanks selected for enhanced monitoring program</u>	<u>N</u>	
<u>8-5-411.2</u>	<u>Enhanced Monitoring Program (Optional); Criteria for operating enhanced monitoring program</u>	<u>N</u>	
<u>8-5-501</u>	<u>Records</u>	<u>N</u>	
<u>8-5-501.1</u>	<u>Records; Type and amounts of liquid, type of blanket gas, TVP- Retain 24 months</u>	<u>Y</u>	
<u>8-5-501.3</u>	<u>Records; Retention</u>	<u>N</u>	
<u>8-5-501.4</u>	<u>Records; New pressure vacuum valve setpoints</u>	<u>N</u>	
<u>8-5-502</u>	<u>Source Test Requirements and exemption for sources vented to fuel gas</u>	<u>N</u>	
<u>8-5-502.2</u>	<u>Source Test Requirements: Tank degassing and cleaning abatement devices</u>	<u>N</u>	
<u>8-5-602</u>	<u>Analysis of Samples, True Vapor Pressure</u>	<u>Y</u>	
<u>8-5-603</u>	<u>Determination of Abatement Efficiency</u>	<u>N</u>	
<u>8-5-604</u>	<u>Determination of Applicability Based on True Vapor Pressure</u>	<u>Y</u>	
<u>BAAQMD SIP Regulation 8, Rule 5</u>	<u>Storage of Organic Liquids (06/05/200311/27/2002)</u>		
<u>8-5-117</u>	<u>Exemption, Low Vapor Pressure</u>	<u>Y</u>	
<u>8-5-328</u>	<u>Tank Degassing Requirements</u>	<u>Y</u>	
<u>8-5-328.1</u>	<u>Tank Degassing Requirements; Tanks > 75 cubic meters</u>	<u>Y</u>	
<u>8-5-328.1.2</u>	<u>Tank Degassing Requirements; Tanks > 75 cubic meters, Approved Emission Control System</u>	<u>Y</u>	
<u>8-5-328.2</u>	<u>Tank Degassing Requirements; Ozone Excess Day Prohibition</u>	<u>Y</u>	
<u>8-5-404</u>	<u>Certification</u>	<u>Y</u>	
<u>8-5-501</u>	<u>Records</u>	<u>Y</u>	

IV. Source-Specific Applicable Requirements

**Table IV – General
 Generally Applicable Requirements
 which Require Routine Monitoring**

Applicable Requirement	Regulation Title or Description of	Federally Enforceable (Y/N)	Future Effective Date
8-5-502	Tank degassing annual source test requirement	Y	
8-5-602	Analysis of Samples, True Vapor Pressure	Y	
8-5-603	Determination of emissions	Y	
8-5-603.2	Source tests for tank degassing equipment	Y	
8-5-604	Determination of applicability	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	
BAAQMD · Regulation 10 ·	<u>Standards of Performance for New Sources incorporated by reference (02/16/2000)</u>		
10-1	Subpart A – General Provisions	Y	
BAAQMD · Regulation 11, Rule 12	NESHAPS Incorporation by Reference, 40 CFR 61 Subpart FF Benzene Waste <u>Operations NESHAP</u> (01/05/1994)	Y	
BAAQMD Manual of Procedures, Volume VI	<u>Air Monitoring Procedures (3/21/2006/7/20/94)</u>	N	
SIP Manual of Procedures, Volume VI	<u>Air Monitoring Procedures (5/3/84)</u>	Y	
NSPS Title 40 Part CFR 60 Subpart A	General Provisions (<u>01/18/2008/03/16/1994</u>)		
40 CFR-60.1	Applicability	Y	
40 CFR-60.2	Definitions	Y	
40 CFR-60.3	Units and Abbreviations	Y	
40 CFR-60.4	Address	Y	
40 CFR-60.5	Determination of Construction or Modification	Y	
40 CFR-60.6	Review of Plans	Y	
40 CFR-60.7(a)	Notification and Recordkeeping	Y	
40 CFR-60.7(b)	Maintain Records-CEMs	Y	
40 CFR-60.8	Performance Tests	Y	
40 CFR-60.9	Availability of Information	Y	
40 CFR-60.11	Compliance with Standards and Maintenance Requirements	Y	
40 CFR-60.12	Circumvention	Y	
40 CFR-60.13	Monitoring Requirements	Y	

IV. Source-Specific Applicable Requirements

**Table IV – General
 Generally Applicable Requirements
 which Require Routine Monitoring**

Applicable Requirement	Regulation Title or Description of	Federally Enforceable (Y/N)	Future Effective Date
40 CFR 60.14	Modification	Y	
40 CFR 60.15	Reconstruction	Y	
40 CFR 60.17	Incorporated by Reference	Y	
40 CFR 60.19	General Notification and Reporting Requirements	Y	
NESHAPS Title 40 Part CFR 61 Subpart A	NESHAPS, General Provisions (05/16/2007<u>03/16/1994</u>)		
40 CFR 61.01	Lists of Pollutants and Applicability of Part 61	Y	
40 CFR 61.02	Definitions	Y	
40 CFR 61.03	Units and abbreviations	Y	
40 CFR 61.04	Address	Y	
40 CFR 61.05	Prohibited Activities	Y	
40 CFR 61.06	Determination of Construction or Modification	Y	
40 CFR 61.07	Application for Approval of Construction or Modification	Y	
40 CFR 61.08	Approval of construction or modification	Y	
40 CFR 61.09	Notification of startup	Y	
40 CFR 61.10	Source reporting and waiver request	Y	
40 CFR 61.12	Compliance with Standards and Maintenance Requirements	Y	
40 CFR 61.13	Emission Tests and Waiver of Emission Tests	Y	
40 CFR 61.14	Monitoring requirements	Y	
40 CFR 61.15	Modification	Y	
61.16	<u>Availability of Information</u>	<u>Y</u>	
61.17	<u>State Authority</u>	<u>Y</u>	
40 CFR 61.18	Incorporation by reference	Y	
40 CFR 61.19	Circumvention	Y	
NESHAPS Title 40 CFR Part 61 Subpart FF	NESHAPS, Benzene Waste Operations (12/04/2003<u>11/12/2002</u>)		
40 CFR 61.340(a)	Applicability: Chemical Manufacturing, Coke by-product recovery, petroleum refineries	Y	
40 CFR 61.340(c)	Applicability: Exempt Waste	Y	
61.340(d)	<u>Exemption for gaseous streams vented to fuel gas system</u>	<u>Y</u>	
40 CFR 61.341	Definitions	Y	
40 CFR 61.342	Standards: General	Y	
61.342(a)	<u>Standards: General; Requirements for calculating total annual benzene quantity (TAB) from facility waste</u>	<u>Y</u>	
40 CFR 61.342(b)	Standards: General; <u>Compliance for facilities Facility</u> with TAB > 10Mg/year <u>in compliance by 4/7/93</u>	Y	
40 CFR 61.342(a)	<u>Requirements for facilities < 10 tons benzene/year</u>	<u>Y</u>	

IV. Source-Specific Applicable Requirements

**Table IV – General
 Generally Applicable Requirements
 which Require Routine Monitoring**

Applicable Requirement	Regulation Title or Description of	Federally Enforceable (Y/N)	Future Effective Date
40 CFR 61.342(c)(1)	<u>Requirements for treating non-aqueous wastes (less than 10% water) for compliance with 61.342(e) compliance option. Standards: General; Treat benzene-containing waste streams in accordance with 61.342(e)(1)(i), 61.342(e)(1)(ii) and 61.342(e)(1)(iii)</u>	Y	
40 CFR 61.342(e)(1)(i)	Standards: General; Remove or destroy benzene in accordance with	Y	
40 CFR 61.342(e)(1)(ii)	Standards: General; Comply with 61.343 through 61.347 for treatment units operated in accordance with 61.342(e)(1)(i)	Y	
40 CFR 61.342(c)(1)(iii)	<u>Requirements for treating non-aqueous wastes (less than 10% water) for compliance with 61.342(e) compliance option; Comply with 61.343 through 61.347 for waste management units used for wastes that will be recycled to the process or process feed tank. Standards: General; Comply with 61.343 through 61.347 for treatment units for recycled wastes. Recycled wastes no longer subject to 61.342(e)</u>	Y	
40 CFR 61.342(e)	Standards: General; <u>Compliance option – Treat to 6 or 6BQ Option Alternative to 61.342(e) and 61.342(d)</u>	Y	
40 CFR 61.342(e)(1)	<u>Requirements for treating non-aqueous wastes (less than 10% water) for compliance with 61.342(e) compliance option – comply with 61.342(c)(1) Standards: General; Treat waste with a flow-weighted annual average water content of less than 10% per 61.342(c)(1)</u>	Y	
40 CFR 61.342(e)(2)	Standards: General; Treatment of waste with a flow-weighted annual average water content of 10% or more by volume.	Y	
40 CFR 61.342(e)(2)(i)	<u>Requirements for treating aqueous wastes (greater than 10% water) for compliance with 61.342(e) compliance option; Standards: General; [Uncontrolled] 61.342(e)(2) Waste shall not contain more than 6.0 Mg/yr benzene.</u>	Y	
40 CFR 61.342(e)(2)(ii)	Standards: General; Determine <u>61.342(e)(2) benzene quality per benzene quantity in each uncontrolled aqueous waste stream per 61.355(k)</u>	Y	
61.342(g)	Compliance <u>determined by review using review</u> of facility records, results of tests and inspections	Y	
40 CFR 61.345(a)	Standards: Containers	Y	
40 CFR 61.345(a)(1)	Standards: Containers--Covers	Y	
40 CFR 61.345(a)(1)(ii)	Standards: Containers--Openings	Y	
40 CFR 61.345(a)(2)	Standards: Containers--Waste Transfer	Y	
40 CFR 61.345(b)	Standards: Containers--Quarterly inspection	Y	
40 CFR 61.345(c)	Standards: Containers--Repairs	Y	
61.346(b)	Alternate compliance provisions for Individual Drain Systems	Y	

IV. Source-Specific Applicable Requirements

**Table IV – General
 Generally Applicable Requirements
 which Require Routine Monitoring**

Applicable Requirement	Regulation Title or Description of	Federally Enforceable (Y/N)	Future Effective Date
61.346(b)(1)	Water seals on drains	Y	
61.346(b)(2)	Cover and vent pipe	Y	
61.346(b)(2)(i)	Tight seals on junction boxes	Y	
61.346(b)(2)(ii)	Control of emissions from junction box vent pipe	Y	
61.346(b)(2)(ii)(A)	Prevention of flow of vapors from junction box vent pipe	Y	
61.346(b)(3)	No cracks on exposed sewer lines	Y	
61.346(b)(4)	Equipment Inspections	Y	
61.346(b)(4)(i)	Monitor water seals on drains quarterly	Y	
61.346(b)(4)(iii)	Monitor seals on junction boxes quarterly	Y	
61.346(b)(4)(iv)	Monitor for cracks on exposed sewer lines quarterly	Y	
61.346(b)(5)	Repair as soon as practicable but no later than 15 days after identification	Y	
61.348(a)	Requirements for treatment of waste streams	Y	
61.348(a)(5)	Aggregation of process wastewater, product tank drawdown, or landfill leachate	Y	
61.348(b)	Requirements for facilities that aggregate process wastewater, product tank drawdown, and/or landfill leachate	Y	
61.350	Delay of repair	Y	
61.355	Test Methods, Procedures, and Compliance Provisions	Y	
61.355(a)	Determination of total annual benzene quantity (TAB) from facility waste (use procedure to determine target benzene quantity (TBO) for aqueous wastes per 61.355(k)(1)) Determination of total annual benzene quantity from facility waste	Y	
61.355(a)(1)	Requirements for determining annual benzene quantity for aqueous wastes (greater than 10% water) Waste streams containing more than 10% water	Y	
61.355(a)(2)	Calculation of total annual benzene quantity from facility waste	Y	
61.355(a)(3)	Requirements if annual benzene quantity is greater than 11 ton/yr	Y	
61.355(a)(6)	Benzene quantity from streams generated less than once per year	Y	
61.355(b)	Determine annual waste quantity at point of generation, <u>with allowable exceptions. Use specified methods</u>	Y	
61.355(b)(1)	Determination of annual waste quantity for sour water streams	Y	
61.355(b)(5)	<u>Method to determine annual waste quantity – Option 1 – Historical records</u>	Y	
61.355(b)(6)	<u>Method to determine annual waste quantity – Option 2 – Maximum design capacity</u>	Y	
61.355(b)(7)	Measurements must be <u>Method to determine annual waste quantity – Option 3 – representative measurements</u> of maximum waste generation rate	Y	

IV. Source-Specific Applicable Requirements

**Table IV – General
 Generally Applicable Requirements
 which Require Routine Monitoring**

Applicable Requirement	Regulation Title or Description of	Federally Enforceable (Y/N)	Future Effective Date
61.355(c)	Determination of flow-weighted annual average benzene concentration	<u>Y</u>	
61.355(c)(1)	Criteria for determination of flow-weighted annual average benzene concentration	Y	
61.355(c)(1)(i)	Determination made at point of waste generation	Y	
61.355(c)(1)(i)(A)	Determination for sour water streams	Y	
61.355(c)(1)(ii)	<u>Criteria for determination of flow-weighted annual average benzene concentration; Volatilization of benzene by exposure to air shall not be used in determination</u> Volatilization of benzene by exposure to air shall not be used in determination	Y	
61.355(c)(1)(iii)	<u>Criteria for determination of flow-weighted annual average benzene concentration; Mixing or diluting the waste stream shall not be used in determination</u> Mixing or diluting the waste stream shall not be used in determination	Y	
61.355(c)(1)(iv)	Determination shall be made prior to treatment	Y	
61.355(c)(1)(v)	<u>Criteria for determination of flow-weighted annual average benzene concentration; Determination for mixed-phase wastes</u>	Y	
61.355(c)(2)	<u>Method for determination of benzene concentration: OPTION 1</u> Knowledge of the waste	Y	
61.355(c)(3)	<u>Method for determination of benzene concentration: OPTION 2</u> Measurements of benzene concentration	Y	
61.355(k)	Determination of benzene quantity (<u>TBQ</u>) for purposes of calculation <u>61.342(e)(2)</u>	Y	
61.355(k)(1)	<u>Benzene quantity (TBQ) in w</u> Waste streams not controlled for air emissions	Y	
61.355(k)(2)	<u>Benzene quantity (TBQ) in w</u> Waste streams controlled for air emissions	Y	
61.355(k)(3)	<u>Benzene quantity (TBQ) in w</u> Waste streams generated less than once per year	Y	
61.355(k)(5)	Determination of benzene quantity in <u>Calculation of benzene quantity in</u> waste streams controlled for air emissions	Y	
61.355(k)(6)	Calculation of total-target benzene quantity (<u>TBQ</u>)	Y	
61.355(k)(7)	<u>Multiple counting of benzene quantity of a waste stream</u>	<u>Y</u>	
40 CFR 61.356	Recordkeeping Requirements	Y	
40 CFR 61.356(a)	Recordkeeping and retention requirements	Y	
40 CFR 61.356(b)	<u>Recordkeeping Requirements: Waste streams records</u>	Y	
61.356(b)(1)	<u>Recordkeeping Requirements: Uncontrolled waste streams</u>	<u>Y</u>	
61.356(b)(4)	<u>Recordkeeping Requirements: Waste stream records for controlled waste streams controlled per 61.342(e)</u>	Y	
40 CFR 61.356(d)	Recordkeeping Requirements: Control equipment engineering design	Y	

IV. Source-Specific Applicable Requirements

**Table IV – General
 Generally Applicable Requirements
 which Require Routine Monitoring**

Applicable Requirement	Regulation Title or Description of	Federally Enforceable (Y/N)	Future Effective Date
40 CFR 61.356(e)	Recordkeeping Requirements: Treatment process or unit per 61.348	Y	
40 CFR 61.356(f)	Recordkeeping Requirements: Closed vent system and control device per 61.349—retain for life of device	Y	
40 CFR 61.356(g)	Recordkeeping Requirements: Visual inspection per 61.343 through	Y	
40 CFR 61.356(h)	Recordkeeping Requirements: No detectable emissions tests per 61.343 through 61.347, and 61.349	Y	
40 CFR 61.356(i)	Recordkeeping Requirements: Treatment process or unit per 61.348	Y	
40 CFR 61.356(j)	Recordkeeping Requirements: Control device operation	Y	
61.357	Reporting Requirements	Y	
61.357(a)(1)	<u>Annual report (61.357(d)(2)) contents:</u> Reporting of total annual benzene quantity from facility waste	Y	
61.357(a)(2)	<u>Annual report (61.357(d)(2)) contents:</u> Table identifying each waste stream and whether controlled	Y	
61.357(a)(3)	<u>Annual report (61.357(d)(2)) contents:</u> Information for uncontrolled streams	Y	
61.357(d)	Reporting Requirements: Facilities with <u>TAB > 10 Mg/yr</u> or more total benzene in waste	Y	
61.357(d)(2)	<u>Reporting Requirements: Facilities with TAB > 10 Mg/yr:</u> Annual reports	Y	
61.357(d)(5)	<u>Reporting Requirements: Facilities with TAB > 10 Mg/yr: Annual report contents required</u> Reports of compliance with alternative requirements	Y	
61.357(d)(6)	<u>Reporting Requirements: Facilities with TAB > 10 Mg/yr:</u> Quarterly certifications <u>of inspections</u>	Y	
61.357(d)(7)	<u>Reporting Requirements: Facilities with TAB > 10 Mg/yr:</u> Quarterly reports	Y	
61.357(d)(7)(iv)	Reports of deviations at control devices	Y	
61.357(d)(7)(iv)(A)	Reports of periods of temperatures of 28°C. or more below design combustion zone temperature for thermal vapor incinerators	Y	
61.357(d)(7)(iv)(C)	Reports of periods of temperatures of 28°C. or more below design combustion zone temperature for boiler or process heater less than \leq 150 MMBtu/hr	Y	
61.357(d)(7)(iv)(G)	Reports of change of location at which vent stream introduced into flame zone	Y	
61.357(d)(7)(iv)(I)	Reports of carbon not replaced at predetermined interval	Y	
61.357(d)(8)	Reports of summary of all inspections	Y	
40 CFR 61.357(e)	<u>Reporting Notification Requirements for Floating roof tanks subject to 61.351 and 61.352 equipment</u>	Y	

IV. Source-Specific Applicable Requirements

**Table IV – General
 Generally Applicable Requirements
 which Require Routine Monitoring**

Applicable Requirement	Regulation Title or Description of	Federally Enforceable (Y/N)	Future Effective Date
40 CFR 61.357(f)	Reporting Requirements for <u>Floating roof tanks subject to</u> 61.351 control equipment	Y	
NESHAPS Title 40 Part CFR 63 Subpart A	General Provisions of MACT Standards (<u>01/18/2008</u>03/16/1994)		
<u>63.1</u>	<u>Applicability</u>	<u>Y</u>	
<u>63.2</u>	<u>Definitions</u>	<u>Y</u>	
<u>63.3</u>	<u>Units and Abbreviations</u>	<u>Y</u>	
<u>63.4</u>	<u>Prohibited Activities and Circumvention</u>	<u>Y</u>	
<u>63.5</u>	<u>Preconstruction Review and Notification Requirements</u>	<u>Y</u>	
<u>63.6</u>	<u>Compliance with Standards and Maintenance Requirements</u>	<u>Y</u>	
<u>63.7</u>	<u>Performance Testing Requirements</u>	<u>Y</u>	
<u>63.8</u>	<u>Monitoring Requirements</u>	<u>Y</u>	
<u>63.9</u>	<u>Notification Requirements</u>	<u>Y</u>	
<u>63.10</u>	<u>Recordkeeping and Reporting Requirements</u>	<u>Y</u>	
<u>63.12</u>	<u>State Authority and Delegation</u>	<u>Y</u>	
<u>63.13</u>	<u>Addresses of EPA Regional Office</u>	<u>Y</u>	
<u>63.14</u>	<u>Incorporation by Reference</u>	<u>Y</u>	
<u>63.15</u>	<u>Availability of Information and Confidentiality</u>	<u>Y</u>	
<u>63.16</u>	<u>Performance Track Provisions</u>	<u>Y</u>	
40 CFR 63.1(a)(1)	Terms used throughout this part are defined in section 63.2	Y	
40 CFR 63.1(a)(2)	This part contains NESHAPS pursuant to Section 112 of Federal Clean Air Act. These NESHAPS are independent of NESHAPS in 40 CFR 61.	Y	
40 CFR 63.1(a)(3)	Emission standard in this part does not replace a more stringent standard in another rule.	Y	
40 CFR 63.1(a)(11)	Submittal postmarked within required timeframe is sufficient.	Y	
40 CFR 63.1(a)(12)	Time periods may be extended if mutually agreed upon, as allowed under 63.9(i)	Y	
40 CFR 63.1(a)(13)	Special provision in another applicable subpart supersedes conflicting provisions in this subpart.	Y	
40 CFR 63.1(a)(14)	Federal enforceability	Y	
40 CFR 63.1(b)(2)	Sources under this subpart may also be required to obtain local permit.	Y	
40 CFR 63.1(e)(4)	If an extension is obtained for specific provision, all other provisions still apply.	Y	
40 CFR 63.1(e)(5)	Applicability	Y	
40 CFR 63.2	Definitions	Y	
40 CFR	Sources may not operate in violation, unless an extension or	Y	

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Applicable Requirement	Regulation Title or Description of	Federally Enforceable (Y/N)	Future Effective Date
63.4(a)(1)	exemption has been obtained		
40 CFR 63.4(a)(2)	Recordkeeping and reporting requirements must be met	Y	
40 CFR 63.4(a)(3)	Source must also comply with local requirements	Y	
40 CFR 63.4(a)(5)	Source must comply with applicable standards even if Title V permit not issued or updated	Y	
40 CFR-63.4(b)	Circumvention	Y	
40 CFR-63.4(e)	Severability	Y	
40 CFR-63.5(a)	Construction and reconstruction applicability	Y	
40 CFR 63.5(a)(1)	Construction and Reconstruction	Y	
40 CFR 63.5(a)(2)	Construction and Reconstruction	Y	
40 CFR 63.5(b)(1)	Upon construction or reconstruction, subject to standards for new sources	Y	
40 CFR 63.5(b)(3)	Prior written approval of administrator required before constructing or reconstructing	Y	
40 CFR 63.5(b)(4)	Construction and Reconstruction	Y	
40 CFR 63.5(b)(5)	Construction and Reconstruction	Y	
40 CFR 63.5(b)(6)	Equipment added to affected source becomes part of affected source, and is subject to relevant standards for source	Y	
40 CFR 63.5(d)(1)(i)	Construction and Reconstruction	Y	
40 CFR 63.5(d)(1)(ii)	Separate applications for each construction or reconstruction	Y	
63.5(d)(1)(iii)	Submittal of estimates	Y	
40 CFR 63.5(d)(3)	Application for approval of construction	Y	
40 CFR 63.5(d)(4)	Additional information	Y	
40 CFR-63.5(e)	Approval of construction or reconstruction	Y	
40 CFR 63.5(f)(1)	Approval of construction or reconstruction based on local pre-construction review	Y	
40 CFR 63.5(f)(2)	Construction and Reconstruction	Y	
40 CFR-63.6(a)	Compliance with Standards and Maintenance Requirements	Y	
40 CFR 63.6(b)(3)	Compliance with Standards and Maintenance Requirements	Y	
40 CFR 63.6(e)(5)	Compliance with Standards and Maintenance Requirements	Y	
40 CFR-63.6(e)	Compliance with Standards and Maintenance Requirements	Y	

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**Table IV – General
 Generally Applicable Requirements
 which Require Routine Monitoring**

Applicable Requirement	Regulation Title or Description of	Federally Enforceable (Y/N)	Future Effective Date
40 CFR 63.6(f)(1)	Compliance with non-opacity emission standards—applicability	Y	
40 CFR 63.6(f)(2)(i)	Determine compliance with non-opacity standard based on performance	Y	
40 CFR 63.6(f)(2)(ii)	Compliance with Standards and Maintenance Requirements	Y	
40 CFR 63.6(f)(2)(iii)(A)	Compliance with Standards and Maintenance Requirements	Y	
40 CFR 63.6(f)(2)(iii)(B)	Compliance with Standards and Maintenance Requirements	Y	
40 CFR 63.6(f)(2)(iii)(C)	Compliance with Standards and Maintenance Requirements	Y	
40 CFR 63.6(f)(2)(iv)	Determine compliance by reviewing records, inspections	Y	
40 CFR 63.6(f)(2)(v)	Compliance with Standards and Maintenance Requirements	Y	
40 CFR 63.6(f)(3)	Finding of compliance	Y	
40 CFR 63.6(g)	Use of alternative non-opacity emission standard	Y	
40 CFR 63.6(h)(1)	Compliance with Standards and Maintenance Requirements	Y	
40 CFR 63.6(h)(2)	Compliance with Standards and Maintenance Requirements	Y	
40 CFR 63.6(h)(6)	Compliance with Standards and Maintenance Requirements	Y	
40 CFR 63.6(i)	Compliance with Standards and Maintenance Requirements	Y	
40 CFR 63.6(j)	Exemption from compliance with emission standard	Y	
40 CFR 63.7(a)(3)	Administrator may require a performance test	Y	
40 CFR 63.7(d)	Performance testing facilities-	Y	
40 CFR 63.7(e)(1)	Performance Testing Requirements	Y	
40 CFR 63.7(e)(2)	Performance Testing Requirements	Y	
40 CFR 63.7(e)(4)	Performance Testing Requirements	Y	
40 CFR 63.7(h)(1)	Performance Testing Requirements	Y	
40 CFR 63.7(h)(2)	Performance Testing Requirements	Y	
40 CFR 63.7(h)(3)	Performance Testing Requirements	Y	
40 CFR	Performance Testing Requirements	Y	

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**Table IV – General
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Applicable Requirement	Regulation Title or Description of	Federally Enforceable (Y/N)	Future Effective Date
63.7(h)(5)			
40 CFR 63.8(b)(1)	Conducting monitoring	Y	
40 CFR 63.8(b)(3)	Using more than one monitoring system to measure emissions.	Y	
40 CFR 63.8(e)(1)	Monitoring Requirements	Y	
40 CFR 63.8(e)(1)(i)	Permit holder shall keep necessary parts to repair “routine” malfunctions, as identified in malfunction plan, per 63.6(e)(3)	Y	
40 CFR 63.8(e)(1)(ii)	Monitoring Requirements	Y	
40 CFR 63.8(e)(1)(iii)	Applicable operation and maintenance procedures	Y	
40 CFR 63.8(e)(2)	Monitoring systems shall measure representative emissions; parameters.	Y	
40 CFR 63.8(e)(3)	Monitors shall be installed prior to, or in conjunction with, performance tests under 63.7	Y	
40 CFR 63.8(f)(1)	Use of alternative monitoring method	Y	
40 CFR 63.8(f)(2)	Administrator may approve alternative monitoring upon written request	Y	
40 CFR 63.8(f)(3)	If administrator has reasonable grounds to dispute results of alternative monitoring, the administrator may require specific monitoring	Y	
40 CFR 63.8(f)(4)(ii)	Monitoring Requirements	Y	
63.8(f)(4)(iv)	Requirements for applications for minor changes	Y	
63.8(f)(5)(i)	Notification of approval of alternative monitoring	Y	
63.8(f)(5)(ii)	Administrator may establish procedures and criteria	Y	
40 CFR 63.8(f)(5)(iii)	Monitoring Requirements	Y	
40 CFR 63.9(a)	Notification requirements—applicability and general information	Y	
40 CFR 63.9(b)(4)	Notification Requirements	Y	
40 CFR 63.9(b)(5)	Notification Requirements	Y	
40 CFR 63.9(e)	Notification Requirements	Y	
40 CFR 63.9(d)	Notification Requirements	Y	
40 CFR 63.9(i)	Adjustments to time periods or postmark deadlines for submittal and review of required communications	Y	
40 CFR 63.10(a)	Recordkeeping and reporting—applicability and general information.	Y	
40 CFR 63.10(b)(1)	Keep records for 5 years.	Y	
40 CFR	Records of startup, shutdown, or malfu	Y	

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**Table IV – General
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Applicable Requirement	Regulation Title or Description of	Federally Enforceable (Y/N)	Future Effective Date
63.10(b)(2)(i)	action of operation.		
40 CFR 63.10(b)(2)(ii)	Records of malfunction of air pollution control equipment	Y	
40 CFR 63.10(b)(2)(iv)	Record of actions deviating from startup, shutdown, and malfunction plan.	Y	
40 CFR 63.10(b)(2)(v)	Records to determine conformance with startup, shutdown, and malfunction plan.	Y	
40 CFR 63.10(b)(2)(vi)	Records on monitor malfunction of non-operation	Y	
40 CFR 63.10(b)(2)(vii)	Records of all measurements needed to demonstrate compliance with a standard.	Y	
40 CFR 63.10(b)(2)(viii)	Records of performance tests, monitor evaluations, and opacity/visible emissions observations	Y	
40 CFR 63.10(b)(2)(x)	Records of monitoring system calibration checks.	Y	
63.10(b)(2)(xi)	Records of monitoring system adjustments and maintenance	Y	
40 CFR 63.10(d)(4)	Progress reports for extension of compliance	Y	
40 CFR 63.10(d)(5)(i)	Periodic startup, shutdown, and malfunction reports.	Y	
40 CFR 63.10(d)(5)(ii)	Immediate startup, shutdown, and malfunction reports.	Y	
40 CFR 63.10(f)	Waiver of recordkeeping and reporting requirements	Y	
40 CFR 63.11	Control Device Requirements	Y	
40 CFR 63.12	State Authority and Delegation	Y	
40 CFR 63.13	Addresses of EPA Regional Office	Y	
40 CFR 63.14	Incorporation by Reference	Y	
40 CFR 63.15	Availability of Information and Confidentiality	Y	
40 CFR 63 Subpart B	<u>National Emission Standards for Hazardous Air Pollutants for Source Categories: Requirements for Control Technology Determinations for Major Sources in Accordance with Clean Air Act Sections, Section 112(g) and 112(j); Final Rule (07/11/2005)</u>		
63.52	<u>Approval process for new and existing affected sources.</u>	Y	
63.52(a)	<u>Sources subject to section 112(j) as of the section 112(j) deadline</u>	Y	
63.52(a)(1)	<u>Submit an application for Title V permit revision</u>	Y	
63.52(e)	<u>Permit application review</u>	Y	
63.52(h)	<u>Enhanced monitoring</u>	Y	
63.52(h)(i)	<u>MACT emission limitations</u>	Y	
63.52(h)(i)(1)	<u>Compliance with all requirements applicable to affected sources, including compliance date for affected sources</u>	Y	
63.53	<u>Application content for case-by-case MACT determination</u>	Y	
63.53(a)	<u>Part 1 MACT application</u>	Y	

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**Table IV – General
 Generally Applicable Requirements
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Applicable Requirement	Regulation Title or Description of	Federally Enforceable (Y/N)	Future Effective Date
63.53(b)	Part 2 MACT application	<u>Y</u>	
40 CFR 63 Subpart G	SOCMI HON G (06/23/2003) Requirements for Storage Vessels Subject to 40 CFR 63 Subpart CC		
63.120(b)	Storage Vessel Provisions. Procedures to Determine Compliance— Compliance Demonstration-- External floating roof	<u>Y</u>	
63.120(b)(1)	Storage Vessel Provisions. Procedures to Determine Compliance— Compliance Demonstration-- External FR seal gap measurement	<u>Y</u>	
63.120(b)(1)(i)	Storage Vessel Provisions. Procedures to Determine Compliance— Compliance Demonstration-- External FR with double seals primary seal gap measurement	<u>Y</u>	
63.120(b)(1)(iii)	Storage Vessel Provisions. Procedures to Determine Compliance— Compliance Demonstration-- External FR with double seals secondary seal gap	<u>Y</u>	
63.120(b)(1)(iv)	Storage Vessel Provisions. Procedures to Determine Compliance— Compliance Demonstration-- External FR seal inspections prior to tank refill after service	<u>Y</u>	
NESHAPS Title 40 Part CFR 63 Subpart CC	NESHAPS for Petroleum Refineries (06/23/2003/06/12/1996)		
40 CFR 63.640(a)	Applicability applies to petroleum refining process units and to related emission points at plant site-	Y	
40 CFR 63.640(c)	Applicability and Designation of Affected Source--Includes all emission points at plant site, Refinery	Y	
40 CFR 63.640(d)	Applicability and Designation of Affected Source--Exclusions	Y	
40 CFR 63.640(f)	Applicability and Designation of Affected Source	Y	
40 CFR 63.640(g)	Applicability and Designation of Affected Source--Exempt Processes	Y	
40 CFR 63.640(h)	Applicability and Designation of Affected Source--Compliance dates	Y	
40 CFR 63.640(i)	Applicability and Designation of Affected Source--New petroleum refining process unit requirements	Y	
40 CFR 63.640(j)	Applicability and Designation of Affected Source--Changes to existing petroleum refining process units	Y	
40 CFR 63.640(k)	Applicability and Designation of Affected Source--Additional requirements for new or changed sources	Y	
40 CFR 63.640(l)	Applicability and Designation of Affected Source--Additions of new equipment (i.e. process vents, storage vessels, etc) in Group 1 sources not subject to 63.640(i) or (j) .	Y	
40 CFR 63.640(m)	Applicability and Designation of Affected Source--Changes causing Group 2 emission points to become Group 1 points	Y	

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**Table IV – General
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Applicable Requirement	Regulation Title or Description of	Federally Enforceable (Y/N)	Future Effective Date
40 CFR 63.640(q)	For overlap of subpart CC with local or State regulations, the permitting authority for the affected source may allow consolidation of the monitoring, recordkeeping, and reporting requirements under this subpart.	Y	
40 CFR 63.641	Definitions: (arranged alphabetically) Group 1 wastewater stream, Group 2 wastewater stream, miscellaneous process vents (specifically does not include emissions from wastewater collection and conveyance systems).	Y	
40 CFR 63.642	General Standards	Y	
40 CFR 63.642(a)	Apply for a part 70 or part 71 operating permit	Y	
40 CFR 63.642(c)	Table 6 of this subpart specifies the subpart A provisions that apply.	Y	
40 CFR 63.642(d)	Initial performance tests and compliance determinations shall be required only as specified in this subpart	Y	
40 CFR 63.642(e)	Keep copies of all applicable reports and records for at least 5 years, except as otherwise specified in this subpart.	Y	
40 CFR 63.642(f)	All reports required by this subpart shall be sent to the Administrator	Y	
40 CFR 63.642(i)	Existing source owners/operators shall demonstrate compliance with (g) by following procedures in 63.642(k) or by following emission averaging compliance approach in 63.642(l) for specified emission points and the procedures in 63.642(k) for other emission points.	Y	
40 CFR 63.642(k)	Existing source owners/operators may comply, and new sources owners/operators shall comply with the storage vessel provisions in 63.646 and wastewater provisions in 63.647 . Sources using 63.642(k) approach must and comply with 63.654 and are exempt from 63.642(g)	Y	
63.647	Wastewater Provisions	<u>Y</u>	
40 CFR 63.647(a)	Wastewater Provisions: Comply with 40 CFR 61 Subpart FF for Group 1 wastewater streams	Y	
40 CFR 63.647(b)	Wastewater Provisions: Definitions	Y	
40 CFR 63.647(c)	Wastewater Provisions: Requirements for operating in accordance with 40 CFR 61 Subpart FF	Y	
63.654	Reporting and Recordkeeping Requirements	<u>Y</u>	
40 CFR 63.654(a)	Semi-Annual-Reporting and Recordkeeping Requirements; wastewater provisions	Y	
40 CFR 63.654(e)	Semi-Annual-Reporting and Recordkeeping Requirements Reporting Requirements	Y	
63.654(f)	Reporting Requirements; Notice of Compliance Status	<u>Y</u>	
63.654(f)(1)(i)	Reporting Requirements; Notice of Compliance Status; storage vessel information	<u>Y</u>	

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**Table IV – General
 Generally Applicable Requirements
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Applicable Requirement	Regulation Title or Description of	Federally Enforceable (Y/N)	Future Effective Date
<u>63.654(f)(6)</u>	<u>Reporting Requirements; Notice of Compliance Status; information for new equipment (required by 63.640(I)(3))</u>	<u>Y</u>	
<u>40 CFR 63.654(g)</u>	<u>Periodic Reporting and Recordkeeping Requirements Reporting Requirements: Semiannual periodic reports</u>	Y	
<u>40 CFR 63.654(h)</u>	Reporting and Recordkeeping Requirements--Other reports	Y	
<u>40 CFR 63.654(i)</u>	Reporting and Recordkeeping Requirements-- Recordkeeping	Y	
<u>63.654(i)(4)</u>	<u>Recordkeeping Requirements; record retention</u>	<u>Y</u>	
Appendix Table 1	Hazardous Air Pollutants	Y	
Appendix Table 6	<u>General Provisions Applicability to Subpart C Hazardous Air Pollutants</u>	Y	
<u>40 CFR Part 98</u>	<u>Mandatory Greenhouse Gas Reporting</u>	<u>Y</u>	
<u>Subpart A</u>	<u>General Provisions</u>	<u>Y</u>	
<u>Subpart C</u>	<u>General Stationary Fuel Combustion Sources</u>	<u>Y</u>	
<u>Subpart Y</u>	<u>Petroleum Refineries</u>	<u>Y</u>	
<u>Subpart MM</u>	<u>Suppliers of Petroleum Products</u>	<u>Y</u>	
BAAQMD Condition #20762			
Part 1	Verify true vapor pressure (8-5-117)	Y	
<u>Part 2</u>	<u>Comply with Regulation 8-5 when switching different service (Regulation 8, Rule 5)</u>	<u>Y</u>	
Part 3 2	Recordkeeping (8-5-117)	Y	
BAAQMD Condition #21738			
Part I.14	Facility Limits (Cumulative Increase)	Y	
Part I.18a	NMHC estimates (Cumulative Increase)	Y	

Table IV – Generally Applicable Conditions

Applicable Condition	Regulation Title or Description of	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Condition # 19466-4	The owner/operator shall notify the District in writing by fax or email no less than three calendar days in advance of any scheduled startup 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 or within the next normal business day after the unscheduled startup/shutdown. The notification shall be sent in writing by fax or email to the Director of Enforcement and Compliance. The requirement is not federally enforceable. [Regulation 2-1-403]	N	
<u>40 CFR 63</u>	<u>National Emission Standards for Hazardous Air Pollutants for</u>		

IV. Source-Specific Applicable Requirements

**Table IV – General
 Generally Applicable Requirements
 which Require Routine Monitoring**

Applicable Requirement	Regulation Title or Description of	Federally Enforceable (Y/N)	Future Effective Date
	Source Categories: General Provisions; and Requirements for Control Technology Determinations for Major Sources in Accordance with Clean Air Act Sections, Section 112(g) and 112(j); Final Rule 07/11/2005		
63.52	Approved process for new and existing affected sources.	Y	
63.52(a)	Sources subject to section 112(j) as of the section 112(j) deadline	Y	
63.52(a)(1)	Submit an application for Title V permit revision	Y	
63.52(e)	Permit application review	Y	
63.52(e)(1)	Submit a Part 2 MACT application meeting the requirements of 63.53(b) for Combustion Turbines	Y	12/29/03
63.52(e)(1)	Submit a Part 2 MACT application meeting the requirements of 63.53(b) for Organic Liquids Distribution	Y	12/29/03
63.52(e)(1)	Submit a Part 2 MACT application meeting the requirements of 63.53(b) for Site Remediation	Y	12/29/03
63.52(e)(1)	Submit a Part 2 MACT application meeting the requirements of 63.53(b) for Process Heaters	Y	6/27/04
63.52(e)(1)	Submit a Part 2 MACT application meeting the requirements of 63.53(b) for Reciprocating Internal Combustion Engines	Y	6/27/04
63.52(e)(1)	Submit a Part 2 MACT application meeting the requirements of 63.53(b) for Process Heaters (that burn hazardous waste)	Y	11/12/05
63.52(h)	Enhanced monitoring	Y	
63.52(h)(i)	MACT emission limitations	Y	
63.52(h)(i)(1)	Compliance with all requirements applicable to affected sources, including compliance date for affected sources	Y	
63.53	Application content for case-by-case MACT determination	Y	
63.53(a)	Part 1 MACT application	Y	
63.53(b)	Part 2 MACT application	Y	

**Table IV - AB
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NSPS Subpart Kb External Floating Roof Tanks
 S-1, S-2, S-4, S-23, (TK-4601A, TK-4601B, TK-4610A, TK-4610B)
 - BAP Crude Storage Tanks**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
<u>BAAQMD · Regulation 8 Rule 5</u>	<u>Organic Compounds, Storage of Organic Liquids (10/18/2006)</u>		
<u>8-5-111</u>	<u>Limited Exemption, Tank Removal From and Return to Service</u>	<u>N</u>	

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Table IV - AB
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S-1, S-2, S-4, S-23 (TK-4601A, TK-4601B, TK-4610A, TK-4610B)
- BAP Crude Storage Tanks

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
<u>8-5-111.1</u>	<u>Limited Exemption, Tank Removal From and Return to Service, Notification</u>	<u>Y</u>	
<u>8-5-111.2</u>	<u>Limited Exemption, Tank Removal From and Return to Service; Tank in compliance at time of notification</u>	<u>N</u>	
<u>8-5-111.3</u>	<u>Limited Exemption, Tank Removal From and Return to Service; Filling, emptying, refilling floating roof tanks</u>	<u>Y</u>	
<u>8-5-111.5</u>	<u>Limited Exemption, Tank Removal From and Return to Service; Minimize emissions and, if required, degas per 8-5-328</u>	<u>N</u>	
<u>8-5-111.6</u>	<u>Limited Exemption, Tank Removal From and Return to Service; Self report if out of compliance during exemption period</u>	<u>N</u>	
<u>8-5-112</u>	<u>Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation</u>	<u>N</u>	
<u>8-5-112.1</u>	<u>Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; Notification</u>	<u>Y</u>	
<u>8-5-112.2</u>	<u>Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; Tank in compliance at time of notification</u>	<u>N</u>	
<u>8-5-112.3</u>	<u>Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; No product movement, Minimize emissions</u>	<u>Y</u>	
<u>8-5-112.4</u>	<u>Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; Not to exceed 7 days</u>	<u>N</u>	
<u>8-5-112.5</u>	<u>Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; Self report if out of compliance during exemption period</u>	<u>N</u>	
<u>8-5-112.6</u>	<u>Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; Keep records for each exemption</u>	<u>N</u>	
<u>8-5-117</u>	<u>Limited Exemption, Low Vapor Pressure</u>	<u>N</u>	
<u>8-5-119</u>	<u>Limited Exemption, Repair Period for Enhanced Monitoring Program Tanks (Optional)</u>	<u>N</u>	
<u>8-5-301</u>	<u>Storage Tank Control Requirements</u>	<u>N</u>	
<u>8-5-304</u>	<u>Requirements for External Floating Roof Tanks</u>	<u>N</u>	
<u>8-5-304.1</u>	<u>Requirements for External Floating Roofs; Tank fittings</u>	<u>Y</u>	
<u>8-5-304.2</u>	<u>Requirements for External Floating Roofs; Primary seal (8-5-321)</u>	<u>Y</u>	
<u>8-5-304.3</u>	<u>Requirements for External Floating Roofs; Secondary seal (8-5-322)</u>	<u>Y</u>	
<u>8-5-304.4</u>	<u>Requirements for External Floating Roofs; Floating roof</u>	<u>N</u>	
<u>8-5-304.5</u>	<u>Requirements for External Floating Roofs; Tank shell</u>	<u>N</u>	
<u>8-5-304.6</u>	<u>Requirements for External Floating Roofs; Pontoons – no leaks</u>	<u>N</u>	
<u>8-5-304.6.1</u>	<u>Requirements for External Floating Roofs; Pontoons – make gas tight if leaking</u>	<u>N</u>	
<u>8-5-304.6.2</u>	<u>Requirements for External Floating Roofs; Pontoons-repair all leaks at next removal from service</u>	<u>N</u>	
<u>8-5-320</u>	<u>Floating Roof Tank Fitting Requirements</u>	<u>N</u>	

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S-1, S-2, S-4, S-23 (TK-4601A, TK-4601B, TK-4610A, TK-4610B)
 - BAP Crude Storage Tanks

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-5-320.2	Floating Roof Tank Fitting Requirements; Projection below liquid surface	<u>N</u>	
8-5-320.3	Floating Roof Tank Fitting Requirements; Gasketed covers, seals, lids	<u>N</u>	
8-5-320.3.1	Floating Roof Tank Fitting Requirements; Gasketed covers, seals, lids - Gap requirements	<u>Y</u>	
8-5-320.4	Floating Roof Tank Fitting Requirements; Solid sampling or gauging wells--	<u>Y</u>	
8-5-320.4.1	Floating Roof Tank Fitting Requirements; Solid sampling or gauging wells--projection below liquid surface	<u>Y</u>	
8-5-320.4.2	Floating Roof Tank Fitting Requirements; Solid sampling or gauging wells--cover, seal, or lid	<u>Y</u>	
8-5-320.4.3	Floating Roof Tank Fitting Requirements; Solid sampling or gauging wells-- total secondary seal gap must include well gap	<u>Y</u>	
8-5-320.5	Floating Roof Tank Fitting Requirements; Slotted sampling or gauging wells	<u>N</u>	
8-5-320.5.1	Floating Roof Tank Fitting Requirements; Slotted sampling or gauging wells -projection below liquid surface	<u>Y</u>	
8-5-320.5.2	Floating Roof Tank Fitting Requirements; Slotted sampling or gauging wells -cover, gasket, pole sleeve, pole wiper for EFR wells	<u>N</u>	
8-5-320.5.3	Floating Roof Tank Fitting Requirements; Slotted sampling or gauging wells-total secondary seal gap must include well gap	<u>Y</u>	
8-5-321	Primary Seal Requirements	<u>N</u>	
8-5-321.1	Primary Seal Requirements; No holes, tears, other openings	<u>Y</u>	
8-5-321.2	Primary Seal Requirements; The seal shall be metallic shoe or liquid mounted except as provided in 8-5-305.1.3	<u>Y</u>	
8-5-321.3	Primary Seal Requirements; Metallic-shoe-type seal requirements	<u>N</u>	
8-5-321.3.1	Primary Seal Requirements; Metallic-shoe-type seal requirements-- geometry of shoe	<u>Y</u>	
8-5-321.3.2	Primary Seal Requirements; Metallic-shoe-type seal requirements-- welded tanks	<u>Y</u>	
8-5-322	Secondary Seal Requirements	<u>N</u>	
8-5-322.1	Secondary Seal Requirements; No holes, tears, other openings	<u>Y</u>	
8-5-322.2	Secondary Seal Requirements; Insertion of probes	<u>Y</u>	
8-5-322.5	Secondary Seal Requirements; Gap requirements for welded external floating roof tanks with seals installed after 9/4/1985	<u>Y</u>	
8-5-322.6	Secondary Seal Requirements; Extent of seal	<u>Y</u>	
8-5-328	Tank Degassing Requirements	<u>N</u>	
8-5-331	Tank Cleaning Requirements, 90% Abatement Efficiency if abatement device used	<u>N</u>	

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S-1, S-2, S-4, S-23. (TK-4601A, TK-4601B, TK-4610A, TK-4610B)
- BAP Crude Storage Tanks

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
<u>8-5-332</u>	<u>Sludge Handling Requirements (applies to sludge removed from any tank that was subject BAAQMD 8-5 at any time since it was last put in service)</u>	<u>N</u>	
<u>8-5-401</u>	<u>Inspection Requirements for External Floating Roof Tanks</u>	<u>N</u>	
<u>8-5-401.1</u>	<u>Inspection Requirements for External Floating Roof Tanks; Primary and Secondary Seal Inspections</u>	<u>N</u>	
<u>8-5-401.2</u>	<u>Inspection Requirements for External Floating Roof Tanks; Tank Fittings Inspections</u>	<u>N</u>	
<u>8-5-411</u>	<u>Enhanced Monitoring Program (Optional)</u>	<u>N</u>	
<u>8-5-411.3</u>	<u>Enhanced Monitoring Program (Optional); Performance requirements</u>	<u>N</u>	
<u>8-5-412</u>	<u>Monitoring of Leaking Pontoons</u>	<u>N</u>	
<u>8-5-501</u>	<u>Records</u>	<u>N</u>	
<u>8-5-501.1</u>	<u>Records: Type and amounts of liquid, type of blanket gas, TVP- Retain 24 months</u>	<u>Y</u>	
<u>8-5-501.2</u>	<u>Records: Internal and External Floating Roof Tanks, Seal Replacement Records- Retain 10 years</u>	<u>Y</u>	
<u>8-5-501.3</u>	<u>Records: Retention</u>	<u>N</u>	
<u>8-5-602</u>	<u>Analysis of Samples, True Vapor Pressure</u>	<u>Y</u>	
<u>8-5-604</u>	<u>Determination of Applicability Based on True Vapor Pressure</u>	<u>Y</u>	
<u>8-5-605</u>	<u>Measurement of Leak Concentration and Residual Concentrations</u>	<u>N</u>	
<u>8-5-605.1</u>	<u>Measurement of Leak Concentration and Residual Concentrations; EPA Method 21 Instrument</u>	<u>N</u>	
<u>8-5-605.2</u>	<u>Measurement of Leak Concentration and Residual Concentrations; Test Methods</u>	<u>N</u>	
<u>8-5-606</u>	<u>Analysis of Samples, Tank Cleaning Agents</u>	<u>N</u>	
<u>8-5-606.1</u>	<u>Analysis of Samples, Tank Cleaning Agents; IBP</u>	<u>N</u>	
<u>8-5-606.2</u>	<u>Analysis of Samples, Tank Cleaning Agents; TVP</u>	<u>N</u>	
<u>8-5-606.3</u>	<u>Analysis of Samples, Tank Cleaning Agents; VOC</u>	<u>N</u>	
BAAQMD SIP Regulation 8, Rule 5	Storage of Organic Liquids (06/05/200311/27/02)		
<u>8-5-111</u>	<u>Limited Exemption, Tank Removal From and Return to Service</u>	<u>Y</u>	
<u>8-5-111.1</u>	<u>Notice to the APCO</u>	<u>Y</u>	
<u>8-5-111.2</u>	<u>Limited Exemption, Tank Removal From and Return to Service; Compliance before notification</u>	<u>Y</u>	
<u>8-5-111.3</u>	<u>Continuous and quick filling, emptying and refilling</u>	<u>Y</u>	
<u>8-5-111.5</u>	<u>Limited Exemption, Tank Removal From and Return to Service; Minimization of emissions</u>	<u>Y</u>	
<u>8-5-111.6</u>	<u>Limited Exemption, Tank Removal From and Return to Service; Written notice of completion not required</u>	<u>Y</u>	

IV. Source-Specific Applicable Requirements

Table IV - AB
Source-specific Applicable Requirements
NSPS Subpart Kb External Floating Roof Tanks
S-1, S-2, S-4, S-23 (TK-4601A, TK-4601B, TK-4610A, TK-4610B)
- BAP Crude Storage Tanks

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-5-111.7	<u>Limited Exemption, Tank Removal From and Return to Service:</u> Compliance with Section 8-5-328	Y	
8-5-112	Limited Exemption, Tanks in Operation	Y	
8-5-112.1	Notice to the APCO	Y	
8-5-112.2	<u>Limited Exemption, Tanks in Operation:</u> Compliance and certification before commencement of work <u>per 8-5-404</u>	Y	
8-5-112.3	No product movement; minimization of emissions	Y	
8-5-112.4	<u>Limited Exemption, Tanks in Operation:</u> Exemption does not exceed 7 days	Y	
8-5-117	Exemption, Low Vapor Pressure	Y	
8-5-301	Storage Tank Control Requirements (internal floating roof, external floating roof, or approved emission control system)	Y	
8-5-304	Requirements for External Floating Roofs	Y	
8-5-304.4	Requirements for External Floating Roofs; Floating roof requirement	Y	
8-5-320	Tank fitting requirements	Y	
8-5-320.2	<u>Tank fitting requirements; Projection below liquid surface</u> Openings in the floating roof except p/v valves and vacuum breaker vents	Y	
8-5-320.3	<u>Tank fitting requirements; Gasketed covers, seals, lids</u> Openings in the floating roof except floating roof legs	Y	
8-5-320.3.1	Gap limits on gasketed covers, seals, or lids	Y	
8-5-320.4	<u>Tank fitting requirements;</u> Solid sampling or gauging wells and similar fixed projections	Y	
8-5-320.5	Tank Fitting Requirements; Floating roof tanks, Slotted sampling or gauging well requirements in floating roof tanks	Y	
8-5-320.5.2	Tank Fitting Requirements; Floating roof tanks, Slotted sampling or gauging well requirements--cover, gasket, pole sleeve, pole wiper	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 8-5-305.1.3	Y	
8-5-321.3	<u>Primary seal requirements;</u> Metallic shoe type seals <u>requirements</u>	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	Gap length	Y	
8-5-322.5	Gap for welded tanks with seal installed after September 4, 1985	Y	
8-5-322.6	Secondary seal shall not be attached to primary seal	Y	
8-5-328	Tank degassing requirements	Y	
8-5-328.1	<u>Tank degassing requirements;</u> Tanks larger than 75 m ³	Y	

IV. Source-Specific Applicable Requirements

Table IV - AB
Source-specific Applicable Requirements
NSPS Subpart Kb External Floating Roof Tanks
S-1, S-2, S-4, S-23 (TK-4601A, TK-4601B, TK-4610A, TK-4610B)
- BAP Crude Storage Tanks

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-5-328.1.2	<u>Tank degassing requirements; Tanks larger than 75 m³</u> ; Concentration of organic compounds in tank of < 10,000 ppm as methane after degassing	Y	
8-5-328.2	<u>Tank degassing requirements; Ozone excess day prohibition</u> Tank degassing when ozone excess is predicted	Y	
8-5-401	Inspection Requirements for External Floating Roof Tanks	Y	
<u>8-5-401.1</u>	<u>Inspection Requirements for External Floating Roof Tanks; Primary and Secondary Seal Inspections</u>	<u>Y</u>	
<u>8-5-401.2</u>	<u>Inspection Requirements for External Floating Roof Tanks; Tank Fittings Inspections</u>	<u>Y</u>	
8-5-404	Certification	Y	
8-5-405	Information required	Y	
8-5-501	Records	Y	
8-5-503	Portable hydrocarbon detector	Y	
<u>BAAQMD Regulation 10</u>	<u>Standards of Performance for New Stationary Sources incorporated by reference (02/16/2000)</u>		
<u>10-17</u>	<u>Subpart Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels</u>	<u>Y</u>	
<u>NSPS Part 40 CFR 60 Subpart Kb</u>	<u>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 (10/15/2003)</u> <u>Requirements for External Floating Roof Tanks</u>	<u>Y</u>	
60.110b(a)	Applicability and designation of affected facility > or = to 75 cubic meter, after 7/23/1984	Y	
60.112b(a)	Standard for Volatile Organic Compounds (VOC); Requirement for tanks-- > 151 cubic meter with maximum TVP >=5.2 kPa and <76.6; or >= 75 cubic meter and < 151 cubic meter 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	
60.112b(a)(2)(iii)	Standard for Volatile Organic Compounds (VOC); External floating roof floating requirements	Y	

IV. Source-Specific Applicable Requirements

Table IV - AB
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NSPS Subpart Kb External Floating Roof Tanks
S-1, S-2, S-4, S-23 (TK-4601A, TK-4601B, TK-4610A, TK-4610B)
- BAP Crude Storage Tanks

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.113b(b)(1)	Testing and Procedures; External floating roof seal gap measurement frequency	Y	
60.113b(b)(1)(i)	Measurement of gaps between tank wall and primary seal	Y	
60.113b(b)(1)(ii)	Measurement of gaps between tank wall and secondary seal	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)(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 limitations	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	

IV. Source-Specific Applicable Requirements

Table IV - AB
Source-specific Applicable Requirements
NSPS Subpart Kb External Floating Roof Tanks
S-1, S-2, S-4, S-23 (TK-4601A, TK-4601B, TK-4610A, TK-4610B)
- BAP Crude Storage Tanks

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.115b	Reporting and Recordkeeping Requirements; 60.112b(a) tanks	Y	
60.115b(b)	Reporting and Recordkeeping Requirements; 60.112b(a) external floating roof	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 roof seal gap measurement report	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	
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(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(e)	Determination of vapor pressure for crude oil or refined petroleum products	Y	
60.116b(e)(1)	Monitoring of Operations; Determine TVP-temperature selection based on tank operating temperatures	Y	
60.116b(e)(2)(i)	use of API nomographs to determine true vapor pressure	Y	
60.116b(e)(2)(ii)	determination of true vapor pressure under special circumstances	Y	
40 CFR 63 Subpart CC	National Emission Standards for Hazardous Pollutants for Petroleum Refining (06/23/20038/18/95) <u>Requirements for External Floating Roof Tanks Subject to 40 CFR 60 Subpart Kb</u>		
63.640(c)(2)	Affected sources: Tanks	Y	
63.640(n)(1)	Applicability and Designation of Affected Source Overlap for Storage Vessels—Existing Group 1 or Group 2 also subject to Kb only subject to Kb and 63.640(n)(8).	Y	
63.640(n)(8)	<u>Overlap for storage vessels subject to 40 CFR 63 Subpart CC and 40</u>	Y	

IV. Source-Specific Applicable Requirements

Table IV - AB
Source-specific Applicable Requirements
NSPS Subpart Kb External Floating Roof Tanks
S-1, S-2, S-4, S-23 (TK-4601A, TK-4601B, TK-4610A, TK-4610B)
- BAP Crude Storage Tanks

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	<u>CFR 60 Subpart Kb</u>		
63.640(n)(8) (i)	Exemption from secondary seal requirements during gap measurements for primary seal	Y	
63.640(n)(8) (ii)	Structurally unsound roofs	Y	
63.640(n)(8) (iii)	Extensions for compliance	Y	
63.640(n)(8) (iv)	Additional reports if extension is used	Y	
63.640(n)(8) (v)	Subpart Kb reports may be submitted for this subpart. Permit holder has 60 days in lieu of Subpart Kb deadline.	Y	
63.640(n)(8) (vi)	Subpart Kb rim seal inspection reports not required if gaps do not exceed limitations.	Y	
BAAQMD Condition #21738			
Part I.14	<u>Facility Limits NMHC Limits for S1, S2, S4, S23</u> (Cumulative Increase)	Y	
Part I.18	Cumulative Increase Monitoring (Cumulative Increase)	Y	
Part I.18a	NMHC estimates (Cumulative Increase)	Y	
Part I.18c	Estimates of NMHC emissions from <u>S1, S2, S4, S23 tanks</u> (Cumulative Increase)	Y	
Part I.18j	Summary of emissions estimates and reports of non-compliance (Cumulative Increase)	Y	
Part II.12	Specifications for External Floating Roof Tanks (Cumulative Increase, Offsets)	Y	
Part II.13	Quarterly Seal <u>and Fitting</u> Inspections (Cumulative Increase)	Y	
Part II.14	Throughput Limit (Cumulative Increase)	Y	
Part II.15	Storage of Materials Other than Crude Oil (Cumulative Increase, Toxics)	Y	
Part II.16	Vapor Pressure Limit (Cumulative Increase, Offsets, Toxics)	Y	
Part II.22	Daily Recordkeeping (Cumulative Increase)	Y	
Part II.23	Monthly Recordkeeping (Cumulative Increase)	Y	
Part II.24	Crude Oil Transfers by pipeline only (Cumulative Increase)	Y	

IV. Source-Specific Applicable Requirements

Table IV - BJ1
Source-Specific Applicable Requirements
MACT Group 1 External Floating Roof Tanks; with Permit Conditions
S-57, S-58 (TK-1701, TK-1702)
Refinery Crude Storage Tanks

Applicable Requirement	Regulation Title or Description of	Federally Enforceable (Y/N)	Future Effective Date
<u>BAAQMD · Regulation 8 Rule 5</u>	<u>Organic Compounds, Storage of Organic Liquids (10/18/2006)</u>		
<u>8-5-111</u>	<u>Limited Exemption, Tank Removal From and Return to Service</u>	<u>N</u>	
<u>8-5-111.1</u>	<u>Limited Exemption, Tank Removal From and Return to Service, Notification</u>	<u>Y</u>	
<u>8-5-111.2</u>	<u>Limited Exemption, Tank Removal From and Return to Service; Tank in compliance at time of notification</u>	<u>N</u>	
<u>8-5-111.3</u>	<u>Limited Exemption, Tank Removal From and Return to Service; Filling, emptying, refilling floating roof tanks</u>	<u>Y</u>	
<u>8-5-111.5</u>	<u>Limited Exemption, Tank Removal From and Return to Service; Minimize emissions and, if required, degas per 8-5-328</u>	<u>N</u>	
<u>8-5-111.6</u>	<u>Limited Exemption, Tank Removal From and Return to Service; Self report if out of compliance during exemption period</u>	<u>N</u>	
<u>8-5-112</u>	<u>Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation</u>	<u>N</u>	
<u>8-5-112.1</u>	<u>Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; Notification</u>	<u>Y</u>	
<u>8-5-112.2</u>	<u>Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; Tank in compliance at time of notification</u>	<u>N</u>	
<u>8-5-112.3</u>	<u>Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; No product movement, Minimize emissions</u>	<u>Y</u>	
<u>8-5-112.4</u>	<u>Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; Not to exceed 7 days</u>	<u>N</u>	
<u>8-5-112.5</u>	<u>Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; Self report if out of compliance during exemption period</u>	<u>N</u>	
<u>8-5-112.6</u>	<u>Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; Keep records for each exemption</u>	<u>N</u>	
<u>8-5-117</u>	<u>Limited Exemption, Low Vapor Pressure</u>	<u>N</u>	
<u>8-5-119</u>	<u>Limited Exemption, Repair Period for Enhanced Monitoring Program Tanks (Optional)</u>	<u>N</u>	
<u>8-5-301</u>	<u>Storage Tank Control Requirements</u>	<u>N</u>	
<u>8-5-304</u>	<u>Requirements for External Floating Roof Tanks</u>	<u>N</u>	
<u>8-5-304.1</u>	<u>Requirements for External Floating Roofs; Tank fittings</u>	<u>Y</u>	
<u>8-5-304.2</u>	<u>Requirements for External Floating Roofs; Primary seal (8-5-321)</u>	<u>Y</u>	
<u>8-5-304.3</u>	<u>Requirements for External Floating Roofs; Secondary seal (8-5-322)</u>	<u>Y</u>	
<u>8-5-304.4</u>	<u>Requirements for External Floating Roofs; Floating roof</u>	<u>N</u>	
<u>8-5-304.5</u>	<u>Requirements for External Floating Roofs; Tank shell</u>	<u>N</u>	

IV. Source-Specific Applicable Requirements

Table IV - BJ1
Source-Specific Applicable Requirements
MACT Group 1 External Floating Roof Tanks; with Permit Conditions
S-57, S-58 (TK-1701, TK-1702)
Refinery Crude Storage Tanks

Applicable Requirement	Regulation Title or Description of	Federally Enforceable (Y/N)	Future Effective Date
8-5-304.6	Requirements for External Floating Roofs; Pontoons – no leaks	<u>N</u>	
8-5-304.6.1	Requirements for External Floating Roofs; Pontoons – make gas tight if leaking	<u>N</u>	
8-5-304.6.2	Requirements for External Floating Roofs; Pontoons-repair all leaks at next removal from service	<u>N</u>	
8-5-320	Floating Roof Tank Fitting Requirements	<u>N</u>	
8-5-320.2	Floating Roof Tank Fitting Requirements; Projection below liquid surface	<u>N</u>	
8-5-320.3	Floating Roof Tank Fitting Requirements; Gasketed covers, seals, lids	<u>N</u>	
8-5-320.3.1	Floating Roof Tank Fitting Requirements; Gasketed covers, seals, lids - Gap requirements	<u>Y</u>	
8-5-320.5	Floating Roof Tank Fitting Requirements; Slotted sampling or gauging wells	<u>N</u>	
8-5-320.5.1	Floating Roof Tank Fitting Requirements; Slotted sampling or gauging wells -projection below liquid surface	<u>Y</u>	
8-5-320.5.2	Floating Roof Tank Fitting Requirements; Slotted sampling or gauging wells -cover, gasket, pole sleeve, pole wiper for EFR wells	<u>N</u>	
8-5-320.5.3	Floating Roof Tank Fitting Requirements; Slotted sampling or gauging wells-total secondary seal gap must include well gap	<u>Y</u>	
8-5-321	Primary Seal Requirements	<u>N</u>	
8-5-321.1	Primary Seal Requirements; No holes, tears, other openings	<u>Y</u>	
8-5-321.2	Primary Seal Requirements; The seal shall be metallic shoe or liquid mounted except as provided in 8-5-305.1.3	<u>Y</u>	
8-5-321.3	Primary Seal Requirements; Metallic-shoe-type seal requirements	<u>N</u>	
8-5-321.3.1	Primary Seal Requirements; Metallic-shoe-type seal requirements-- geometry of shoe	<u>Y</u>	
8-5-321.3.2	Primary Seal Requirements; Metallic-shoe-type seal requirements-- welded tanks	<u>Y</u>	
8-5-321.4	Primary Seal Requirements; Resilient-toroid-type seal gap requirements	<u>N</u>	
8-5-322	Secondary Seal Requirements	<u>N</u>	
8-5-322.1	Secondary Seal Requirements; No holes, tears, other openings	<u>Y</u>	
8-5-322.2	Secondary Seal Requirements; Insertion of probes	<u>Y</u>	
8-5-322.5	Secondary Seal Requirements; Gap requirements for welded external floating roof tanks with seals installed after 9/4/1985	<u>Y</u>	
8-5-322.6	Secondary Seal Requirements; Extent of seal	<u>Y</u>	
8-5-328	Tank Degassing Requirements	<u>N</u>	
8-5-331	Tank Cleaning Requirements, 90% Abatement Efficiency if	<u>N</u>	

IV. Source-Specific Applicable Requirements

Table IV - BJ1
Source-Specific Applicable Requirements
MACT Group 1 External Floating Roof Tanks; with Permit Conditions
S-57, S-58 (TK-1701, TK-1702)
Refinery Crude Storage Tanks

Applicable Requirement	Regulation Title or Description of	Federally Enforceable (Y/N)	Future Effective Date
	<u>abatement device used</u>		
<u>8-5-332</u>	<u>Sludge Handling Requirements (applies to sludge removed from any tank that was subject to BAAQMD 8-5 at any time since it was last put in service)</u>	<u>N</u>	
<u>8-5-401</u>	<u>Inspection Requirements for External Floating Roof Tanks</u>	<u>N</u>	
<u>8-5-401.1</u>	<u>Inspection Requirements for External Floating Roof Tanks; Primary and Secondary Seal Inspections</u>	<u>N</u>	
<u>8-5-401.2</u>	<u>Inspection Requirements for External Floating Roof Tanks; Tank Fittings Inspections</u>	<u>N</u>	
<u>8-5-411</u>	<u>Enhanced Monitoring Program (Optional)</u>	<u>N</u>	
<u>8-5-411.3</u>	<u>Enhanced Monitoring Program (Optional); Performance requirements</u>	<u>N</u>	
<u>8-5-412</u>	<u>Monitoring of Leaking Pontoons</u>	<u>N</u>	
<u>8-5-501</u>	<u>Records</u>	<u>N</u>	
<u>8-5-501.1</u>	<u>Records; Type and amounts of liquid, type of blanket gas, TVP- Retain 24 months</u>	<u>Y</u>	
<u>8-5-501.2</u>	<u>Records; Internal and External Floating Roof Tanks, Seal Replacement Records- Retain 10 years</u>	<u>Y</u>	
<u>8-5-501.3</u>	<u>Records; Retention</u>	<u>N</u>	
<u>8-5-602</u>	<u>Analysis of Samples, True Vapor Pressure</u>	<u>Y</u>	
<u>8-5-604</u>	<u>Determination of Applicability Based on True Vapor Pressure</u>	<u>Y</u>	
<u>8-5-605</u>	<u>Measurement of Leak Concentration and Residual Concentrations</u>	<u>N</u>	
<u>8-5-605.1</u>	<u>Measurement of Leak Concentration and Residual Concentrations; EPA Method 21 Instrument</u>	<u>N</u>	
<u>8-5-605.2</u>	<u>Measurement of Leak Concentration and Residual Concentrations; Test Methods</u>	<u>N</u>	
<u>8-5-606</u>	<u>Analysis of Samples, Tank Cleaning Agents</u>	<u>N</u>	
<u>8-5-606.1</u>	<u>Analysis of Samples, Tank Cleaning Agents; IBP</u>	<u>N</u>	
<u>8-5-606.2</u>	<u>Analysis of Samples, Tank Cleaning Agents; TVP</u>	<u>N</u>	
<u>8-5-606.3</u>	<u>Analysis of Samples, Tank Cleaning Agents; VOC</u>	<u>N</u>	
SIPBAAQMD · Regulation 8 · Rule 5	<u>Organic Compounds, Storage of Organic Liquids (06/05/200341/27/02)</u>		
<u>8-5-111</u>	<u>Limited Exemption, Tank Removal From and Return to Service</u>	<u>Y</u>	
<u>8-5-111.1</u>	<u>Limited Exemption, Tank Removal From and Return to Service; Notification</u>	<u>Y</u>	
<u>8-5-111.1.1</u>	<u>Limited Exemption, Tank Removal From and Return to Service; Notification, 3-day prior notification</u>	<u>Y</u>	
<u>8-5-111.1.2</u>	<u>Limited Exemption, Tank Removal From and Return to Service; Notification, Telephone notification</u>	<u>Y</u>	

IV. Source-Specific Applicable Requirements

Table IV - BJ1
Source-Specific Applicable Requirements
MACT Group 1 External Floating Roof Tanks; with Permit Conditions
S-57, S-58 (TK-1701, TK-1702)
Refinery Crude Storage Tanks

Applicable Requirement	Regulation Title or Description of	Federally Enforceable (Y/N)	Future Effective Date
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service, Tank in compliance prior to notification	Y	
8-5-111.3	Limited Exemption, Tank Removal From and Return to Service, Floating roof tanks	Y	
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service, Minimize emissions	Y	
8-5-111.6	Limited Exemption, Tank Removal From and Return to Service, Notice of completion not required	Y	
8-5-111.7	Limited Exemption, Tank Removal From and Return to Service, Satisfy requirements of 8-5-328	Y	
8-5-112	Limited Exemption, Tanks in Operation	Y	
8-5-112.1	Limited Exemption, Tanks in Operation, Notification	Y	
8-5-112.1.1	Limited Exemption, Tanks in Operation, Notification, 3-day prior notification	Y	
8-5-112.1.2	Limited Exemption, Tanks in Operation, Notification, Telephone notification	Y	
8-5-112.2	Limited Exemption, Tanks in Operation, Tank in compliance prior to start of work. Certified per 8-5-404	Y	
8-5-112.3	Limited Exemption, Tanks in Operation, No product movement, Minimize emissions	Y	
8-5-112.4	Limited Exemption, Tanks in Operation, Not to exceed 7 days	Y	
<u>8-5-117</u>	<u>Exemption, Low Vapor Pressure</u>	<u>Y</u>	
8-5-301	Storage Tank Control Requirements (internal floating roof, external floating roof, or approved emission control system)	Y	
8-5-304	Requirements for External Floating Roofs	Y	
8-5-304.1	Requirements for External Floating Roofs; Tank fitting requirements	Y	
8-5-304.2	Requirements for External Floating Roofs; Primary seal requirements	Y	
8-5-304.3	Requirements for External Floating Roofs; Secondary seal requirements	Y	
8-5-304.4	Requirements for External Floating Roofs; Floating roof requirements	Y	
8-5-320	Tank Fitting Requirements; Floating roof tanks	Y	
8-5-320.2	Tank Fitting Requirements; Floating roof tanks, Projection below liquid surface	Y	
8-5-320.3	Tank Fitting Requirements; Floating roof tanks, Gasketed covers, seals, lids	Y	

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Table IV - BJ1
Source-Specific Applicable Requirements
MACT Group 1 External Floating Roof Tanks; with Permit Conditions
S-57, S-58 (TK-1701, TK-1702)
Refinery Crude Storage Tanks

Applicable Requirement	Regulation Title or Description of	Federally Enforceable (Y/N)	Future Effective Date
8-5-320.3.1	Tank Fitting Requirements; Floating roof tanks, Gasketed covers, seals, lids—Gap requirements	Y	
8-5-320.5	Tank Fitting Requirements; Floating roof tanks, Slotted sampling or gauging well requirements in floating roof tanks	Y	
8-5-320.5.1	Tank Fitting Requirements; Floating roof tanks, Slotted sampling or gauging well requirements—projection below liquid surface	Y	
8-5-320.5.2	Tank Fitting Requirements; Floating roof tanks, Slotted sampling or gauging well requirements--cover, gasket, pole sleeve, pole wiper	Y	
8-5-320.5.3	Tank Fitting Requirements; Floating roof tanks, Slotted sampling or gauging well requirements—gap between well and roof	Y	
8-5-321	Primary Seal Requirements	Y	
8-5-321.1	Primary Seal Requirements; No holes, tears, other openings	Y	
8-5-321.2	Primary seal requirements; The seal shall be metallic shoe or liquid mounted except as provided in 8-5-305.1.3	Y	
<u>8-5-321.3</u>	<u>Primary Seal Requirements; Metallic-shoe-type seal requirements</u>	<u>Y</u>	
8-5-321.4	Primary Seal Requirements; Resilient-toroid-type seal requirements	Y	
8-5-322	Secondary Seal Requirements	Y	
8-5-322.1	Secondary Seal Requirements; No holes, tears, other openings	Y	
8-5-322.2	Secondary Seal Requirements; Insertion of probes	Y	
8-5-322.5	Secondary Seal Requirements; Welded external floating roof tanks with seals installed after 9/4/1985 or welded internal floating roof tanks with seals installed after 2/1/1993	Y	
8-5-322.6	Secondary Seal Requirements; Extent of seal	Y	
8-5-328	Tank Degassing Requirements	Y	
8-5-328.1	Tank Degassing Requirements; Tanks > 75 cubic meters	Y	
8-5-328.1.2	Tank Degassing Requirements; Tanks > 75 cubic meters, <u>Approved Emission Control System Concentration of <10,000 ppm as methane after degassing.</u>	Y	
8-5-328.2	Tank Degassing Requirements; Ozone Excess Day Prohibition	Y	
8-5-401	Inspection Requirements for External Floating Roof Tanks	Y	
8-5-401.1	Inspection Requirements for External Floating Roof Tanks; Primary and Secondary Seal Inspections	Y	
8-5-401.2	Inspection Requirements for External Floating Roof Tanks; Tank Fittings Inspections	Y	
8-5-404	Certification	Y	
8-5-405	Information Required	Y	
8-5-501	Records	Y	
8-5-501.1	Records; Type and amounts of liquid, type of blanket gas, TVP—	Y	

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Table IV - BJ1
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MACT Group 1 External Floating Roof Tanks; with Permit Conditions
S-57, S-58 (TK-1701, TK-1702)
Refinery Crude Storage Tanks

Applicable Requirement	Regulation Title or Description of	Federally Enforceable (Y/N)	Future Effective Date
	Retain 24 months		
8-5-501.2	Records; Internal and External Floating Roof Tanks, Seal Replacement Records—Retain 10 years	Y	
8-5-503	Portable Hydrocarbon Detector	Y	
8-5-602	Analysis of Samples, True Vapor Pressure	Y	
8-5-604	Determination of Applicability	Y	
NESHAPS Title 40 Part CFR 63 Subpart G	SOCMI HON G (06/23/2003) <u>Requirements for MACT Group 1 External Floating Roof Tanks</u>		
40 CFR 63.119(a)	Storage Vessel Provisions -- Reference Control Technology	Y	
40 CFR 63.119(a)(1)	Storage Vessel Provisions -- Reference Control Technology-- Group 1, TVP < 76.6 kPa	Y	
40 CFR 63.119(c)	Storage Vessel Provisions . Reference Control Technology-- External floating roof	Y	
40 CFR 63.119(c)(1)	Storage Vessel Provisions . Reference Control Technology-- External floating roof seals	Y	
40 CFR 63.119(c)(1)(i)	Storage Vessel Provisions . Reference Control Technology-- External floating roof double seals required	Y	
40 CFR 63.119(c)(1)(ii)	Storage Vessel Provisions . Reference Control Technology-- External floating roof primary seal requirements	Y	
40 CFR 63.119(c)(1)(iii)	Storage Vessel Provisions . Reference Control Technology-- External floating roof seal requirements	Y	
40 CFR 63.119(c)(3)	Storage Vessel Provisions . Reference Control Technology-- External floating roof--(roof must float on liquid)	Y	
40 CFR 63.119(c)(3)(i)	Storage Vessel Provisions . Reference Control Technology-- External floating roof exception	Y	
40 CFR 63.119(c)(3)(ii)	Storage Vessel Provisions . Reference Control Technology-- External floating roof exception	Y	
40 CFR 63.119(c)(3)(iii)	Storage Vessel Provisions . Reference Control Technology-- External floating roof exception	Y	
40 CFR 63.119(c)(4)	Storage Vessel Provisions . Reference Control Technology-- External Floating Roof Operations, when not floating	Y	
40 CFR 63.120(b)	Storage Vessel Provisions . Procedures to Determine Compliance--Compliance Demonstration--External floating roof	Y	
40 CFR 63.120(b)(1)	Storage Vessel Provisions . Procedures to Determine Compliance--External FR seal gap measurement	Y	
40 CFR 63.120(b)(1)(i)	Storage Vessel Provisions . Procedures to Determine Compliance--External FR with double seals primary seal gap measurement	Y	
40 CFR 63.120(b)(1)(iii)	Storage Vessel Provisions . Procedures to Determine Compliance--External FR with double seals secondary seal gap	Y	
40 CFR	Storage Vessel Provisions . Procedures to Determine	Y	

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Source-Specific Applicable Requirements
MACT Group 1 External Floating Roof Tanks; with Permit Conditions
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Refinery Crude Storage Tanks

Applicable Requirement	Regulation Title or Description of	Federally Enforceable (Y/N)	Future Effective Date
63.120(b)(1)(iv)	Compliance--External FR seal inspections prior to tank refill after service		
40 CFR 63.120(b)(2)	Storage Vessel Provisions . Procedures to Determine Compliance--External FR and seal gap determination methods	Y	
40 CFR 63.120(b)(2)(i)	Storage Vessel Provisions . Procedures to Determine Compliance--External FR and seal gap determination methods	Y	
40 CFR 63.120(b)(2)(ii)	Storage Vessel Provisions . Procedures to Determine Compliance--External FR and seal gap determination methods	Y	
40 CFR 63.120(b)(2)(iii)	Storage Vessel Provisions . Procedures to Determine Compliance--External FR and seal gap determination methods	Y	
40 CFR 63.120(b)(3)	Storage Vessel Provisions . Procedures to Determine Compliance--External FR primary seal gap calculation method	Y	
40 CFR 63.120(b)(4)	Storage Vessel Provisions . Procedures to Determine Compliance--External FR secondary seal gap calculation method	Y	
40 CFR 63.120(b)(5)	Storage Vessel Provisions . Procedures to Determine Compliance--External FR primary seal requirements	Y	
40 CFR 63.120(b)(5)(ii)	Storage Vessel Provisions . Procedures to Determine Compliance--External FR primary seal, no holes	Y	
40 CFR 63.120(b)(6)	Storage Vessel Provisions . Procedures to Determine Compliance--External FR secondary seal requirements	Y	
40 CFR 63.120(b)(6)(i)	Storage Vessel Provisions . Procedures to Determine Compliance--External FR secondary seal location	Y	
40 CFR 63.120(b)(6)(ii)	Storage Vessel Provisions . Procedures to Determine Compliance--External FR secondary seal, no holes	Y	
40 CFR 63.120(b)(7)	Storage Vessel Provisions . Procedures to Determine Compliance--External FR unsafe to perform seal measurements	Y	
40 CFR 63.120(b)(7)(i)	Storage Vessel Provisions . Procedures to Determine Compliance--External FR unsafe to perform seal measurements	Y	
40 CFR 63.120(b)(7)(ii)	Storage Vessel Provisions . Procedures to Determine Compliance--External FR unsafe to perform seal measurements	Y	
40 CFR 63.120(b)(8)	Storage Vessel Provisions -- Procedures to Determine Compliance External FR Repairs	Y	
40 CFR 63.120(b)(9)	Storage Vessel Provisions -- Procedures to Determine Compliance External FR seal gap measurement 30 day notification	Y	
40 CFR 63.120(b)(10)	Storage Vessel Provisions . Procedures to Determine Compliance--External FR and seals visual inspection each time emptied	Y	
40 CFR 63.120(b)(10)(i)	Storage Vessel Provisions . Procedures to Determine Compliance--External FR and seal repairs [does not apply to gaskets slotted membranes, or sleeve seals for Group 1 Refinery MACT per 40 CFR 63.646(e)	Y	

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MACT Group 1 External Floating Roof Tanks; with Permit Conditions
S-57, S-58 (TK-1701, TK-1702)
Refinery Crude Storage Tanks

Applicable Requirement	Regulation Title or Description of	Federally Enforceable (Y/N)	Future Effective Date
40 CFR 63.120(b)(10)(ii)	Storage Vessel Provisions . Procedures to Determine Compliance--External FR and seal inspections 30 day notification	Y	
40 CFR 63.120(b)(10)(iii)	Storage Vessel Provisions . Procedures to Determine Compliance--External FR and seal inspections -Notification for unplanned	Y	
40 CFR 63.123(a)	Storage Vessel Provisions . Recordkeeping--Group 1 and Group 2	Y	
40 CFR 63.123(d)	Storage Vessel Provisions . Recordkeeping--Group 1 External floating	Y	
40 CFR 63.123(g)	Storage Vessel Provisions -- Recordkeeping, Extensions	Y	
NESHAPS Title 40 Part-CFR 63 Subpart CC	NESHAPS for Petroleum Refineries (06/23/2003) Requirements for Group 1 External Floating Roof Tanks		
40 CFR 63.640(c)(2)	Applicability and Designation of Storage Vessels	Y	
40 CFR 63.646(a)	Storage Vessel Provisions--Group 1	Y	
40 CFR 63.646(b)(1)	Storage Vessel Provisions--Determine stored liquid % OHAP for group determination	Y	
40 CFR 63.646(b)(2)	Storage Vessel Provisions--Determine stored liquid % OHAP-method 18 to resolve disputes	Y	
40 CFR 63.646(c)	Storage Vessel Provisions--40 CFR 63 exclusions for storage vessels	Y	
40 CFR 63.646(d)(2)	Storage Vessel Provisions--References to April 22,1994	Y	
40 CFR 63.646(d)(3)	Storage Vessel Provisions--References to December 31, 1992	Y	
40 CFR 63.646(d)(4)	Storage Vessel Provisions--References to compliance dates in 63.100 of Subpart F	Y	
40 CFR 63.646(e)	Storage Vessel Provisions--Compliance with inspection requirements of 63.120 of Subpart G	Y	
40 CFR 63.646(f)	Storage Vessel Provisions--Group <u>1</u> floating roof requirements	Y	
40 CFR 63.646(f)(1)	Storage Vessel Provisions--Group <u>1</u> floating roof requirements--Cover or lid	Y	
40 CFR 63.646(f)(2)	Storage Vessel Provisions--Group <u>1</u> floating roof requirements--Rim space	Y	
40 CFR	Storage Vessel Provisions-Group <u>1</u> floating roof requirements--	Y	

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Table IV - BJ1
Source-Specific Applicable Requirements
MACT Group 1 External Floating Roof Tanks; with Permit Conditions
S-57, S-58 (TK-1701, TK-1702)
Refinery Crude Storage Tanks

Applicable Requirement	Regulation Title or Description of	Federally Enforceable (Y/N)	Future Effective Date
63.646(f)(3)	Automatic bleeder vents		
40 CFR 63.646(l)	Storage Vessel Provisions--State or local permitting agency notification requirements,.	Y	
40 CFR 63.654(f)	Reporting and Recordkeeping Requirements--Notice of compliance status report requirements	Y	
40 CFR 63.654(f)(1)(i)(A)	Reporting and Recordkeeping Requirements--Notice of compliance status report requirements--Reporting--storage vessels	Y	
40 CFR 63.654(f)(1)(i)(A)(1)	Reporting and Recordkeeping Requirements--Notice of compliance status report requirements--Reporting--storage vessels	Y	
40 CFR 63.654(g)(1)	Periodic Reporting and Recordkeeping Requirements--storage vessels	Y	
40 CFR 63.654(g)(3)	Periodic Reporting and Recordkeeping Requirements--storage vessels with external floating roofs	Y	
40 CFR 63.654(g)(3)(i)	Periodic Reporting and Recordkeeping Requirements--storage vessels with external floating roofs	Y	
40 CFR 63.654(g)(3)(i)(A)	Periodic Reporting and Recordkeeping Requirements--storage vessels with external floating roofs	Y	
40 CFR 63.654(g)(3)(i)(B)	Periodic Reporting and Recordkeeping Requirements--storage vessels with external floating roofs	Y	
40 CFR 63.654(g)(3)(i)(C)	Periodic Reporting and Recordkeeping Requirements--storage vessels with external floating roofs	Y	
40 CFR 63.654(g)(3)(i)(D)	Periodic Reporting and Recordkeeping Requirements--storage vessels with external floating roofs	Y	
40 CFR 63.654(g)(3)(ii)	Periodic Reporting and Recordkeeping Requirements--storage vessels with external floating roofs	Y	
40 CFR 63.654(g)(3)(iii)(B)	Periodic Reporting and Recordkeeping Requirements--storage vessels with external floating roofs	Y	
40 CFR 63.654(h)(2)	Reporting and Recordkeeping Requirements--Other reports--Storage vessel notification of inspections.	Y	
40 CFR 63.654(h)(2)(i)	Reporting and Recordkeeping Requirements--Other reports--Storage vessel notification of inspections.	Y	
40 CFR 63.654(h)(2)(i)(A)	Reporting and Recordkeeping Requirements--Other reports--Storage vessel notification of inspections.	Y	
40 CFR 63.654(h)(2)(i)(B)	Reporting and Recordkeeping Requirements--Other reports--Storage vessel notification of inspections.	Y	

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Table IV - BJ1
Source-Specific Applicable Requirements
MACT Group 1 External Floating Roof Tanks; with Permit Conditions
S-57, S-58 (TK-1701, TK-1702)
Refinery Crude Storage Tanks

Applicable Requirement	Regulation Title or Description of	Federally Enforceable (Y/N)	Future Effective Date
40 CFR 63.654(h)(2)(i)(C)	Reporting and Recordkeeping Requirements--Other reports-- Storage vessel notification of inspections.	Y	
40 CFR 63.654(h)(2)(ii)	Reporting and Recordkeeping Requirements--Other reports-- Storage vessel notification of inspections.	Y	
40 CFR 63.654(h)(6)	Reporting and Recordkeeping Requirements--Other reports--Determination of Applicability	Y	
40 CFR 63.654(h)(6)(ii)	Reporting and Recordkeeping Requirements--Other reports--Determination of Applicability	Y	
40 CFR 63.654(i)(1)	Reporting and Recordkeeping Requirements--Recordkeeping for storage vessels	Y	
40 CFR 63.654(i)(1)(i)	Reporting and Recordkeeping Requirements--Recordkeeping for storage vessels	Y	
<u>63.654(i)(1)(iv)</u>	<u>Reporting and Recordkeeping Requirements—Records for tank when in MACT Group 2 service</u>	<u>Y</u>	
<u>63.654(i)(4)</u>	<u>Reporting and Recordkeeping Requirements—Record retention</u>	<u>Y</u>	
BAAQMD Condition # 22333	<u>Applicable to S-57 only</u>		
Part 1	Tank 1701 (S-57) shall not be heated while storing "light" crude oil. [Basis: Cumulative Increase]	Y	
Part 2	The maximum vapor pressure of material stored in TK1701 shall not exceed 3.5 psi. [Basis: Cumulative Increase]	Y	

Table IV - J2
Source-Specific Applicable Requirements
External Floating Roof Tank
S-58 (TK-1702)

Applicable Requirement	Regulation Title or Description of	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD- Regulation 8 Rule-5	Organic Compounds, Storage of Organic Liquids (11/27/02)		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	

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Table IV–J2
Source-Specific Applicable Requirements
External Floating Roof Tank
S-58 (TK-1702)

Applicable Requirement	Regulation Title or Description of	Federally Enforceable (Y/N)	Future Effective Date
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service, Notification	Y	
8-5-111.1.1	Limited Exemption, Tank Removal From and Return to Service, Notification, 3 day prior notification	Y	
8-5-111.1.2	Limited Exemption, Tank Removal From and Return to Service, Notification, Telephone notification	Y	
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service, Tank in compliance prior to notification	Y	
8-5-111.3	Limited Exemption, Tank Removal From and Return to Service, Floating roof tanks	Y	
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service, Minimize emissions	Y	
8-5-111.6	Limited Exemption, Tank Removal From and Return to Service, Notice of completion not required	Y	
8-5-111.7	Limited Exemption, Tank Removal From and Return to Service, Satisfy requirements of 8-5-328	Y	
8-5-112	Limited Exemption, Tanks in Operation	Y	
8-5-112.1	Limited Exemption, Tanks in Operation, Notification	Y	
8-5-112.1.1	Limited Exemption, Tanks in Operation, Notification, 3 day prior notification	Y	
8-5-112.1.2	Limited Exemption, Tanks in Operation, Notification, Telephone notification	Y	
8-5-112.2	Limited Exemption, Tanks in Operation, Tank in compliance prior to start of work. Certified per 8-5-404	Y	
8-5-112.3	Limited Exemption, Tanks in Operation, No product movement, Minimize emissions	Y	
8-5-112.4	Limited Exemption, Tanks in Operation, Not to exceed 7 days	Y	
8-5-301	Storage Tank Control Requirements (internal floating roof, external floating roof, or approved emission control system)	Y	
8-5-304	Requirements for External Floating Roofs	Y	
8-5-304.1	Requirements for External Floating Roofs; Tank fitting requirements	Y	
8-5-304.2	Requirements for External Floating Roofs; Primary seal requirements	Y	
8-5-304.3	Requirements for External Floating Roofs; Secondary seal requirements	Y	
8-5-304.4	Requirements for External Floating Roofs; Floating roof requirements	Y	
8-5-320	Tank Fitting Requirements; Floating roof tanks	Y	
8-5-320.2	Tank Fitting Requirements; Floating roof tanks, Projection below	Y	

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Table IV–J2
Source-Specific Applicable Requirements
External Floating Roof Tank
S-58 (TK-1702)

Applicable Requirement	Regulation Title or Description of	Federally Enforceable (Y/N)	Future Effective Date
	liquid surface		
8-5-320.3	Tank Fitting Requirements; Floating-roof tanks, Gasketed covers, seals, lids	Y	
8-5-320.3.1	Tank Fitting Requirements; Floating-roof tanks, Gasketed covers, seals, lids—Gap requirements	Y	
8-5-320.5	Tank Fitting Requirements; Floating-roof tanks, Slotted-sampling or gauging-well requirements in floating-roof tanks	Y	
8-5-320.5.1	Tank Fitting Requirements; Floating-roof tanks, Slotted-sampling or gauging-well requirements—projection below liquid surface	Y	
8-5-320.5.2	Tank Fitting Requirements; Floating-roof tanks, Slotted-sampling or gauging-well requirements—cover, gasket, pole sleeve, pole wiper	Y	
8-5-320.5.3	Tank Fitting Requirements; Floating-roof tanks, Slotted-sampling or gauging-well requirements—gap between well and roof	Y	
8-5-321	Primary Seal Requirements	Y	
8-5-321.1	Primary Seal Requirements; No holes, tears, other openings	Y	
8-5-321.2	Primary seal requirements; The seal shall be metallic shoe or liquid mounted except as provided in 8-5-305.1.3	Y	
8-5-321.4	Primary Seal Requirements; Resilient toroid-type seal requirements	Y	
8-5-322	Secondary Seal Requirements	Y	
8-5-322.1	Secondary Seal Requirements; No holes, tears, other openings	Y	
8-5-322.2	Secondary Seal Requirements; Insertion of probes	Y	
8-5-322.5	Secondary Seal Requirements; Welded external floating-roof tanks with seals installed after 9/4/1985 or welded internal floating-roof tanks with seals installed after 2/1/1993	Y	
8-5-322.6	Secondary Seal Requirements; Extent of seal	Y	
8-5-328	Tank Degassing Requirements	Y	
8-5-328.1	Tank Degassing Requirements; Tanks > 75 cubic meters	Y	
8-5-328.1.2	Tank Degassing Requirements; Tanks > 75 cubic meters, Approved Emission Control System	Y	
8-5-328.2	Tank Degassing Requirements; Ozone Excess Day Prohibition	Y	
8-5-401	Inspection Requirements for External Floating Roof Tanks	Y	
8-5-401.1	Inspection Requirements for External Floating Roof Tanks; Primary and Secondary Seal Inspections	Y	
8-5-401.2	Inspection Requirements for External Floating Roof Tanks; Tank Fittings Inspections	Y	
8-5-404	Certification	Y	
8-5-405	Information Required	Y	
8-5-501	Records	Y	

IV. Source-Specific Applicable Requirements

Table IV--J2
Source-Specific Applicable Requirements
External Floating Roof Tank
S-58 (TK-1702)

Applicable Requirement	Regulation Title or Description of	Federally Enforceable (Y/N)	Future Effective Date
8-5-501.1	Records; Type and amounts of liquid, type of blanket gas, TVP—Retain 24 months	Y	
8-5-501.2	Records; Internal and External Floating Roof Tanks, Seal Replacement Records—Retain 10 years	Y	
8-5-503	Portable Hydrocarbon Detector	Y	
8-5-602	Analysis of Samples, True Vapor Pressure	Y	
8-5-604	Determination of Applicability	Y	
NESHAPS Title 40 Part 63 Subpart G	SOCMI HONG (06/23/2003)		
40 CFR 63.119(a)	Storage Vessel Provisions—Reference Control Technology	Y	
40 CFR 63.119(a)(1)	Storage Vessel Provisions—Reference Control Technology—Group 1, TVP < 76.6 kPa	Y	
40 CFR 63.119(e)	Storage Vessel Provisions—Reference Control Technology—External floating roof	Y	
40 CFR 63.119(e)(1)	Storage Vessel Provisions—Reference Control Technology—External floating roof seals	Y	
40 CFR 63.119(e)(1)(i)	Storage Vessel Provisions—Reference Control Technology—External floating roof double seals required	Y	
40 CFR 63.119(e)(1)(ii)	Storage Vessel Provisions—Reference Control Technology—External floating roof primary seal requirements	Y	
40 CFR 63.119(e)(1)(iii)	Storage Vessel Provisions—Reference Control Technology—External floating roof seal requirements	Y	
40 CFR 63.119(e)(3)	Storage Vessel Provisions—Reference Control Technology—External floating roof—(roof must float on liquid)	Y	
40 CFR 63.119(e)(3)(i)	Storage Vessel Provisions—Reference Control Technology—External floating roof exception	Y	
40 CFR 63.119(e)(3)(ii)	Storage Vessel Provisions—Reference Control Technology—External floating roof exception	Y	
40 CFR 63.119(e)(3)(iii)	Storage Vessel Provisions—Reference Control Technology—External floating roof exception	Y	
40 CFR 63.119(e)(4)	Storage Vessel Provisions—Reference Control Technology—External Floating Roof Operations, when not floating	Y	
40 CFR 63.120(b)	Storage Vessel Provisions—Procedures to Determine Compliance—Compliance Demonstration—External floating roof	Y	
40 CFR 63.120(b)(1)	Storage Vessel Provisions—Procedures to Determine Compliance—External FR seal gap measurement	Y	

IV. Source-Specific Applicable Requirements

**Table IV–J2
 Source-Specific Applicable Requirements
 External Floating Roof Tank
 S-58 (TK-1702)**

Applicable Requirement	Regulation Title or Description of	Federally Enforceable (Y/N)	Future Effective Date
40 CFR 63.120(b)(1)(i)	Storage Vessel Provisions . Procedures to Determine Compliance – External FR with double seals primary seal gap measurement	Y	
40 CFR 63.120(b)(1)(iii)	Storage Vessel Provisions . Procedures to Determine Compliance – External FR with double seals secondary seal gap	Y	
40 CFR 63.120(b)(1)(iv)	Storage Vessel Provisions . Procedures to Determine Compliance – External FR seal inspections prior to tank refill after service	Y	
40 CFR 63.120(b)(2)	Storage Vessel Provisions . Procedures to Determine Compliance – External FR and seal gap determination methods	Y	
40 CFR 63.120(b)(2)(i)	Storage Vessel Provisions . Procedures to Determine Compliance – External FR and seal gap determination methods	Y	
40 CFR 63.120(b)(2)(ii)	Storage Vessel Provisions . Procedures to Determine Compliance – External FR and seal gap determination methods	Y	
40 CFR 63.120(b)(2)(iii)	Storage Vessel Provisions . Procedures to Determine Compliance – External FR and seal gap determination methods Compliance – External FR primary seal gap calculation method	Y	
40 CFR 63.120(b)(3)	Storage Vessel Provisions . Procedures to Determine Compliance – External FR primary seal gap calculation method	Y	
40 CFR 63.120(b)(4)	Storage Vessel Provisions . Procedures to Determine Compliance – External FR secondary seal gap calculation method	Y	
40 CFR 63.120(b)(5)	Storage Vessel Provisions . Procedures to Determine Compliance – External FR primary seal requirements	Y	
40 CFR 63.120(b)(5)(ii)	Storage Vessel Provisions . Procedures to Determine Compliance – External FR primary seal, no holes	Y	
40 CFR 63.120(b)(6)	Storage Vessel Provisions . Procedures to Determine Compliance – External FR secondary seal requirements	Y	
40 CFR 63.120(b)(6)(i)	Storage Vessel Provisions . Procedures to Determine Compliance – External FR secondary seal location	Y	
40 CFR 63.120(b)(6)(ii)	Storage Vessel Provisions . Procedures to Determine Compliance – External FR secondary seal, no holes	Y	
40 CFR 63.120(b)(7)	Storage Vessel Provisions . Procedures to Determine Compliance – External FR unsafe to perform seal measurements	Y	
40 CFR 63.120(b)(7)(i)	Storage Vessel Provisions . Procedures to Determine Compliance – External FR unsafe to perform seal measurements	Y	
40 CFR 63.120(b)(7)(ii)	Storage Vessel Provisions . Procedures to Determine Compliance – External FR unsafe to perform seal measurements	Y	
40 CFR 63.120(b)(8)	Storage Vessel Provisions – Procedures to Determine Compliance External FR Repairs	Y	

IV. Source-Specific Applicable Requirements

Table IV–J2
Source-Specific Applicable Requirements
External Floating Roof Tank
S-58 (TK-1702)

Applicable Requirement	Regulation Title or Description of	Federally Enforceable (Y/N)	Future Effective Date
40 CFR 63.120(b)(9)	Storage Vessel Provisions—Procedures to Determine Compliance External FR seal gap measurement 30 day notification	Y	
40 CFR 63.120(b)(10)	Storage Vessel Provisions . Procedures to Determine Compliance—External FR and seals visual inspection each time emptied	Y	
40 CFR 63.120(b)(10)(i)	Storage Vessel Provisions . Procedures to Determine Compliance—External FR and seal repairs [does not apply to gaskets slotted membranes, or sleeve seals for Group 1 Refinery MACT per 40 CFR		
40 CFR 63.120(b)(10)(ii)	Storage Vessel Provisions . Procedures to Determine Compliance—External FR and seal inspections 30 day notification	Y	
40 CFR 63.120(b)(10)(iii)	Storage Vessel Provisions . Procedures to Determine Compliance—External FR and seal inspections Notification for unplanned	Y	Y
40 CFR 63.123(a)	Storage Vessel Provisions . Recordkeeping—Group 1 and Group 2	Y	
40 CFR 63.123(d)	Storage Vessel Provisions . Recordkeeping—Group 1 External floating	Y	
40 CFR 63.123(e)	Storage Vessel Provisions—Recordkeeping, Extensions	Y	
NESHAPS Title 40 Part 63 Subpart CC	NESHAPS for Petroleum Refineries (06/23/2003)		
40 CFR 63.640(e)(2)	Applicability and Designation of Storage Vessels	Y	
40 CFR 63.646(a)	Storage Vessel Provisions—Group 1	Y	
40 CFR 63.646(b)(1)	Storage Vessel Provisions—Determine stored liquid % OHAP for group determination	Y	
40 CFR 63.646(b)(2)	Storage Vessel Provisions—Determine stored liquid % OHAP method 18 to resolve disputes	Y	
40 CFR 63.646(e)	Storage Vessel Provisions—40 CFR 63 exclusions for storage vessels	Y	
40 CFR 63.646(d)(2)	Storage Vessel Provisions—References to April 22, 1994	Y	
40 CFR 63.646(d)(3)	Storage Vessel Provisions—References to December 31, 1992	Y	
40 CFR 63.646(d)(4)	Storage Vessel Provisions—References to compliance dates in 63.100 of Subpart F	Y	

IV. Source-Specific Applicable Requirements

Table IV–J2
Source-Specific Applicable Requirements
External Floating Roof Tank
S-58 (TK-1702)

Applicable Requirement	Regulation Title or Description of	Federally Enforceable (Y/N)	Future Effective Date
40 CFR 63.646(e)	Storage Vessel Provisions—Compliance with inspection requirements of 3.120 of Subpart G	Y	
40 CFR 63.646(f)	Storage Vessel Provisions—Group floating roof requirements	Y	
40 CFR 63.646(f)(1)	Storage Vessel Provisions—Group floating roof requirements—Cover or lid	Y	
40 CFR 63.646(f)(2)	Storage Vessel Provisions—Group floating roof requirements—Rim space	Y	
40 CFR 63.646(f)(3)	Storage Vessel Provisions—Group floating roof requirements—Automatic bleeder vents	Y	
40 CFR 63.646(l)	Storage Vessel Provisions—State or local permitting agency notification requirements.	Y	
40 CFR 63.654(f)	Reporting and Recordkeeping Requirements—Notice of compliance status report requirements	Y	
40 CFR 63.654(f)(1)(i)(A)	Reporting and Recordkeeping Requirements—Notice of compliance status report requirements—Reporting—storage vessels	Y	
40 CFR 63.654(f)(1)(i)(A)(1)	Reporting and Recordkeeping Requirements—Notice of compliance status report requirements—Reporting—storage vessels	Y	
40 CFR 63.654(g)(1)	Periodic Reporting and Recordkeeping Requirements—storage vessels	Y	
40 CFR 63.654(g)(3)	Periodic Reporting and Recordkeeping Requirements—storage vessels with external floating roofs	Y	
40 CFR 63.654(g)(3)(i)	Periodic Reporting and Recordkeeping Requirements—storage vessels with external floating roofs	Y	
40 CFR 63.654(g)(3)(i)(A)	Periodic Reporting and Recordkeeping Requirements—storage vessels with external floating roofs	Y	
40 CFR 63.654(g)(3)(i)(B)	Periodic Reporting and Recordkeeping Requirements—storage vessels with external floating roofs	Y	
40 CFR 63.654(g)(3)(i)(C)	Periodic Reporting and Recordkeeping Requirements—storage vessels with external floating roofs	Y	
40 CFR 63.654(g)(3)(i)(D)	Periodic Reporting and Recordkeeping Requirements—storage vessels with external floating roofs	Y	
40 CFR 63.654(g)(3)(ii)	Periodic Reporting and Recordkeeping Requirements—storage vessels with external floating roofs	Y	

IV. Source-Specific Applicable Requirements

Table IV--J2
Source-Specific Applicable Requirements
External Floating Roof Tank
S-58 (TK-1702)

Applicable Requirement	Regulation Title or Description of	Federally Enforceable (Y/N)	Future Effective Date
40 CFR 63.654(g)(3)(iii)	Periodic Reporting and Recordkeeping Requirements—storage vessels with external floating roofs	Y	
40 CFR 63.654(g)(3)(iii)(B)	Periodic Reporting and Recordkeeping Requirements—storage vessels with external floating roofs	Y	
40 CFR 63.654(h)(2)	Reporting and Recordkeeping Requirements—Other reports—Storage vessel notification of inspections.	Y	
40 CFR 63.654(h)(2)(i)	Reporting and Recordkeeping Requirements—Other reports—Storage vessel notification of inspections.	Y	
40 CFR 63.654(h)(2)(i)(A)	Reporting and Recordkeeping Requirements—Other reports—Storage vessel notification of inspections.	Y	
40 CFR 63.654(h)(2)(i)(B)	Reporting and Recordkeeping Requirements—Other reports—Storage vessel notification of inspections.	Y	
40 CFR 63.654(h)(2)(i)(C)	Reporting and Recordkeeping Requirements—Other reports—Storage vessel notification of inspections.	Y	
40 CFR 63.654(h)(2)(ii)	Reporting and Recordkeeping Requirements—Other reports—Storage vessel notification of inspections.	Y	
40 CFR 63.654(h)(6)	Reporting and Recordkeeping Requirements—Other reports—Determination of Applicability	Y	
40 CFR 63.654(h)(6)(ii)	Reporting and Recordkeeping Requirements—Other reports—Determination of Applicability	Y	
40 CFR 63.654(i)(1)	Reporting and Recordkeeping Requirements—Recordkeeping for storage vessels	Y	
40 CFR 63.654(i)(1)(i)	Reporting and Recordkeeping Requirements—Recordkeeping for storage vessels	Y	

Table IV - C-J3
Source-Specific Applicable Requirements
MACT Group 1 External Floating Roof Tanks
S-59, S-60, S-61, S-62 (TK-1703, TK-1704, TK-1705, TK-1706)
Refinery Crude Storage Tanks

IV. Source-Specific Applicable Requirements

Applicable Requirement	Regulation Title or Description of	Federally Enforceable (Y/N)	Future Effective Date
<u>BAAQMD · Regulation 8 Rule 5</u>	<u>Organic Compounds, Storage of Organic Liquids (10/18/2006)</u>		
<u>8-5-111</u>	<u>Limited Exemption, Tank Removal From and Return to Service</u>	<u>N</u>	
<u>8-5-111.1</u>	<u>Limited Exemption, Tank Removal From and Return to Service, Notification</u>	<u>Y</u>	
<u>8-5-111.2</u>	<u>Limited Exemption, Tank Removal From and Return to Service; Tank in compliance at time of notification</u>	<u>N</u>	
<u>8-5-111.3</u>	<u>Limited Exemption, Tank Removal From and Return to Service; Filling, emptying, refilling floating roof tanks</u>	<u>N</u>	
<u>8-5-111.5</u>	<u>Limited Exemption, Tank Removal From and Return to Service; Minimize emissions and, if required, degas per 8-5-328</u>	<u>N</u>	
<u>8-5-111.6</u>	<u>Limited Exemption, Tank Removal From and Return to Service; Self report if out of compliance during exemption period</u>	<u>N</u>	
<u>8-5-112</u>	<u>Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation</u>	<u>N</u>	
<u>8-5-112.1</u>	<u>Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; Notification</u>	<u>Y</u>	
<u>8-5-112.2</u>	<u>Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; Tank in compliance at time of notification</u>	<u>N</u>	
<u>8-5-112.3</u>	<u>Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; No product movement, Minimize emissions</u>	<u>Y</u>	
<u>8-5-112.4</u>	<u>Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; Not to exceed 7 days</u>	<u>N</u>	
<u>8-5-112.5</u>	<u>Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; Self report if out of compliance during exemption period</u>	<u>N</u>	
<u>8-5-112.6</u>	<u>Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; Keep records for each exemption</u>	<u>N</u>	
<u>8-5-117</u>	<u>Limited Exemption, Low Vapor Pressure</u>	<u>N</u>	
<u>8-5-119</u>	<u>Limited Exemption, Repair Period for Enhanced Monitoring Program Tanks (Optional)</u>	<u>N</u>	
<u>8-5-301</u>	<u>Storage Tank Control Requirements</u>	<u>N</u>	
<u>8-5-304</u>	<u>Requirements for External Floating Roof Tanks</u>	<u>N</u>	
<u>8-5-304.1</u>	<u>Requirements for External Floating Roofs; Tank fittings</u>	<u>Y</u>	
<u>8-5-304.2</u>	<u>Requirements for External Floating Roofs; Primary seal (8-5-321)</u>	<u>Y</u>	
<u>8-5-304.3</u>	<u>Requirements for External Floating Roofs; Secondary seal (8-5-322)</u>	<u>Y</u>	
<u>8-5-304.4</u>	<u>Requirements for External Floating Roofs; Floating roof</u>	<u>N</u>	
<u>8-5-304.5</u>	<u>Requirements for External Floating Roofs; Tank shell</u>	<u>N</u>	
<u>8-5-304.6</u>	<u>Requirements for External Floating Roofs; Pontoons – no leaks</u>	<u>N</u>	
<u>8-5-304.6.1</u>	<u>Requirements for External Floating Roofs; Pontoons – make gas tight if leaking</u>	<u>N</u>	
<u>8-5-304.6.2</u>	<u>Requirements for External Floating Roofs; Pontoons-repair all leaks at next removal from service</u>	<u>N</u>	
<u>8-5-320</u>	<u>Floating Roof Tank Fitting Requirements</u>	<u>N</u>	
<u>8-5-320.2</u>	<u>Floating Roof Tank Fitting Requirements; Projection below liquid</u>	<u>N</u>	

IV. Source-Specific Applicable Requirements

Table IV - C-J3
Source-Specific Applicable Requirements
MACT Group 1 External Floating Roof Tanks
S-59, S-60, S-61, S-62 (TK-1703, TK-1704, TK-1705, TK-1706)
Refinery Crude Storage Tanks

Applicable Requirement	Regulation Title or Description of	Federally Enforceable (Y/N)	Future Effective Date
	<u>surface</u>		
<u>8-5-320.3</u>	<u>Floating Roof Tank Fitting Requirements: Gasketed covers, seals, lids</u>	<u>N</u>	
<u>8-5-320.3.1</u>	<u>Floating Roof Tank Fitting Requirements: Gasketed covers, seals, lids - Gap requirements</u>	<u>Y</u>	
<u>8-5-320.5</u>	<u>Floating Roof Tank Fitting Requirements: Slotted sampling or gauging wells</u>	<u>N</u>	
<u>8-5-320.5.1</u>	<u>Floating Roof Tank Fitting Requirements: Slotted sampling or gauging wells -projection below liquid surface</u>	<u>Y</u>	
<u>8-5-320.5.2</u>	<u>Floating Roof Tank Fitting Requirements: Slotted sampling or gauging wells -cover, gasket, pole sleeve, pole wiper for EFR wells</u>	<u>N</u>	
<u>8-5-320.5.3</u>	<u>Floating Roof Tank Fitting Requirements: Slotted sampling or gauging wells-total secondary seal gap must include well gap</u>	<u>Y</u>	
<u>8-5-321</u>	<u>Primary Seal Requirements</u>	<u>N</u>	
<u>8-5-321.1</u>	<u>Primary Seal Requirements: No holes, tears, other openings</u>	<u>Y</u>	
<u>8-5-321.2</u>	<u>Primary Seal Requirements: The seal shall be metallic shoe or liquid mounted except as provided in 8-5-305.1.3</u>	<u>Y</u>	
<u>8-5-321.3</u>	<u>Primary Seal Requirements: Metallic-shoe-type seal requirements</u>	<u>N</u>	
<u>8-5-321.3.1</u>	<u>Primary Seal Requirements: Metallic-shoe-type seal requirements-- geometry of shoe</u>	<u>Y</u>	
<u>8-5-321.3.2</u>	<u>Primary Seal Requirements: Metallic-shoe-type seal requirements-- welded tanks</u>	<u>Y</u>	
<u>8-5-322</u>	<u>Secondary Seal Requirements</u>	<u>N</u>	
<u>8-5-322.1</u>	<u>Secondary Seal Requirements: No holes, tears, other openings</u>	<u>Y</u>	
<u>8-5-322.2</u>	<u>Secondary Seal Requirements: Insertion of probes</u>	<u>Y</u>	
<u>8-5-322.5</u>	<u>Secondary Seal Requirements: Gap requirements for welded external floating roof tanks with seals installed after 9/4/1985</u>	<u>Y</u>	
<u>8-5-322.6</u>	<u>Secondary Seal Requirements: Extent of seal</u>	<u>Y</u>	
<u>8-5-328</u>	<u>Tank Degassing Requirements</u>	<u>N</u>	
<u>8-5-331</u>	<u>Tank Cleaning Requirements, 90% Abatement Efficiency if abatement device used</u>	<u>N</u>	
<u>8-5-332</u>	<u>Sludge Handling Requirements (applies to sludge removed from any tank that was subject to BAAQMD 8-5 at any time since it was last put in service)</u>	<u>N</u>	
<u>8-5-401</u>	<u>Inspection Requirements for External Floating Roof Tanks</u>	<u>N</u>	
<u>8-5-401.1</u>	<u>Inspection Requirements for External Floating Roof Tanks: Primary and Secondary Seal Inspections</u>	<u>N</u>	
<u>8-5-401.2</u>	<u>Inspection Requirements for External Floating Roof Tanks: Tank Fittings Inspections</u>	<u>N</u>	

IV. Source-Specific Applicable Requirements

Table IV - C-J3
Source-Specific Applicable Requirements
MACT Group 1 External Floating Roof Tanks
S-59, S-60, S-61, S-62 (TK-1703, TK-1704, TK-1705, TK-1706)
Refinery Crude Storage Tanks

Applicable Requirement	Regulation Title or Description of	Federally Enforceable (Y/N)	Future Effective Date
<u>8-5-411</u>	<u>Enhanced Monitoring Program (Optional)</u>	<u>N</u>	
<u>8-5-411.3</u>	<u>Enhanced Monitoring Program (Optional); Performance requirements</u>	<u>N</u>	
<u>8-5-412</u>	<u>Monitoring of Leaking Pontoons</u>	<u>N</u>	
<u>8-5-501</u>	<u>Records</u>	<u>N</u>	
<u>8-5-501.1</u>	<u>Records; Type and amounts of liquid, type of blanket gas, TVP- Retain 24 months</u>	<u>Y</u>	
<u>8-5-501.2</u>	<u>Records; Internal and External Floating Roof Tanks, Seal Replacement Records- Retain 10 years</u>	<u>Y</u>	
<u>8-5-501.3</u>	<u>Records; Retention</u>	<u>N</u>	
<u>8-5-602</u>	<u>Analysis of Samples, True Vapor Pressure</u>	<u>Y</u>	
<u>8-5-604</u>	<u>Determination of Applicability Based on True Vapor Pressure</u>	<u>Y</u>	
<u>8-5-605</u>	<u>Measurement of Leak Concentration and Residual Concentrations</u>	<u>N</u>	
<u>8-5-605.1</u>	<u>Measurement of Leak Concentration and Residual Concentrations; EPA Method 21 Instrument</u>	<u>N</u>	
<u>8-5-605.2</u>	<u>Measurement of Leak Concentration and Residual Concentrations; Test Methods</u>	<u>N</u>	
<u>8-5-606</u>	<u>Analysis of Samples, Tank Cleaning Agents</u>	<u>N</u>	
<u>8-5-606.1</u>	<u>Analysis of Samples, Tank Cleaning Agents; IBP</u>	<u>N</u>	
<u>8-5-606.2</u>	<u>Analysis of Samples, Tank Cleaning Agents; TVP</u>	<u>N</u>	
<u>8-5-606.3</u>	<u>Analysis of Samples, Tank Cleaning Agents; VOC</u>	<u>N</u>	
<u>SIPBAAQMD</u> · Regulation 8 Rule 5	<u>Organic Compounds, Storage of Organic Liquids (06/05/200311/27/02)</u>		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service, Notification	Y	
8-5-111.1.1	Limited Exemption, Tank Removal From and Return to Service, Notification, 3 day prior notification	Y	
8-5-111.1.2	Limited Exemption, Tank Removal From and Return to Service, Notification, Telephone notification	Y	
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service, Tank in compliance prior to notification	Y	
8-5-111.3	Limited Exemption, Tank Removal From and Return to Service, Floating roof tanks	Y	
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service, Minimize emissions	Y	
8-5-111.6	Limited Exemption, Tank Removal From and Return to Service, Notice of completion not required	Y	

IV. Source-Specific Applicable Requirements

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Source-Specific Applicable Requirements
MACT Group 1 External Floating Roof Tanks
S-59, S-60, S-61, S-62 (TK-1703, TK-1704, TK-1705, TK-1706)
Refinery Crude Storage Tanks

Applicable Requirement	Regulation Title or Description of	Federally Enforceable (Y/N)	Future Effective Date
8-5-111.7	Limited Exemption, Tank Removal From and Return to Service, Satisfy requirements of 8-5-328	Y	
8-5-112	Limited Exemption, Tanks in Operation	Y	
8-5-112.1	Limited Exemption, Tanks in Operation, Notification	Y	
8-5-112.1.1	Limited Exemption, Tanks in Operation, Notification, 3-day prior notification	Y	
8-5-112.1.2	Limited Exemption, Tanks in Operation, Notification, Telephone notification	Y	
8-5-112.2	Limited Exemption, Tanks in Operation, Tank in compliance prior to start of work. Certified per 8-5-404	Y	
8-5-112.3	Limited Exemption, Tanks in Operation, No product movement, Minimize emissions	Y	
8-5-112.4	Limited Exemption, Tanks in Operation, Not to exceed 7 days	Y	
<u>8-5-117</u>	<u>Exemption, Low Vapor Pressure</u>	<u>Y</u>	
8-5-301	Storage Tank Control Requirements (internal floating roof, external floating roof, or approved emission control system)	Y	
8-5-304	Requirements for External Floating Roofs	Y	
8-5-304.1	Requirements for External Floating Roofs; Tank fitting requirements	Y	
8-5-304.2	Requirements for External Floating Roofs; Primary seal requirements	Y	
8-5-304.3	Requirements for External Floating Roofs; Secondary seal requirements	Y	
8-5-304.4	Requirements for External Floating Roofs; Floating roof requirements	Y	
8-5-320	Tank Fitting Requirements; Floating roof tanks	Y	
8-5-320.2	Tank Fitting Requirements; Floating roof tanks, Projection below liquid surface	Y	
8-5-320.3	Tank Fitting Requirements; Floating roof tanks, Gasketed covers, seals, lids	Y	
8-5-320.3.1	Tank Fitting Requirements; Floating roof tanks, Gasketed covers, seals, lids – Gap requirements	Y	
8-5-320.5	Tank Fitting Requirements; Floating roof tanks, Slotted sampling or gauging well requirements in floating roof tanks	Y	
8-5-320.5.1	Tank Fitting Requirements; Floating roof tanks, Slotted sampling or gauging well requirements – projection below liquid surface	Y	
8-5-320.5.2	Tank Fitting Requirements; Floating roof tanks, Slotted sampling or gauging well requirements--cover, gasket, pole sleeve, pole wiper	Y	
8-5-320.5.3	Tank Fitting Requirements; Floating roof tanks, Slotted sampling or gauging well requirements – gap between well and roof	Y	

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MACT Group 1 External Floating Roof Tanks
S-59, S-60, S-61, S-62 (TK-1703, TK-1704, TK-1705, TK-1706)
Refinery Crude Storage Tanks

Applicable Requirement	Regulation Title or Description of	Federally Enforceable (Y/N)	Future Effective Date
8-5-321	Primary Seal Requirements	Y	
8-5-321.1	Primary Seal Requirements; No holes, tears, other openings	Y	
8-5-321.2	Primary seal requirements; The seal shall be metallic shoe or liquid mounted except as provided in 8-5-305.1.3	Y	
8-5-321.3	Primary Seal Requirements; Metallic-shoe-type seal requirements	Y	
8-5-321.3.1	Primary Seal Requirements; Metallic shoe type seal requirements—geometry of shoe	Y	
8-5-321.3.2	Primary Seal Requirements; Metallic shoe type seal requirements—welded tanks	Y	
8-5-322	Secondary Seal Requirements	Y	
8-5-322.1	Secondary Seal Requirements; No holes, tears, other openings	Y	
8-5-322.2	Secondary Seal Requirements; Insertion of probes	Y	
8-5-322.5	Secondary Seal Requirements; Welded external floating roof tanks with seals installed after 9/4/1985 or welded internal floating roof tanks with seals installed after 2/1/1993	Y	
8-5-322.6	Secondary Seal Requirements; Extent of seal	Y	
8-5-328	Tank Degassing Requirements	Y	
8-5-328.1	Tank Degassing Requirements; Tanks > 75 cubic meters	Y	
8-5-328.1.2	Tank Degassing Requirements; Tanks > 75 cubic meters, <u>Approved Emission Control System Concentration of <10,000 pm as methane after degassing</u>	Y	
8-5-328.2	Tank Degassing Requirements; Ozone Excess Day Prohibition	Y	
8-5-401	Inspection Requirements for External Floating Roof Tanks	Y	
8-5-401.1	Inspection Requirements for External Floating Roof Tanks; Primary and Secondary Seal Inspections	Y	
8-5-401.2	Inspection Requirements for External Floating Roof Tanks; Tank Fittings Inspections	Y	
8-5-404	Certification	Y	
8-5-405	Information Required	Y	
8-5-501	Records	Y	
8-5-501.1	Records; Type and amounts of liquid, type of blanket gas, TVP—Retain 24 months	Y	
8-5-501.2	Records; Internal and External Floating Roof Tanks, Seal Replacement Records - Retain 10 years	Y	
8-5-503	Portable Hydrocarbon Detector	Y	
8-5-602	Analysis of Samples, True Vapor Pressure	Y	
8-5-604	Determination of Applicability	Y	
<u>NESHAPS Title 40 Part CFR 63 Subpart G</u>	<u>SOCMI HON G (06/23/2003) Requirements for MACT Group 1 External Floating Roof Tanks</u>		

IV. Source-Specific Applicable Requirements

Table IV - C-J3
Source-Specific Applicable Requirements
MACT Group 1 External Floating Roof Tanks
S-59, S-60, S-61, S-62 (TK-1703, TK-1704, TK-1705, TK-1706)
Refinery Crude Storage Tanks

Applicable Requirement	Regulation Title or Description of	Federally Enforceable (Y/N)	Future Effective Date
40 CFR 63.119(a)	Storage Vessel Provisions -- Reference Control Technology	Y	
40 CFR 63.119(a)(1)	Storage Vessel Provisions -- Reference Control Technology-- Group 1, TVP < 76.6 kPa	Y	
40 CFR 63.119(c)	Storage Vessel Provisions . Reference Control Technology-- External floating roof	Y	
40 CFR 63.119(c)(1)	Storage Vessel Provisions . Reference Control Technology-- External floating roof seals	Y	
40 CFR 63.119(c)(1)(i)	Storage Vessel Provisions . Reference Control Technology-- External floating roof double seals required	Y	
40 CFR 63.119(c)(1)(ii)	Storage Vessel Provisions . Reference Control Technology-- External floating roof primary seal requirements	Y	
40 CFR 63.119(c)(1)(iii)	Storage Vessel Provisions . Reference Control Technology-- External floating roof seal requirements	Y	
40 CFR 63.119(c)(3)	Storage Vessel Provisions . Reference Control Technology-- External floating roof--(roof must float on liquid)	Y	
40 CFR 63.119(c)(3)(i)	Storage Vessel Provisions . Reference Control Technology-- External floating roof exception	Y	
40 CFR 63.119(c)(3)(ii)	Storage Vessel Provisions . Reference Control Technology-- External floating roof exception	Y	
40 CFR 63.119(c)(3)(iii)	Storage Vessel Provisions . Reference Control Technology-- External floating roof exception	Y	
40 CFR 63.119(c)(4)	Storage Vessel Provisions . Reference Control Technology-- External Floating Roof Operations, when not floating	Y	
40 CFR 63.120(b)	Storage Vessel Provisions . Procedures to Determine Compliance--Compliance Demonstration--External floating roof	Y	
40 CFR 63.120(b)(1)	Storage Vessel Provisions . Procedures to Determine Compliance--External FR seal gap measurement	Y	
40 CFR 63.120(b)(1)(i)	Storage Vessel Provisions . Procedures to Determine Compliance--External FR with double seals primary seal gap measurement	Y	
40 CFR 63.120(b)(1)(iii)	Storage Vessel Provisions . Procedures to Determine Compliance--External FR with double seals secondary seal gap	Y	
40 CFR 63.120(b)(1)(iv)	Storage Vessel Provisions . Procedures to Determine Compliance--External FR seal inspections prior to tank refill after service	Y	
40 CFR 63.120(b)(2)	Storage Vessel Provisions . Procedures to Determine Compliance--External FR and seal gap determination methods	Y	
40 CFR 63.120(b)(2)(i)	Storage Vessel Provisions . Procedures to Determine Compliance--External FR and seal gap determination methods	Y	
40 CFR 63.120(b)(2)(ii)	Storage Vessel Provisions . Procedures to Determine Compliance--External FR and seal gap determination methods	Y	
40 CFR 63.120(b)(2)(iii)	Storage Vessel Provisions . Procedures to Determine Compliance--External FR and seal gap determination methods	Y	
40 CFR	Storage Vessel Provisions . Procedures to Determine	Y	

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Table IV - C-J3
Source-Specific Applicable Requirements
MACT Group 1 External Floating Roof Tanks
S-59, S-60, S-61, S-62 (TK-1703, TK-1704, TK-1705, TK-1706)
Refinery Crude Storage Tanks

Applicable Requirement	Regulation Title or Description of	Federally Enforceable (Y/N)	Future Effective Date
63.120(b)(3)	Compliance--External FR primary seal gap calculation method		
40 CFR 63.120(b)(4)	Storage Vessel Provisions . Procedures to Determine Compliance--External FR secondary seal gap calculation method	Y	
40 CFR 63.120(b)(5)	Storage Vessel Provisions . Procedures to Determine Compliance--External FR primary seal requirements	Y	
40 CFR 63.120(b)(5)(i)	Storage Vessel Provisions . Procedures to Determine Compliance--External FR primary seal requirements metallic shoe	Y	
40 CFR 63.120(b)(5)(ii)	Storage Vessel Provisions . Procedures to Determine Compliance--External FR primary seal, no holes	Y	
40 CFR 63.120(b)(6)	Storage Vessel Provisions . Procedures to Determine Compliance--External FR secondary seal requirements	Y	
40 CFR 63.120(b)(6)(i)	Storage Vessel Provisions . Procedures to Determine Compliance--External FR secondary seal location	Y	
40 CFR 63.120(b)(6)(ii)	Storage Vessel Provisions . Procedures to Determine Compliance--External FR secondary seal, no holes	Y	
40 CFR 63.120(b)(7)	Storage Vessel Provisions . Procedures to Determine Compliance--External FR unsafe to perform seal measurements	Y	
40 CFR 63.120(b)(7)(i)	Storage Vessel Provisions . Procedures to Determine Compliance--External FR unsafe to perform seal measurements	Y	
40 CFR 63.120(b)(7)(ii)	Storage Vessel Provisions . Procedures to Determine Compliance--External FR unsafe to perform seal measurements	Y	
40 CFR 63.120(b)(8)	Storage Vessel Provisions -- Procedures to Determine Compliance External FR Repairs	Y	
40 CFR 63.120(b)(9)	Storage Vessel Provisions -- Procedures to Determine Compliance External FR seal gap measurement 30 day notification	Y	
40 CFR 63.120(b)(10)	Storage Vessel Provisions . Procedures to Determine Compliance--External FR and seals visual inspection each time emptied	Y	
40 CFR 63.120(b)(10)(i)	Storage Vessel Provisions . Procedures to Determine Compliance--External FR and seal repairs [does not apply to gaskets slotted membranes, or sleeve seals for Group 1 Refinery MACT per 40 CFR 63.646(e)	Y	
40 CFR 63.120(b)(10)(ii)	Storage Vessel Provisions . Procedures to Determine Compliance--External FR and seal inspections 30 day notification	Y	
40 CFR 63.120(b)(10)(iii)	Storage Vessel Provisions . Procedures to Determine Compliance--External FR and seal inspections -Notification for unplanned	Y	
40 CFR 63.123(a)	Storage Vessel Provisions . Recordkeeping--Group 1 and Group 2	Y	
40 CFR 63.123(d)	Storage Vessel Provisions . Recordkeeping--Group 1 External floating	Y	
40 CFR 63.123(g)	Storage Vessel Provisions -- Recordkeeping, Extensions	Y	
NESHAPS Title 40 Part CFR 63 Subpart CC	NESHAPS for Petroleum Refineries (06/23/2003) Requirements for Group 1 External Floating Roof Tanks		

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Source-Specific Applicable Requirements
MACT Group 1 External Floating Roof Tanks
S-59, S-60, S-61, S-62 (TK-1703, TK-1704, TK-1705, TK-1706)
Refinery Crude Storage Tanks

Applicable Requirement	Regulation Title or Description of	Federally Enforceable (Y/N)	Future Effective Date
40 CFR 63.640(c)(2)	Applicability and Designation of Storage Vessels	Y	
40 CFR 63.646(a)	Storage Vessel Provisions--Group 1	Y	
40 CFR 63.646(b)(1)	Storage Vessel Provisions--Determine stored liquid % OHAP for group determination	Y	
40 CFR 63.646(b)(2)	Storage Vessel Provisions--Determine stored liquid % OHAP-method 18 to resolve disputes	Y	
40 CFR 63.646(c)	Storage Vessel Provisions--40 CFR 63 exclusions for storage vessels	Y	
40 CFR 63.646(d)(2)	Storage Vessel Provisions--References to April 22,1994	Y	
40 CFR 63.646(d)(3)	Storage Vessel Provisions--References to December 31, 1992	Y	
40 CFR 63.646(d)(4)	Storage Vessel Provisions--References to compliance dates in 63.100 of Subpart F	Y	
40 CFR 63.646(e)	Storage Vessel Provisions--Compliance with inspection requirements of 63.120 of Subpart G	Y	
40 CFR 63.646(f)	Storage Vessel Provisions--Group <u>1</u> floating roof requirements	Y	
40 CFR 63.646(f)(1)	Storage Vessel Provisions--Group <u>1</u> floating roof requirements--Cover or lid	Y	
40 CFR 63.646(f)(2)	Storage Vessel Provisions--Group <u>1</u> floating roof requirements--Rim space	Y	
40 CFR 63.646(f)(3)	Storage Vessel Provisions-Group <u>1</u> floating roof requirements--Automatic bleeder vents	Y	
40 CFR 63.646(l)	Storage Vessel Provisions--State or local permitting agency notification requirements,.	Y	
40 CFR 63.654(f)	Reporting and Recordkeeping Requirements--Notice of compliance status report requirements	Y	
40 CFR 63.654(f)(1)(i)(A)	Reporting and Recordkeeping Requirements--Notice of compliance status report requirements--Reporting--storage vessels	Y	
40 CFR 63.654(f)(1)(i)(A)(1)	Reporting and Recordkeeping Requirements--Notice of compliance status ements--Reporting--storage vessels	Y	
40 CFR 63.654(g)(1)	Periodic Reporting and Recordkeeping Requirements--storage vessels	Y	
40 CFR 63.654(g)(3)	Periodic Reporting and Recordkeeping Requirements--storage vessels with external floating roofs	Y	
40 CFR 63.654(g)(3)(i)	Periodic Reporting and Recordkeeping Requirements--storage vessels with external floating roofs	Y	
40 CFR 63.654(g)(3)(i)(A)	Periodic Reporting and Recordkeeping Requirements--storage vessels with external floating roofs	Y	
40 CFR 63.654(g)(3)(i)(B)	Periodic Reporting and Recordkeeping Requirements--storage vessels with external floating roofs	Y	
40 CFR 63.654(g)(3)(i)(C)	Periodic Reporting and Recordkeeping Requirements--storage vessels with external floating roofs	Y	

IV. Source-Specific Applicable Requirements

Table IV - C-J3
Source-Specific Applicable Requirements
MACT Group 1 External Floating Roof Tanks
S-59, S-60, S-61, S-62 (TK-1703, TK-1704, TK-1705, TK-1706)
Refinery Crude Storage Tanks

Applicable Requirement	Regulation Title or Description of	Federally Enforceable (Y/N)	Future Effective Date
40 CFR 63.654(g)(3)(i)(D)	Periodic Reporting and Recordkeeping Requirements--storage vessels with external floating roofs	Y	
40 CFR 63.654(g)(3)(ii)	Periodic Reporting and Recordkeeping Requirements--storage vessels with external floating roofs	Y	
40 CFR 63.654(g)(3)(iii)	Periodic Reporting and Recordkeeping Requirements--storage vessels with external floating roofs	Y	
40 CFR 63.654(g)(3)(iii)(B)	Periodic Reporting and Recordkeeping Requirements--storage vessels with external floating roofs	Y	
40 CFR 63.654(h)(2)	Reporting and Recordkeeping Requirements--Other reports--Storage vessel notification of inspections.	Y	
40 CFR 63.654(h)(2)(i)	Reporting and Recordkeeping Requirements--Other reports--Storage vessel notification of inspections.	Y	
40 CFR 63.654(h)(2)(i)(A)	Reporting and Recordkeeping Requirements--Other reports--Storage vessel notification of inspections.	Y	
40 CFR 63.654(h)(2)(i)(B)	Reporting and Recordkeeping Requirements--Other reports--Storage vessel notification of inspections.	Y	
40 CFR 63.654(h)(2)(i)(C)	Reporting and Recordkeeping Requirements--Other reports--Storage vessel notification of inspections.	Y	
40 CFR 63.654(h)(2)(ii)	Reporting and Recordkeeping Requirements--Other reports--Storage vessel notification of inspections.	Y	
40 CFR 63.654(h)(6)	Reporting and Recordkeeping Requirements--Other reports--Determination of Applicability	Y	
40 CFR 63.654(h)(6)(ii)	Reporting and Recordkeeping Requirements--Other reports--Determination of Applicability	Y	
40 CFR 63.654(i)(1)	Reporting and Recordkeeping Requirements--Recordkeeping for storage vessels	Y	
40 CFR 63.654(i)(1)(i)	Reporting and Recordkeeping Requirements--Recordkeeping for storage vessels	Y	
63.654(i)(1)(iv)	Reporting and Recordkeeping Requirements—Records for tank when in MACT Group 2 service	<u>Y</u>	
63.654(i)(4)	Reporting and Recordkeeping Requirements—Record retention	<u>Y</u>	

Table IV - DJ4
Source-Specific Applicable Requirements
MACT GROUP 2 EXTERNAL FLOATING ROOF TANKS
S-68 ,S-72 (TK-1716, TK-1720)

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

Table IV - DJ4
Source-Specific Applicable Requirements
MACT GROUP 2 EXTERNAL FLOATING ROOF TANKS
S-68, S-72 (TK-1716, TK-1720)

Applicable Requirement	Regulation Title or Description of	Federally Enforceable (Y/N)	Future Effective Date
<u>BAAQMD · Regulation 8 Rule 5</u>	<u>Organic Compounds, Storage of Organic Liquids (10/18/2006) Exempt</u>		
<u>8-5-117</u>	<u>Limited Exemption, Low Vapor Pressure</u>	<u>N</u>	
<u>BAAQMD SIP · Regulation 8 Rule 5</u>	<u>Organic Compounds, Storage of Organic Liquids (06/05/2003/11/27/02) Exempt</u>		
<u>8-5-117</u>	<u>Exemption, Low Vapor Pressure</u>	<u>Y</u>	
<u>8-5-111</u>	<u>Limited Exemption, Tank Removal From and Return to Service</u>	<u>Y</u>	
<u>8-5-111.1</u>	<u>Limited Exemption, Tank Removal From and Return to Service; Notification</u>	<u>Y</u>	
<u>8-5-111.1.1</u>	<u>Limited Exemption, Tank Removal From and Return to Service; Notification, 3 day prior notification</u>	<u>Y</u>	
<u>8-5-111.1.2</u>	<u>Limited Exemption, Tank Removal From and Return to Service; Notification, Telephone notification</u>	<u>Y</u>	
<u>8-5-111.2</u>	<u>Limited Exemption, Tank Removal From and Return to Service; Tank in compliance prior to notification</u>	<u>Y</u>	
<u>8-5-111.3</u>	<u>Limited Exemption, Tank Removal From and Return to Service; Floating roof tanks</u>	<u>Y</u>	
<u>8-5-111.5</u>	<u>Limited Exemption, Tank Removal From and Return to Service; Minimize emissions</u>	<u>Y</u>	
<u>8-5-111.6</u>	<u>Limited Exemption, Tank Removal From and Return to Service; Notice of completion not required</u>	<u>Y</u>	
<u>8-5-111.7</u>	<u>Limited Exemption, Tank Removal From and Return to Service; Satisfy requirements of 8-5-328</u>	<u>Y</u>	
<u>8-5-112</u>	<u>Limited Exemption, Tanks in Operation</u>	<u>Y</u>	
<u>8-5-112.1</u>	<u>Limited Exemption, Tanks in Operation, Notification</u>	<u>Y</u>	
<u>8-5-112.1.1</u>	<u>Limited Exemption, Tanks in Operation, Notification, 3 day prior notification</u>	<u>Y</u>	
<u>8-5-112.1.2</u>	<u>Limited Exemption, Tanks in Operation, Notification, Telephone notification</u>	<u>Y</u>	
<u>8-5-112.2</u>	<u>Limited Exemption, Tanks in Operation, Tank in compliance prior to start of work. Certified per 8-5-404</u>	<u>Y</u>	
<u>8-5-112.3</u>	<u>Limited Exemption, Tanks in Operation, No product movement; Minimize emissions</u>	<u>Y</u>	
<u>8-5-112.4</u>	<u>Limited Exemption, Tanks in Operation, Not to exceed 7 days</u>	<u>Y</u>	
<u>8-5-301</u>	<u>Storage Tank Control Requirements (internal floating roof, external floating roof, or approved emission control system)</u>	<u>Y</u>	
<u>8-5-304</u>	<u>Requirements for External Floating Roofs</u>	<u>Y</u>	
<u>8-5-304.1</u>	<u>Requirements for External Floating Roofs; Tank fitting requirements</u>	<u>Y</u>	

IV. Source-Specific Applicable Requirements

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Source-Specific Applicable Requirements
MACT GROUP 2 EXTERNAL FLOATING ROOF TANKS
S-68 ,S-72 (TK-1716,TK-1720)

Applicable Requirement	Regulation Title or Description of	Federally Enforceable (Y/N)	Future Effective Date
8-5-304.2	Requirements for External Floating Roofs; Primary seal requirements	Y	
8-5-304.3	Requirements for External Floating Roofs; Secondary seal requirements	Y	
8-5-304.4	Requirements for External Floating Roofs; Floating roof requirements	Y	
8-5-320	Tank Fitting Requirements; Floating roof tanks	Y	
8-5-320.2	Tank Fitting Requirements; Floating roof tanks, Projection below liquid surface	Y	
8-5-320.3	Tank Fitting Requirements; Floating roof tanks, Gasketed covers, seals, lids	Y	
8-5-320.3.1	Tank Fitting Requirements; Floating roof tanks, Gasketed covers, seals, lids—Gap requirements	Y	
8-5-320.4	Tank Fitting Requirements; Solid sampling or gauging well requirements in floating roof tanks	Y	
8-5-320.4.1	Tank Fitting Requirements; Solid sampling or gauging well requirements—projection below liquid surface	Y	
8-5-320.4.2	Tank Fitting Requirements; Solid sampling or gauging well requirements—cover, seal, or lid	Y	
8-5-320.4.3	Tank Fitting Requirements; Solid sampling or gauging well requirements—gap between well and roof	Y	
8-5-321	Primary Seal Requirements	Y	
8-5-321.1	Primary Seal Requirements; No holes, tears, other openings	Y	
8-5-321.2	Primary seal requirements; The seal shall be metallic shoe or liquid mounted except as provided in 8-5-305.1.3	Y	
8-5-321.3	Primary Seal Requirements; Metallic shoe type seal requirements	Y	
8-5-321.3.1	Primary Seal Requirements; Metallic shoe type seal requirements—geometry of shoe	Y	
8-5-321.3.2	Primary Seal Requirements; Metallic shoe type seal requirements—welded tanks	Y	
8-5-322	Secondary Seal Requirements	Y	
8-5-322.1	Secondary Seal Requirements; No holes, tears, other openings	Y	
8-5-322.2	Secondary Seal Requirements; Insertion of probes	Y	
8-5-322.3	Secondary seal requirements; Seal gaps (applicable as long as secondary seal is not zero gap seal as defined in 8-5-322.5)	Y	
8-5-322.5	Secondary seal requirements; Gap for welded external floating roof tanks with seal installed after September 4, 1985 (becomes applicable when secondary seal is considered newly installed and subject to zero gap seal gap requirements)	Y	
8-5-322.6	Secondary Seal Requirements; Extent of seal	Y	
8-5-328	Tank Degassing Requirements	Y	
8-5-328.1	Tank Degassing Requirements; Tanks > 75 cubic meters	Y	

IV. Source-Specific Applicable Requirements

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Source-Specific Applicable Requirements
MACT GROUP 2 EXTERNAL FLOATING ROOF TANKS
S-68, S-72 (TK-1716, TK-1720)

Applicable Requirement	Regulation Title or Description of	Federally Enforceable (Y/N)	Future Effective Date
8-5-328.1.2	Tank Degassing Requirements; Tanks > 75 cubic meters, Approved Emission Control System	Y	
8-5-328.2	Tank Degassing Requirements; Ozone Excess Day Prohibition	Y	
8-5-401	Inspection Requirements for External Floating Roof Tanks	Y	
8-5-401.1	Inspection Requirements for External Floating Roof Tanks; Primary and Secondary Seal Inspections	Y	
8-5-401.2	Inspection Requirements for External Floating Roof Tanks; Tank Fittings Inspections	Y	
8-5-404	Certification	Y	
8-5-405	Information Required	Y	
8-5-501	Records	Y	
8-5-501.1	Records; Type and amounts of liquid, type of blanket gas, TVP—Retain 24 months	Y	
8-5-501.2	Records; Internal and External Floating Roof Tanks, Seal Replacement Records—Retain 10 years	Y	
8-5-503	Portable Hydrocarbon Detector	Y	
8-5-602	Analysis of Samples, True Vapor Pressure	Y	
8-5-604	Determination of Applicability	Y	
NESHAPS Title 40 Part 63 Subpart G	SOCMI HON-G (06/23/2003)		
40 CFR 63.119(a)	Storage Vessel Provisions—Reference Control Technology	Y	
40 CFR 63.119(a)(1)	Storage Vessel Provisions—Reference Control Technology—Group 1, TVP < 76.6 kPa	Y	
40 CFR 63.119(e)	Storage Vessel Provisions—Reference Control Technology—External floating roof	Y	
40 CFR 63.119(e)(1)	Storage Vessel Provisions—Reference Control Technology—External floating roof seals	Y	
40 CFR 63.119(e)(1)(i)	Storage Vessel Provisions—Reference Control Technology—External floating roof double seals required	Y	
40 CFR 63.119(e)(1)(ii)	Storage Vessel Provisions—Reference Control Technology—External floating roof primary seal requirements	Y	
40 CFR 63.119(e)(1)(iii)	Storage Vessel Provisions—Reference Control Technology—External floating roof seal requirements	Y	
40 CFR 63.119(e)(3)	Storage Vessel Provisions—Reference Control Technology—External floating roof (roof must float on liquid)	Y	
40 CFR 63.119(e)(3)(i)	Storage Vessel Provisions—Reference Control Technology—External floating roof exception	Y	
40 CFR 63.119(e)(3)(ii)	Storage Vessel Provisions—Reference Control Technology—External floating roof exception	Y	

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Table IV - DJ4
Source-Specific Applicable Requirements
MACT GROUP 2 EXTERNAL FLOATING ROOF TANKS
S-68 ,S-72 (TK-1716, TK-1720)

Applicable Requirement	Regulation Title or Description of	Federally Enforceable (Y/N)	Future Effective Date
40 CFR 63.119(e)(3)(iii)	Storage Vessel Provisions - Reference Control Technology - External floating roof exception	Y	
40 CFR 63.119(e)(4)	Storage Vessel Provisions - Reference Control Technology - External Floating Roof Operations, when not floating	Y	
40 CFR 63.120(b)	Storage Vessel Provisions - Procedures to Determine Compliance - Compliance Demonstration - External floating roof	Y	
40 CFR 63.120(b)(1)	Storage Vessel Provisions - Procedures to Determine Compliance - External FR seal gap measurement	Y	
40 CFR 63.120(b)(1)(i)	Storage Vessel Provisions - Procedures to Determine Compliance - External FR with double seals primary seal gap measurement	Y	
40 CFR 63.120(b)(1)(iii)	Storage Vessel Provisions - Procedures to Determine Compliance - External FR with double seals secondary seal gap	Y	
40 CFR 63.120(b)(1)(iv)	Storage Vessel Provisions - Procedures to Determine Compliance - External FR seal inspections prior to tank refill after service	Y	
40 CFR 63.120(b)(2)	Storage Vessel Provisions - Procedures to Determine Compliance - External FR and seal gap determination methods	Y	
40 CFR 63.120(b)(2)(i)	Storage Vessel Provisions - Procedures to Determine Compliance - External FR and seal gap determination methods	Y	
40 CFR 63.120(b)(2)(ii)	Storage Vessel Provisions - Procedures to Determine Compliance - External FR and seal gap determination methods	Y	
40 CFR 63.120(b)(2)(iii)	Storage Vessel Provisions - Procedures to Determine Compliance - External FR and seal gap determination methods	Y	
40 CFR 63.120(b)(3)	Storage Vessel Provisions - Procedures to Determine Compliance - External FR primary seal gap calculation method	Y	
40 CFR 63.120(b)(4)	Storage Vessel Provisions - Procedures to Determine Compliance - External FR secondary seal gap calculation method	Y	
40 CFR 63.120(b)(5)	Storage Vessel Provisions - Procedures to Determine Compliance - External FR primary seal requirements	Y	
40 CFR 63.120(b)(5)(i)	Storage Vessel Provisions - Procedures to Determine Compliance - External FR primary seal requirements metallic shoe	Y	
40 CFR 63.120(b)(5)(ii)	Storage Vessel Provisions - Procedures to Determine Compliance - External FR primary seal, no holes	Y	
40 CFR 63.120(b)(6)	Storage Vessel Provisions - Procedures to Determine Compliance - External FR secondary seal requirements	Y	
40 CFR 63.120(b)(6)(i)	Storage Vessel Provisions - Procedures to Determine Compliance - External FR secondary seal location	Y	
40 CFR 63.120(b)(6)(ii)	Storage Vessel Provisions - Procedures to Determine Compliance - External FR secondary seal, no holes	Y	

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Source-Specific Applicable Requirements
MACT GROUP 2 EXTERNAL FLOATING ROOF TANKS
S-68, S-72 (TK-1716, TK-1720)

Applicable Requirement	Regulation Title or Description of	Federally Enforceable (Y/N)	Future Effective Date
40 CFR 63.120(b)(7)	Storage Vessel Provisions - Procedures to Determine Compliance - External FR unsafe to perform seal measurements	Y	
40 CFR 63.120(b)(7)(i)	Storage Vessel Provisions - Procedures to Determine Compliance - External FR unsafe to perform seal measurements	Y	
40 CFR 63.120(b)(7)(ii)	Storage Vessel Provisions - Procedures to Determine Compliance - External FR unsafe to perform seal measurements	Y	
40 CFR 63.120(b)(8)	Storage Vessel Provisions - Procedures to Determine Compliance - External FR Repairs	Y	
40 CFR 63.120(b)(9)	Storage Vessel Provisions - Procedures to Determine Compliance - External FR seal gap measurement 30 day notification	Y	
40 CFR 63.120(b)(10)	Storage Vessel Provisions - Procedures to Determine Compliance - External FR and seals visual inspection each time emptied	Y	
40 CFR 63.120(b)(10)(i)	Storage Vessel Provisions - Procedures to Determine Compliance - External FR and seal repairs [does not apply to gaskets slotted membranes, or sleeve seals for Group 1 Refinery MACT per 40 CFR	Y	
40 CFR 63.120(b)(10)(ii)	Storage Vessel Provisions - Procedures to Determine Compliance - External FR and seal inspections 30 day notification	Y	
40 CFR 63.120(b)(10)(iii)	Storage Vessel Provisions - Procedures to Determine Compliance - External FR and seal inspections - Notification for unplanned	Y	
40 CFR 63.123(a)	Storage Vessel Provisions - Recordkeeping - Group 1 and Group 2	Y	
40 CFR 63.123(d)	Storage Vessel Provisions - Recordkeeping - Group 1 External floating	Y	
40 CFR 63.123(e)	Storage Vessel Provisions - Recordkeeping, Extensions	Y	
<u>NESHAPS Title 40 Part CFR 63 Subpart CC</u>	<u>NESHAPS for Petroleum Refineries (06/23/2003) Requirements For Group II Storage Vessels</u>		
40 CFR 63.640(c)(2)	Applicability and Designation of Storage Vessels	Y	
63.641	<u>Definitions</u>	<u>Y</u>	
40 CFR 63.646(a)	Storage Vessel Provisions - Group 1	Y	
40 CFR 63.646(b)(1)	Storage Vessel Provisions--Determine stored liquid % OHAP for group determination	Y	
40 CFR 63.646(b)(2)	Storage Vessel Provisions--Determine stored liquid % OHAP-method 18 to resolve disputes	Y	
40 CFR 63.646(c)	Storage Vessel Provisions - 40 CFR 63 exclusions for storage	Y	

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Source-Specific Applicable Requirements
MACT GROUP 2 EXTERNAL FLOATING ROOF TANKS
S-68 ,S-72 (TK-1716, TK-1720)

Applicable Requirement	Regulation Title or Description of	Federally Enforceable (Y/N)	Future Effective Date
	vessels		
40 CFR 63.646(d)(2)	Storage Vessel Provisions—References to April 22,1994	Y	
40 CFR 63.646(d)(3)	Storage Vessel Provisions—References to December 31, 1992	Y	
40 CFR 63.646(d)(4)	Storage Vessel Provisions—References to compliance dates in 63.100 of Subpart F	Y	
40 CFR 63.646(e)	Storage Vessel Provisions—Compliance with inspection requirements of 63.120 of Subpart G	Y	
40 CFR 63.646(f)	Storage Vessel Provisions—Group floating roof requirements	Y	
40 CFR 63.646(f)(1)	Storage Vessel Provisions—Group floating roof requirements—Cover or lid	Y	
40 CFR 63.646(f)(2)	Storage Vessel Provisions—Group floating roof requirements—Rim space	Y	
40 CFR 63.646(f)(3)	Storage Vessel Provisions—Group floating roof requirements—Automatic bleeder vents	Y	
40 CFR 63.646(h)	Storage Vessel Provisions—State or local permitting agency notification requirements.	Y	
40 CFR 63.654(f)	Reporting and Recordkeeping Requirements—Notice of compliance status report requirements	Y	
40 CFR 63.654(f)(1)(i)(A)	Reporting and Recordkeeping Requirements—Notice of compliance status report requirements—Reporting—storage vessels	Y	
40 CFR 63.654(f)(1)(i)(A)(1)	Reporting and Recordkeeping Requirements—Notice of compliance status report requirements—Reporting—storage vessels (1)	Y	
40 CFR 63.654(g)(1)	Periodic Reporting and Recordkeeping Requirements—storage vessels	Y	
40 CFR 63.654(g)(3)	Periodic Reporting and Recordkeeping Requirements—storage vessels with external floating roofs	Y	
40 CFR 63.654(g)(3)(i)	Periodic Reporting and Recordkeeping Requirements—storage vessels with external floating roofs	Y	
40 CFR 63.654(g)(3)(i)(A)	Periodic Reporting and Recordkeeping Requirements—storage vessels with external floating roofs	Y	
40 CFR 63.654(g)(3)(i)(B)	Periodic Reporting and Recordkeeping Requirements—storage vessels with external floating roofs	Y	
40 CFR 63.654(g)(3)(i)(C)	Periodic Reporting and Recordkeeping Requirements—storage vessels with external floating roofs	Y	
40 CFR 63.654(g)(3)(i)(D)	Periodic Reporting and Recordkeeping Requirements—storage vessels with external floating roofs	Y	
40 CFR 63.654(g)(3)(ii)	Periodic Reporting and Recordkeeping Requirements—storage vessels with external floating roofs	Y	

IV. Source-Specific Applicable Requirements

Table IV - DJ4
Source-Specific Applicable Requirements
MACT GROUP 2 EXTERNAL FLOATING ROOF TANKS
S-68 ,S-72 (TK-1716,TK-1720)

Applicable Requirement	Regulation Title or Description of	Federally Enforceable (Y/N)	Future Effective Date
40 CFR 63.654(g)(3)(iii)	Periodic Reporting and Recordkeeping Requirements—storage vessels with external floating roofs	Y	
40 CFR 63.654(g)(3)(iii)(B)	Periodic Reporting and Recordkeeping Requirements—storage vessels with external floating roofs	Y	
40 CFR 63.654(h)(2)	Reporting and Recordkeeping Requirements—Other reports—Storage vessel notification of inspections.	Y	
40 CFR 63.654(h)(2)(i)	Reporting and Recordkeeping Requirements—Other reports—Storage vessel notification of inspections.	Y	
40 CFR 63.654(h)(2)(i)(A)	Reporting and Recordkeeping Requirements—Other reports—Storage vessel notification of inspections.	Y	
40 CFR 63.654(h)(2)(i)(B)	Reporting and Recordkeeping Requirements—Other reports—Storage vessel notification of inspections.	Y	
40 CFR 63.654(h)(2)(i)(C)	Reporting and Recordkeeping Requirements—Other reports—Storage vessel notification of inspections.	Y	
40 CFR 63.654(h)(2)(ii)	Reporting and Recordkeeping Requirements—Other reports—Storage vessel notification of inspections.	Y	
40 CFR 63.654(h)(6)	Reporting and Recordkeeping Requirements--Other reports--Determination of Applicability	Y	
40 CFR 63.654(h)(6)(ii)	Reporting and Recordkeeping Requirements--Other reports--Determination of Applicability	Y	
40 CFR 63.654(i)(1)	Reporting and Recordkeeping Requirements--Recordkeeping for storage vessels	Y	
40 CFR 63.654(i)(1)(i)	Reporting and Recordkeeping Requirements--Recordkeeping for storage vessels	Y	
<u>63.654(i)(1)(iv)</u>	<u>Reporting and Recordkeeping Requirements--Recordkeeping for storage vessels</u>	<u>Y</u>	
<u>63.654(i)(4)</u>	<u>Reporting and Recordkeeping Requirements—Record retention</u>	<u>Y</u>	
<u>BAAQMD Condition # 20762</u>			
<u>Part 1</u>	<u>Verify true vapor pressure (8-5-117)</u>	<u>Y</u>	
<u>Part 2</u>	<u>Comply with Regulation 8-5 when switching different service (Regulation 8, Rule 5)</u>	<u>Y</u>	
<u>Part 3</u>	<u>Recordkeeping (8-5-117)</u>	<u>Y</u>	

IV. Source-Specific Applicable Requirements

Table IV - EJ5
Source-Specific Applicable Requirements
MACT Group 1 External Floating Roof Tank
S-74 (TK-1734)

Applicable Requirement	Regulation Title or Description of	Federally Enforceable (Y/N)	Future Effective Date
<u>BAAQMD · Regulation 8 Rule 5</u>	<u>Organic Compounds, Storage of Organic Liquids (10/18/2006)</u>		
<u>8-5-111</u>	<u>Limited Exemption, Tank Removal From and Return to Service</u>	<u>N</u>	
<u>8-5-111.1</u>	<u>Limited Exemption, Tank Removal From and Return to Service, Notification</u>	<u>Y</u>	
<u>8-5-111.2</u>	<u>Limited Exemption, Tank Removal From and Return to Service; Tank in compliance at time of notification</u>	<u>N</u>	
<u>8-5-111.3</u>	<u>Limited Exemption, Tank Removal From and Return to Service; Filling, emptying, refilling floating roof tanks</u>	<u>Y</u>	
<u>8-5-111.5</u>	<u>Limited Exemption, Tank Removal From and Return to Service; Minimize emissions and, if required, degas per 8-5-328</u>	<u>N</u>	
<u>8-5-111.6</u>	<u>Limited Exemption, Tank Removal From and Return to Service; Self report if out of compliance during exemption period</u>	<u>N</u>	
<u>8-5-112</u>	<u>Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation</u>	<u>N</u>	
<u>8-5-112.1</u>	<u>Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; Notification</u>	<u>Y</u>	
<u>8-5-112.2</u>	<u>Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; Tank in compliance at time of notification</u>	<u>N</u>	
<u>8-5-112.3</u>	<u>Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; No product movement, Minimize emissions</u>	<u>Y</u>	
<u>8-5-112.4</u>	<u>Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; Not to exceed 7 days</u>	<u>N</u>	
<u>8-5-112.5</u>	<u>Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; Self report if out of compliance during exemption period</u>	<u>N</u>	
<u>8-5-112.6</u>	<u>Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; Keep records for each exemption</u>	<u>N</u>	
<u>8-5-117</u>	<u>Limited Exemption, Low Vapor Pressure</u>	<u>N</u>	
<u>8-5-119</u>	<u>Limited Exemption, Repair Period for Enhanced Monitoring Program Tanks (Optional)</u>	<u>N</u>	
<u>8-5-301</u>	<u>Storage Tank Control Requirements</u>	<u>N</u>	
<u>8-5-304</u>	<u>Requirements for External Floating Roof Tanks</u>	<u>N</u>	
<u>8-5-304.1</u>	<u>Requirements for External Floating Roofs; Tank fittings</u>	<u>Y</u>	
<u>8-5-304.2</u>	<u>Requirements for External Floating Roofs; Primary seal (8-5-321)</u>	<u>Y</u>	
<u>8-5-304.3</u>	<u>Requirements for External Floating Roofs; Secondary seal (8-5-322)</u>	<u>Y</u>	
<u>8-5-304.4</u>	<u>Requirements for External Floating Roofs; Floating roof</u>	<u>N</u>	
<u>8-5-304.5</u>	<u>Requirements for External Floating Roofs; Tank shell</u>	<u>N</u>	
<u>8-5-304.6</u>	<u>Requirements for External Floating Roofs; Pontoons – no leaks</u>	<u>N</u>	
<u>8-5-304.6.1</u>	<u>Requirements for External Floating Roofs; Pontoons – make gas tight if</u>	<u>N</u>	

IV. Source-Specific Applicable Requirements

Table IV - EJ5
Source-Specific Applicable Requirements
MACT Group 1 External Floating Roof Tank
S-74 (TK-1734)

Applicable Requirement	Regulation Title or Description of	Federally Enforceable (Y/N)	Future Effective Date
	<u>leaking</u>		
<u>8-5-304.6.2</u>	<u>Requirements for External Floating Roofs: Pontoons-repair all leaks at next removal from service</u>	<u>N</u>	
<u>8-5-320</u>	<u>Floating Roof Tank Fitting Requirements</u>	<u>N</u>	
<u>8-5-320.2</u>	<u>Floating Roof Tank Fitting Requirements; Projection below liquid surface</u>	<u>N</u>	
<u>8-5-320.3</u>	<u>Floating Roof Tank Fitting Requirements; Gasketed covers, seals, lids</u>	<u>N</u>	
<u>8-5-320.3.1</u>	<u>Floating Roof Tank Fitting Requirements; Gasketed covers, seals, lids - Gap requirements</u>	<u>Y</u>	
<u>8-5-320.4</u>	<u>Floating Roof Tank Fitting Requirements; Solid sampling or gauging wells--</u>	<u>Y</u>	
<u>8-5-320.4.1</u>	<u>Floating Roof Tank Fitting Requirements; Solid sampling or gauging wells--projection below liquid surface</u>	<u>Y</u>	
<u>8-5-320.4.2</u>	<u>Floating Roof Tank Fitting Requirements; Solid sampling or gauging wells--cover, seal, or lid</u>	<u>Y</u>	
<u>8-5-320.4.3</u>	<u>Floating Roof Tank Fitting Requirements; Solid sampling or gauging wells-- total secondary seal gap must include well gap</u>	<u>Y</u>	
<u>8-5-320.5</u>	<u>Floating Roof Tank Fitting Requirements; Slotted sampling or gauging wells</u>	<u>N</u>	
<u>8-5-320.5.1</u>	<u>Floating Roof Tank Fitting Requirements; Slotted sampling or gauging wells -projection below liquid surface</u>	<u>Y</u>	
<u>8-5-320.5.2</u>	<u>Floating Roof Tank Fitting Requirements; Slotted sampling or gauging wells -cover, gasket, pole sleeve, pole wiper for EFR wells</u>	<u>N</u>	
<u>8-5-320.5.3</u>	<u>Floating Roof Tank Fitting Requirements; Slotted sampling or gauging wells-total secondary seal gap must include well gap</u>	<u>Y</u>	
<u>8-5-321</u>	<u>Primary Seal Requirements</u>	<u>N</u>	
<u>8-5-321.1</u>	<u>Primary Seal Requirements; No holes, tears, other openings</u>	<u>Y</u>	
<u>8-5-321.2</u>	<u>Primary Seal Requirements; The seal shall be metallic shoe or liquid mounted except as provided in 8-5-305.1.3</u>	<u>Y</u>	
<u>8-5-321.3</u>	<u>Primary Seal Requirements; Metallic-shoe-type seal requirements</u>	<u>N</u>	
<u>8-5-321.3.1</u>	<u>Primary Seal Requirements; Metallic-shoe-type seal requirements-- geometry of shoe</u>	<u>Y</u>	
<u>8-5-321.3.2</u>	<u>Primary Seal Requirements; Metallic-shoe-type seal requirements-- welded tanks</u>	<u>Y</u>	
<u>8-5-322</u>	<u>Secondary Seal Requirements</u>	<u>N</u>	
<u>8-5-322.1</u>	<u>Secondary Seal Requirements; No holes, tears, other openings</u>	<u>Y</u>	
<u>8-5-322.2</u>	<u>Secondary Seal Requirements; Insertion of probes</u>	<u>Y</u>	
<u>8-5-322.5</u>	<u>Secondary Seal Requirements; Gap requirements for welded external floating roof tanks with seals installed after 9/4/1985</u>	<u>Y</u>	
<u>8-5-322.6</u>	<u>Secondary Seal Requirements; Extent of seal</u>	<u>Y</u>	

IV. Source-Specific Applicable Requirements

Table IV - EJ5
Source-Specific Applicable Requirements
MACT Group 1 External Floating Roof Tank
S-74 (TK-1734)

Applicable Requirement	Regulation Title or Description of	Federally Enforceable (Y/N)	Future Effective Date
<u>8-5-328</u>	<u>Tank Degassing Requirements</u>	<u>N</u>	
<u>8-5-331</u>	<u>Tank Cleaning Requirements, 90% Abatement Efficiency if abatement device used</u>	<u>N</u>	
<u>8-5-332</u>	<u>Sludge Handling Requirements (applies to sludge removed from any tank that was subject to BAAQMD 8-5 at any time since it was last put in service)</u>	<u>N</u>	
<u>8-5-401</u>	<u>Inspection Requirements for External Floating Roof Tanks</u>	<u>N</u>	
<u>8-5-401.1</u>	<u>Inspection Requirements for External Floating Roof Tanks; Primary and Secondary Seal Inspections</u>	<u>N</u>	
<u>8-5-401.2</u>	<u>Inspection Requirements for External Floating Roof Tanks; Tank Fittings Inspections</u>	<u>N</u>	
<u>8-5-411</u>	<u>Enhanced Monitoring Program (Optional)</u>	<u>N</u>	
<u>8-5-411.3</u>	<u>Enhanced Monitoring Program (Optional); Performance requirements</u>	<u>N</u>	
<u>8-5-412</u>	<u>Monitoring of Leaking Pontoons</u>	<u>N</u>	
<u>8-5-501</u>	<u>Records</u>	<u>N</u>	
<u>8-5-501.1</u>	<u>Records; Type and amounts of liquid, type of blanket gas, TVP- Retain 24 months</u>	<u>Y</u>	
<u>8-5-501.2</u>	<u>Records; Internal and External Floating Roof Tanks, Seal Replacement Records- Retain 10 years</u>	<u>Y</u>	
<u>8-5-501.3</u>	<u>Records; Retention</u>	<u>N</u>	
<u>8-5-602</u>	<u>Analysis of Samples, True Vapor Pressure</u>	<u>Y</u>	
<u>8-5-604</u>	<u>Determination of Applicability Based on True Vapor Pressure</u>	<u>Y</u>	
<u>8-5-605</u>	<u>Measurement of Leak Concentration and Residual Concentrations</u>	<u>N</u>	
<u>8-5-605.1</u>	<u>Measurement of Leak Concentration and Residual Concentrations; EPA Method 21 Instrument</u>	<u>N</u>	
<u>8-5-605.2</u>	<u>Measurement of Leak Concentration and Residual Concentrations; Test Methods</u>	<u>N</u>	
<u>8-5-606</u>	<u>Analysis of Samples, Tank Cleaning Agents</u>	<u>N</u>	
<u>8-5-606.1</u>	<u>Analysis of Samples, Tank Cleaning Agents; IBP</u>	<u>N</u>	
<u>8-5-606.2</u>	<u>Analysis of Samples, Tank Cleaning Agents; TVP</u>	<u>N</u>	
<u>8-5-606.3</u>	<u>Analysis of Samples, Tank Cleaning Agents; VOC</u>	<u>N</u>	
<u>BAAQMDSIP</u> · Regulation 8 Rule 5	<u>Organic Compounds, Storage of Organic Liquids (06/05/200311/27/02)</u>		
<u>8-5-111</u>	<u>Limited Exemption, Tank Removal From and Return to Service</u>	<u>Y</u>	
<u>8-5-111.1</u>	<u>Limited Exemption, Tank Removal From and Return to Service; Notification</u>	<u>Y</u>	
<u>8-5-111.1.1</u>	<u>Limited Exemption, Tank Removal From and Return to Service; Notification, 3 day prior notification</u>	<u>Y</u>	
<u>8-5-111.1.2</u>	<u>Limited Exemption, Tank Removal From and Return to Service;</u>	<u>Y</u>	

IV. Source-Specific Applicable Requirements

**Table IV - [EJ5](#)
 Source-Specific Applicable Requirements
[MACT Group 1](#) External Floating Roof Tank
 S-74 (TK-1734)**

Applicable Requirement	Regulation Title or Description of	Federally Enforceable (Y/N)	Future Effective Date
	Notification, Telephone notification		
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service, Tank in compliance prior to notification	Y	
8-5-111.3	Limited Exemption, Tank Removal From and Return to Service, Floating roof tanks	Y	
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service, Minimize emissions	Y	
8-5-111.6	Limited Exemption, Tank Removal From and Return to Service, Notice of completion not required	Y	
8-5-111.7	Limited Exemption, Tank Removal From and Return to Service, Satisfy requirements of 8-5-328	Y	
8-5-112	Limited Exemption, Tanks in Operation	Y	
8-5-112.1	Limited Exemption, Tanks in Operation, Notification	Y	
8-5-112.1.1	Limited Exemption, Tanks in Operation, Notification, 3 day prior notification	Y	
8-5-112.1.2	Limited Exemption, Tanks in Operation, Notification, Telephone notification	Y	
8-5-112.2	Limited Exemption, Tanks in Operation, Tank in compliance prior to start of work. Certified per 8-5-404	Y	
8-5-112.3	Limited Exemption, Tanks in Operation, No product movement, Minimize emissions	Y	
8-5-112.4	Limited Exemption, Tanks in Operation, Not to exceed 7 days	Y	
8-5-117	Exemption, Low Vapor Pressure	Y	
8-5-301	Storage Tank Control Requirements (internal floating roof, external floating roof, or approved emission control system)	Y	
8-5-304	Requirements for External Floating Roofs	Y	
8-5-304.1	Requirements for External Floating Roofs; Tank fitting requirements	Y	
8-5-304.2	Requirements for External Floating Roofs; Primary seal requirements	Y	
8-5-304.3	Requirements for External Floating Roofs; Secondary seal requirements	Y	
8-5-304.4	Requirements for External Floating Roofs; Floating roof requirements	Y	
8-5-320	Tank Fitting Requirements; Floating roof tanks	Y	
8-5-320.2	Tank Fitting Requirements; Floating roof tanks, Projection below liquid surface	Y	
8-5-320.3	Tank Fitting Requirements; Floating roof tanks, Gasketed covers, seals, lids	Y	
8-5-320.3.1	Tank Fitting Requirements; Floating roof tanks, Gasketed covers, seals, lids – Gap requirements	Y	
8-5-320.4	Tank Fitting Requirements; Solid sampling or gauging well requirements in floating roof tanks	Y	
8-5-320.4.1	Tank Fitting Requirements; Solid sampling or gauging well	Y	

IV. Source-Specific Applicable Requirements

Table IV - EJ5
Source-Specific Applicable Requirements
MACT Group 1 External Floating Roof Tank
S-74 (TK-1734)

Applicable Requirement	Regulation Title or Description of	Federally Enforceable (Y/N)	Future Effective Date
	requirements—projection below liquid surface		
8-5-320.4.2	Tank Fitting Requirements; Solid sampling or gauging well requirements—cover, seal, or lid	Y	
8-5-320.4.3	Tank Fitting Requirements; Solid sampling or gauging well requirements—gap between well and roof	Y	
<u>8-5-320.5</u>	<u>Tank Fitting Requirements; Floating roof tanks, Slotted sampling or gauging well requirements in floating roof tanks</u>	<u>Y</u>	
<u>8-5-320.5.2</u>	<u>Tank Fitting Requirements; Floating roof tanks, Slotted sampling or gauging well requirements--cover, gasket, pole sleeve, pole wiper</u>	<u>Y</u>	
8-5-321	Primary Seal Requirements	Y	
8-5-321.1	Primary Seal Requirements; No holes, tears, other openings	Y	
8-5-321.2	Primary seal requirements; The seal shall be metallic shoe or liquid mounted except as provided in 8-5-305.1.3	Y	
8-5-321.3	Primary Seal Requirements; Metallic-shoe-type seal requirements	Y	
8-5-321.3.1	Primary Seal Requirements; Metallic shoe type seal requirements--geometry of shoe	Y	
8-5-321.3.2	Primary Seal Requirements; Metallic shoe type seal requirements--welded tanks	Y	
8-5-322	Secondary Seal Requirements	Y	
8-5-322.1	Secondary Seal Requirements; No holes, tears, other openings	Y	
8-5-322.2	Secondary Seal Requirements; Insertion of probes	Y	
8-5-322.5	Secondary Seal Requirements; Welded external floating roof tanks with seals installed after 9/4/1985 or welded internal floating roof tanks with seals installed after 2/1/1993	Y	
8-5-322.6	Secondary Seal Requirements; Extent of seal	Y	
8-5-328	Tank Degassing Requirements	Y	
8-5-328.1	Tank Degassing Requirements; Tanks > 75 cubic meters	Y	
8-5-328.1.2	Tank Degassing Requirements; Tanks > 75 cubic meters, <u>Concentration of <10,000 pm as methane after degassing. Approved Emission Control System</u>	Y	
8-5-328.2	Tank Degassing Requirements; Ozone Excess Day Prohibition	Y	
8-5-401	Inspection Requirements for External Floating Roof Tanks	Y	
8-5-401.1	Inspection Requirements for External Floating Roof Tanks; Primary and Secondary Seal Inspections	Y	
8-5-401.2	Inspection Requirements for External Floating Roof Tanks; Tank Fittings Inspections	Y	
8-5-404	Certification	Y	
8-5-405	Information Required	Y	
8-5-501	Records	Y	
8-5-501.1	Records; Type and amounts of liquid, type of blanket gas, TVP--	Y	

IV. Source-Specific Applicable Requirements

Table IV - EJ5
Source-Specific Applicable Requirements
MACT Group 1 External Floating Roof Tank
S-74 (TK-1734)

Applicable Requirement	Regulation Title or Description of	Federally Enforceable (Y/N)	Future Effective Date
	Retain 24 months		
8-5-501.2	Records; Internal and External Floating Roof Tanks, Seal Replacement Records - Retain 10 years	Y	
8-5-503	Portable Hydrocarbon Detector	Y	
8-5-602	Analysis of Samples, True Vapor Pressure	Y	
8-5-604	Determination of Applicability	Y	
<u>NESHAPS Title 40 Part CFR 63 Subpart G</u>	<u>SOCMI HON G (12/21/2006/06/23/2003) Requirements For External Floating Roof Tanks Subject to 40 CFR 63 Subpart CC</u>		
40 CFR 63.119(a)	Storage Vessel Provisions -- Reference Control Technology	Y	
40 CFR 63.119(a)(1)	Storage Vessel Provisions -- Reference Control Technology--Group 1, TVP < 76.6 kPa	Y	
40 CFR 63.119(c)	Storage Vessel Provisions . Reference Control Technology--External floating roof	Y	
40 CFR 63.119(c)(1)	Storage Vessel Provisions . Reference Control Technology--External floating roof seals	Y	
40 CFR 63.119(c)(1)(i)	Storage Vessel Provisions . Reference Control Technology--External floating roof double seals required	Y	
40 CFR 63.119(c)(1)(ii)	Storage Vessel Provisions . Reference Control Technology--External floating roof primary seal requirements	Y	
40 CFR 63.119(c)(1)(iii)	Storage Vessel Provisions . Reference Control Technology--External floating roof seal requirements	Y	
40 CFR 63.119(c)(3)	Storage Vessel Provisions . Reference Control Technology--External floating roof--(roof must float on liquid)	Y	
40 CFR 63.119(c)(3)(i)	Storage Vessel Provisions . Reference Control Technology--External floating roof exception	Y	
40 CFR 63.119(c)(3)(ii)	Storage Vessel Provisions . Reference Control Technology--External floating roof exception	Y	
40 CFR 63.119(c)(3)(iii)	Storage Vessel Provisions . Reference Control Technology--External floating roof exception	Y	
40 CFR 63.119(c)(4)	Storage Vessel Provisions . Reference Control Technology--External Floating Roof Operations, when not floating	Y	
40 CFR 63.120(b)	Storage Vessel Provisions . Procedures to Determine Compliance--Compliance Demonstration--External floating roof	Y	
40 CFR 63.120(b)(1)	Storage Vessel Provisions . Procedures to Determine Compliance--External FR seal gap measurement	Y	
40 CFR 63.120(b)(1)(i)	Storage Vessel Provisions . Procedures to Determine Compliance--External FR with double seals primary seal gap measurement	Y	

IV. Source-Specific Applicable Requirements

Table IV - [EJ5](#)
Source-Specific Applicable Requirements
[MACT Group 1](#) External Floating Roof Tank
S-74 (TK-1734)

Applicable Requirement	Regulation Title or Description of	Federally Enforceable (Y/N)	Future Effective Date
40 CFR 63.120(b)(1)(iii)	Storage Vessel Provisions . Procedures to Determine Compliance--External FR with double seals secondary seal gap	Y	
40 CFR 63.120(b)(1)(iv)	Storage Vessel Provisions . Procedures to Determine Compliance--External FR seal inspections prior to tank refill after service	Y	
40 CFR 63.120(b)(2)	Storage Vessel Provisions . Procedures to Determine Compliance--External FR and seal gap determination methods	Y	
40 CFR 63.120(b)(2)(i)	Storage Vessel Provisions . Procedures to Determine Compliance--External FR and seal gap determination methods	Y	
40 CFR 63.120(b)(2)(ii)	Storage Vessel Provisions . Procedures to Determine Compliance--External FR and seal gap determination methods	Y	
40 CFR 63.120(b)(2)(iii)	Storage Vessel Provisions . Procedures to Determine Compliance--External FR and seal gap determination methods	Y	
40 CFR 63.120(b)(3)	Storage Vessel Provisions . Procedures to Determine Compliance--External FR primary seal gap calculation method	Y	
40 CFR 63.120(b)(4)	Storage Vessel Provisions . Procedures to Determine Compliance--External FR secondary seal gap calculation method	Y	
40 CFR 63.120(b)(5)	Storage Vessel Provisions . Procedures to Determine Compliance--External FR primary seal requirements	Y	
40 CFR 63.120(b)(5)(i)	Storage Vessel Provisions . Procedures to Determine Compliance--External FR primary seal requirements metallic shoe	Y	
40 CFR 63.120(b)(5)(ii)	Storage Vessel Provisions . Procedures to Determine Compliance--External FR primary seal, no holes	Y	
40 CFR 63.120(b)(6)	Storage Vessel Provisions . Procedures to Determine Compliance--External FR secondary seal requirements	Y	
40 CFR 63.120(b)(6)(i)	Storage Vessel Provisions . Procedures to Determine Compliance--External FR secondary seal location	Y	
40 CFR 63.120(b)(6)(ii)	Storage Vessel Provisions . Procedures to Determine Compliance--External FR secondary seal, no holes	Y	
40 CFR 63.120(b)(7)	Storage Vessel Provisions . Procedures to Determine Compliance--External FR unsafe to perform seal measurements	Y	
40 CFR 63.120(b)(7)(i)	Storage Vessel Provisions . Procedures to Determine Compliance--External FR unsafe to perform seal measurements	Y	
40 CFR 63.120(b)(7)(ii)	Storage Vessel Provisions . Procedures to Determine Compliance--External FR unsafe to perform seal measurements	Y	
40 CFR 63.120(b)(8)	Storage Vessel Provisions -- Procedures to Determine Compliance External FR Repairs	Y	
40 CFR 63.120(b)(9)	Storage Vessel Provisions -- Procedures to Determine Compliance External FR seal gap measurement 30 day notification	Y	
40 CFR	Storage Vessel Provisions . Procedures to Determine	Y	

IV. Source-Specific Applicable Requirements

Table IV - EJ5
Source-Specific Applicable Requirements
MACT Group 1 External Floating Roof Tank
S-74 (TK-1734)

Applicable Requirement	Regulation Title or Description of	Federally Enforceable (Y/N)	Future Effective Date
63.120(b)(10)	Compliance--External FR and seals visual inspection each time emptied		
40 CFR 63.120(b)(10)(i)	Storage Vessel Provisions . Procedures to Determine Compliance--External FR and seal repairs [does not apply to gaskets slotted membranes, or sleeve seals for Group 1 Refinery MACT per 40 CFR <u>63.646(e)</u>]	Y	
40 CFR 63.120(b)(10)(ii)	Storage Vessel Provisions . Procedures to Determine Compliance--External FR and seal inspections 30 day notification	Y	
40 CFR 63.120(b)(10)(iii)	Storage Vessel Provisions . Procedures to Determine Compliance--External FR and seal inspections -Notification for unplanned	Y	
40 CFR 63.123(a)	Storage Vessel Provisions . Recordkeeping--Group 1 and Group 2	Y	
40 CFR 63.123(d)	Storage Vessel Provisions . Recordkeeping--Group 1 External floating	Y	
40 CFR 63.123(g)	Storage Vessel Provisions -- Recordkeeping, Extensions	Y	
<u>NESHAP Title 40 Part CFR 63 Subpart CC</u>	<u>NESHAPS for Petroleum Refineries (06/23/2003) Requirements for Group 1 External Floating Roof Tanks</u>		
40 CFR 63.640(c)(2)	Applicability and Designation of Storage Vessels	Y	
40 CFR 63.646(a)	Storage Vessel Provisions--Group 1	Y	
40 CFR 63.646(b)(1)	Storage Vessel Provisions--Determine stored liquid % OHAP for group determination	Y	
40 CFR 63.646(b)(2)	Storage Vessel Provisions--Determine stored liquid % OHAP-method 18 to resolve disputes	Y	
40 CFR 63.646(c)	Storage Vessel Provisions--40 CFR 63 exclusions for storage vessels	Y	
40 CFR 63.646(d)(2)	Storage Vessel Provisions--References to April 22,1994	Y	
40 CFR 63.646(d)(3)	Storage Vessel Provisions--References to December 31, 1992	Y	
40 CFR 63.646(d)(4)	Storage Vessel Provisions--References to compliance dates in 63.100 of Subpart F	Y	
40 CFR 63.646(e)	Storage Vessel Provisions--Compliance with inspection requirements of 63.120 of Subpart G	Y	
40 CFR	Storage Vessel Provisions--Group <u>1</u> floating roof requirements	Y	

IV. Source-Specific Applicable Requirements

Table IV - EJ5
Source-Specific Applicable Requirements
MACT Group 1 External Floating Roof Tank
S-74 (TK-1734)

Applicable Requirement	Regulation Title or Description of	Federally Enforceable (Y/N)	Future Effective Date
63.646(f)			
40 CFR 63.646(f)(1)	Storage Vessel Provisions--Group <u>1</u> floating roof requirements--Cover or lid	Y	
40 CFR 63.646(f)(2)	Storage Vessel Provisions--Group <u>1</u> floating roof requirements--Rim space	Y	
40 CFR 63.646(f)(3)	Storage Vessel Provisions--Group <u>1</u> floating roof requirements--Automatic bleeder vents	Y	
40 CFR 63.646(l)	Storage Vessel Provisions--State or local permitting agency notification requirements,.	Y	
40 CFR 63.654(f)	Reporting and Recordkeeping Requirements--Notice of compliance status report requirements	Y	
40 CFR 63.654(f)(1)(i)(A)	Reporting and Recordkeeping Requirements--Notice of compliance status report requirements--Reporting--storage vessels	Y	
40 CFR 63.654(f)(1)(i)(A)(1)	Reporting and Recordkeeping Requirements--Notice of compliance status report requirements--Reporting--storage vessels	Y	
40 CFR 63.654(g)(1)	Periodic Reporting and Recordkeeping Requirements--storage vessels	Y	
40 CFR 63.654(g)(3)	Periodic Reporting and Recordkeeping Requirements--storage vessels with external floating roofs	Y	
40 CFR 63.654(g)(3)(i)	Periodic Reporting and Recordkeeping Requirements--storage vessels with external floating roofs	Y	
40 CFR 63.654(g)(3)(i)(A)	Periodic Reporting and Recordkeeping Requirements--storage vessels with external floating roofs	Y	
40 CFR 63.654(g)(3)(i)(B)	Periodic Reporting and Recordkeeping Requirements--storage vessels with external floating roofs	Y	
40 CFR 63.654(g)(3)(i)(C)	Periodic Reporting and Recordkeeping Requirements--storage vessels with external floating roofs	Y	
40 CFR 63.654(g)(3)(i)(D)	Periodic Reporting and Recordkeeping Requirements--storage vessels with external floating roofs	Y	
40 CFR 63.654(g)(3)(ii)	Periodic Reporting and Recordkeeping Requirements--storage vessels with external floating roofs	Y	
40 CFR 63.654(g)(3)(iii)	Periodic Reporting and Recordkeeping Requirements--storage vessels with external floating roofs	Y	
40 CFR 63.654(g)	Periodic Reporting and Recordkeeping Requirements--storage vessels with external floating roofs	Y	

IV. Source-Specific Applicable Requirements

Table IV - EJ5
Source-Specific Applicable Requirements
MACT Group 1 External Floating Roof Tank
S-74 (TK-1734)

Applicable Requirement	Regulation Title or Description of	Federally Enforceable (Y/N)	Future Effective Date
(3)(iii)(B)			
40 CFR 63.654(h)(2)	Reporting and Recordkeeping Requirements--Other reports--Storage vessel notification of inspections.	Y	
40 CFR 63.654(h)(2)(i)	Reporting and Recordkeeping Requirements--Other reports--Storage vessel notification of inspections.	Y	
40 CFR 63.654(h)(2)(i)(A)	Reporting and Recordkeeping Requirements--Other reports--Storage vessel notification of inspections.	Y	
40 CFR 63.654(h)(2)(i)(B)	Reporting and Recordkeeping Requirements--Other reports--Storage vessel notification of inspections.	Y	
40 CFR 63.654(h)(2)(i)(C)	Reporting and Recordkeeping Requirements--Other reports--Storage vessel notification of inspections.	Y	
40 CFR 63.654(h)(2)(ii)	Reporting and Recordkeeping Requirements--Other reports--Storage vessel notification of inspections.	Y	
40 CFR 63.654(h)(6)	Reporting and Recordkeeping Requirements--Other reports--Determination of Applicability	Y	
40 CFR 63.654(h)(6)(ii)	Reporting and Recordkeeping Requirements--Other reports--Determination of Applicability	Y	
40 CFR 63.654(i)(1)	Reporting and Recordkeeping Requirements--Recordkeeping for storage vessels	Y	
40 CFR 63.654(i)(1)(i)	Reporting and Recordkeeping Requirements--Recordkeeping for storage vessels	Y	
63.654(i)(1)(iv)	Reporting and Recordkeeping Requirements—Records for tank when in MACT Group 2 service	Y	
63.654(i)(4)	Reporting and Recordkeeping Requirements—Record retention	Y	

Table IV—J6
Source-Specific Applicable Requirements
External Floating Roof Tank
S-72 (TK-1720)

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

Table IV–J6
Source-Specific Applicable Requirements
External Floating Roof Tank
S-72 (TK-1720)

Applicable Requirement	Regulation Title or Description of	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD- Regulation 8 Rule 5	Organic Compounds, Storage of Organic Liquids (11/27/02)		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service, Notification	Y	
8-5-111.1.1	Limited Exemption, Tank Removal From and Return to Service, Notification, 3 day prior notification	Y	
8-5-111.1.2	Limited Exemption, Tank Removal From and Return to Service, Notification, Telephone notification	Y	
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service, Tank in compliance prior to notification	Y	
8-5-111.3	Limited Exemption, Tank Removal From and Return to Service, Floating roof tanks	Y	
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service, Minimize emissions	Y	
8-5-111.6	Limited Exemption, Tank Removal From and Return to Service, Notice of completion not required	Y	
8-5-111.7	Limited Exemption, Tank Removal From and Return to Service, Satisfy requirements of 8-5-328	Y	
8-5-112	Limited Exemption, Tanks in Operation	Y	
8-5-112.1	Limited Exemption, Tanks in Operation, Notification	Y	
8-5-112.1.1	Limited Exemption, Tanks in Operation, Notification, 3 day prior notification	Y	
8-5-112.1.2	Limited Exemption, Tanks in Operation, Notification, Telephone notification	Y	
8-5-112.2	Limited Exemption, Tanks in Operation, Tank in compliance prior to start of work. Certified per 8-5-404	Y	
8-5-112.3	Limited Exemption, Tanks in Operation, No product movement, Minimize emissions	Y	
8-5-112.4	Limited Exemption, Tanks in Operation, Not to exceed 7 days	Y	
8-5-301	Storage Tank Control Requirements (internal floating roof, external floating roof, or approved emission control system)	Y	
8-5-304	Requirements for External Floating Roofs	Y	
8-5-304.1	Requirements for External Floating Roofs; Tank fitting requirements	Y	
8-5-304.2	Requirements for External Floating Roofs; Primary seal requirements	Y	
8-5-304.3	Requirements for External Floating Roofs; Secondary seal requirements	Y	
8-5-304.4	Requirements for External Floating Roofs; Floating roof requirements	Y	
8-5-320	Tank Fitting Requirements; Floating roof tanks	Y	

IV. Source-Specific Applicable Requirements

Table IV—J6
Source-Specific Applicable Requirements
External Floating Roof Tank
S-72 (TK-1720)

Applicable Requirement	Regulation Title or Description of	Federally Enforceable (Y/N)	Future Effective Date
8-5-320.2	Tank Fitting Requirements; Floating roof tanks, Projection below liquid surface	Y	
8-5-320.3	Tank Fitting Requirements; Floating roof tanks, Gasketed covers, seals, lids	Y	
8-5-320.3.1	Tank Fitting Requirements; Floating roof tanks, Gasketed covers, seals, lids—Gap requirements	Y	
8-5-320.5	Tank Fitting Requirements; Floating roof tanks, Slotted sampling or gauging well requirements in floating roof tanks	Y	
8-5-320.5.1	Tank Fitting Requirements; Floating roof tanks, Slotted sampling or gauging well requirements—projection below liquid surface	Y	
8-5-320.5.2	Tank Fitting Requirements; Floating roof tanks, Slotted sampling or gauging well requirements—cover, gasket, pole sleeve, pole wiper	Y	
8-5-320.5.3	Tank Fitting Requirements; Floating roof tanks, Slotted sampling or gauging well requirements—gap between well and roof	Y	
8-5-321	Primary Seal Requirements	Y	
8-5-321.1	Primary Seal Requirements; No holes, tears, other openings	Y	
8-5-321.2	Primary seal requirements; The seal shall be metallic shoe or liquid mounted except as provided in 8-5-305.1.3	Y	
8-5-321.4	Primary Seal Requirements; Resilient toroid type seal requirements	Y	
8-5-322	Secondary Seal Requirements	Y	
8-5-322.1	Secondary Seal Requirements; No holes, tears, other openings	Y	
8-5-322.2	Secondary Seal Requirements; Insertion of probes	Y	
8-5-322.5	Secondary Seal Requirements; Welded external floating roof tanks with seals installed after 9/4/1985 or welded internal floating roof tanks with seals installed after 2/1/1993	Y	
8-5-322.6	Secondary Seal Requirements; Extent of seal	Y	
8-5-328	Tank Degassing Requirements	Y	
8-5-328.1	Tank Degassing Requirements; Tanks > 75 cubic meters	Y	
8-5-328.1.2	Tank Degassing Requirements; Tanks > 75 cubic meters, Approved Emission Control System	Y	
8-5-328.2	Tank Degassing Requirements; Ozone Excess Day Prohibition	Y	
8-5-401	Inspection Requirements for External Floating Roof Tanks	Y	
8-5-401.1	Inspection Requirements for External Floating Roof Tanks; Primary and Secondary Seal Inspections	Y	
8-5-401.2	Inspection Requirements for External Floating Roof Tanks; Tank Fittings Inspections	Y	
8-5-404	Certification	Y	
8-5-405	Information Required	Y	
8-5-501	Records	Y	
8-5-501.1	Records; Type and amounts of liquid, type of blanket gas, TVP—Retain 24 months	Y	
8-5-501.2	Records; Internal and External Floating Roof Tanks, Seal Replacement Records—Retain 10 years	Y	

IV. Source-Specific Applicable Requirements

Table IV–J6
Source-Specific Applicable Requirements
External Floating Roof Tank
S-72 (TK-1720)

Applicable Requirement	Regulation Title or Description of	Federally Enforceable (Y/N)	Future Effective Date
8-5-503	Portable Hydrocarbon Detector	Y	
8-5-602	Analysis of Samples, True Vapor Pressure	Y	
8-5-604	Determination of Applicability	Y	
NESHAPS Title 40 Part 63 Subpart G	SOCMI HON G (06/23/2003)		
40 CFR 63.119(a)	Storage Vessel Provisions—Reference Control Technology	Y	
40 CFR 63.119(a)(1)	Storage Vessel Provisions—Reference Control Technology—Group 1, TVP < 76.6 kPa	Y	
40 CFR 63.119(e)	Storage Vessel Provisions . Reference Control Technology—External floating roof	Y	
40 CFR 63.119(e)(1)	Storage Vessel Provisions . Reference Control Technology—External floating roof seals	Y	
40 CFR 63.119(e)(1)(i)	Storage Vessel Provisions . Reference Control Technology—External floating roof double seals required	Y	
40 CFR 63.119(e)(1)(ii)	Storage Vessel Provisions . Reference Control Technology—External floating roof primary seal requirements	Y	
40 CFR 63.119(e)(1)(iii)	Storage Vessel Provisions . Reference Control Technology—External floating roof seal requirements	Y	
40 CFR 63.119(e)(3)	Storage Vessel Provisions . Reference Control Technology—External floating roof (roof must float on liquid)	Y	
40 CFR 63.119(e)(3)(i)	Storage Vessel Provisions . Reference Control Technology—External floating roof exception	Y	
40 CFR 63.119(e)(3)(ii)	Storage Vessel Provisions . Reference Control Technology—External floating roof exception	Y	
40 CFR 63.119(e)(3)(iii)	Storage Vessel Provisions . Reference Control Technology—External floating roof exception	Y	
40 CFR 63.119(e)(4)	Storage Vessel Provisions . Reference Control Technology—External Floating Roof Operations, when not floating	Y	
40 CFR 63.120(b)	Storage Vessel Provisions . Procedures to Determine Compliance—Compliance Demonstration—External floating roof	Y	
40 CFR 63.120(b)(1)	Storage Vessel Provisions . Procedures to Determine Compliance—External FR seal gap measurement	Y	
40 CFR 63.120(b)(1)(i)	Storage Vessel Provisions . Procedures to Determine Compliance—External FR with double seals primary seal gap measurement	Y	

IV. Source-Specific Applicable Requirements

Table IV–J6
Source-Specific Applicable Requirements
External Floating Roof Tank
S-72 (TK-1720)

Applicable Requirement	Regulation Title or Description of	Federally Enforceable (Y/N)	Future Effective Date
40 CFR 63.120(b)(1)(iii)	Storage Vessel Provisions . Procedures to Determine Compliance External FR with double seals secondary seal gap	Y	
40 CFR 63.120(b)(1)(iv)	Storage Vessel Provisions . Procedures to Determine Compliance External FR seal inspections prior to tank refill after service	Y	
40 CFR 63.120(b)(2)	Storage Vessel Provisions . Procedures to Determine Compliance External FR and seal gap determination methods	Y	
40 CFR 63.120(b)(2)(i)	Storage Vessel Provisions . Procedures to Determine Compliance External FR and seal gap determination methods	Y	
40 CFR 63.120(b)(2)(ii)	Storage Vessel Provisions . Procedures to Determine Compliance External FR and seal gap determination methods	Y	
40 CFR 63.120(b)(2)(iii)	Storage Vessel Provisions . Procedures to Determine Compliance External FR and seal gap determination methods	Y	
40 CFR 63.120(b)(3)	Storage Vessel Provisions . Procedures to Determine Compliance External FR primary seal gap calculation method	Y	
40 CFR 63.120(b)(4)	Storage Vessel Provisions . Procedures to Determine Compliance External FR secondary seal gap calculation method	Y	
40 CFR 63.120(b)(5)	Storage Vessel Provisions . Procedures to Determine Compliance External FR primary seal requirements	Y	
40 CFR 63.120(b)(5)(ii)	Storage Vessel Provisions . Procedures to Determine Compliance External FR primary seal, no holes	Y	
40 CFR 63.120(b)(6)	Storage Vessel Provisions . Procedures to Determine Compliance External FR secondary seal requirements	Y	
40 CFR 63.120(b)(6)(i)	Storage Vessel Provisions . Procedures to Determine Compliance External FR secondary seal location	Y	
40 CFR 63.120(b)(6)(ii)	Storage Vessel Provisions . Procedures to Determine Compliance External FR secondary seal, no holes	Y	
40 CFR 63.120(b)(7)	Storage Vessel Provisions . Procedures to Determine Compliance External FR unsafe to perform seal measurements	Y	
40 CFR 63.120(b)(7)(i)	Storage Vessel Provisions . Procedures to Determine Compliance External FR unsafe to perform seal measurements	Y	
40 CFR 63.120(b)(7)(ii)	Storage Vessel Provisions . Procedures to Determine Compliance External FR unsafe to perform seal measurements	Y	
40 CFR	Storage Vessel Provisions — Procedures to Determine Compliance	Y	

IV. Source-Specific Applicable Requirements

Table IV—J6
Source-Specific Applicable Requirements
External Floating Roof Tank
S-72 (TK-1720)

Applicable Requirement	Regulation Title or Description of	Federally Enforceable (Y/N)	Future Effective Date
63.120(b)(8)	External FR Repairs		
40 CFR 63.120(b)(9)	Storage Vessel Provisions—Procedures to Determine Compliance External FR seal gap measurement 30-day notification	Y	
40 CFR 63.120(b)(10)	Storage Vessel Provisions . Procedures to Determine Compliance External FR and seals visual inspection each time emptied	Y	
40 CFR 63.120(b)(10)(i)	Storage Vessel Provisions . Procedures to Determine Compliance External FR and seal repairs [does not apply to gaskets slotted membranes, or sleeve seals for Group 1 Refinery MACT per 40 CFR	Y	
40 CFR 63.120(b)(10)(ii)	Storage Vessel Provisions . Procedures to Determine Compliance External FR and seal inspections 30-day notification	Y	
40 CFR 63.120(b)(10)(iii)	Storage Vessel Provisions . Procedures to Determine Compliance External FR and seal inspections Notification for unplanned	Y	
40 CFR 63.123(a)	Storage Vessel Provisions . Recordkeeping Group 1 and Group 2	Y	
40 CFR 63.123(d)	Storage Vessel Provisions . Recordkeeping Group 1 External floating	Y	
40 CFR 63.123(g)	Storage Vessel Provisions—Recordkeeping, Extensions	Y	
NESHAPS Title 40 Part 63 Subpart CC	NESHAPS for Petroleum Refineries (06/23/2003)		
40 CFR 63.640(e)(2)	Applicability and Designation of Storage Vessels	Y	
40 CFR 63.646(a)	Storage Vessel Provisions—Group 1	Y	
40 CFR 63.646(b)(1)	Storage Vessel Provisions—Determine stored liquid % OHAP for group determination	Y	
40 CFR 63.646(b)(2)	Storage Vessel Provisions—Determine stored liquid % OHAP-method 18 to resolve disputes	Y	
40 CFR 63.646(e)	Storage Vessel Provisions—40 CFR 63 exclusions for storage vessels	Y	
40 CFR 63.646(d)(2)	Storage Vessel Provisions—References to April 22, 1994	Y	
40 CFR	Storage Vessel Provisions—References to December 31, 1992	Y	

IV. Source-Specific Applicable Requirements

Table IV–J6
Source-Specific Applicable Requirements
External Floating Roof Tank
S-72 (TK-1720)

Applicable Requirement	Regulation Title or Description of	Federally Enforceable (Y/N)	Future Effective Date
63.646(d)(3)			
40 CFR 63.646(d)(4)	Storage Vessel Provisions—References to compliance dates in 63.100 of Subpart F	Y	
40 CFR 63.646(e)	Storage Vessel Provisions—Compliance with inspection requirements of 63.120 of Subpart G	Y	
40 CFR 63.646(f)	Storage Vessel Provisions—Group floating roof requirements	Y	
40 CFR 63.646(f)(1)	Storage Vessel Provisions—Group floating roof requirements—Cover or lid	Y	
40 CFR 63.646(f)(2)	Storage Vessel Provisions—Group floating roof requirements—Rim space	Y	
40 CFR 63.646(f)(3)	Storage Vessel Provisions—Group floating roof requirements—Automatic bleeder vents	Y	
40 CFR 63.646(l)	Storage Vessel Provisions—State or local permitting agency notification requirements.	Y	
40 CFR 63.654(f)	Reporting and Recordkeeping Requirements—Notice of compliance status report requirements	Y	
40 CFR 63.654(f)(1)(i)(A)	Reporting and Recordkeeping Requirements—Notice of compliance status report requirements—Reporting—storage vessels	Y	
40 CFR 63.654(f)(1)(i)(A)(1)	Reporting and Recordkeeping Requirements—Notice of compliance status report requirements—Reporting—storage vessels	Y	
40 CFR 63.654(g)(1)	Periodic Reporting and Recordkeeping Requirements—storage vessels	Y	
40 CFR 63.654(g)(3)	Periodic Reporting and Recordkeeping Requirements—storage vessels with external floating roofs	Y	
40 CFR 63.654(g)(3)(i)	Periodic Reporting and Recordkeeping Requirements—storage vessels with external floating roofs	Y	
40 CFR 63.654(g)(3)(i)(A)	Periodic Reporting and Recordkeeping Requirements—storage vessels with external floating roofs	Y	
40 CFR 63.654(g)(3)(i)(B)	Periodic Reporting and Recordkeeping Requirements—storage vessels with external floating roofs	Y	
40 CFR 63.654(g)(3)(i)(C)	Periodic Reporting and Recordkeeping Requirements—storage vessels with external floating roofs	Y	
40 CFR 63.654(g)(3)(i)(D)	Periodic Reporting and Recordkeeping Requirements—storage vessels with external floating roofs	Y	

IV. Source-Specific Applicable Requirements

Table IV—J6
Source-Specific Applicable Requirements
External Floating Roof Tank
S-72 (TK-1720)

Applicable Requirement	Regulation Title or Description of	Federally Enforceable (Y/N)	Future Effective Date
40 CFR 63.654(g)(3)(ii)	Periodic Reporting and Recordkeeping Requirements—storage vessels with external floating roofs	Y	
40 CFR 63.654(g)(3)(iii)	Periodic Reporting and Recordkeeping Requirements—storage vessels with external floating roofs	Y	
40 CFR 63.654(g)(3)(iii)(B)	Periodic Reporting and Recordkeeping Requirements—storage vessels with external floating roofs	Y	
40 CFR 63.654(h)(2)	Reporting and Recordkeeping Requirements—Other reports—Storage vessel notification of inspections.	Y	
40 CFR 63.654(h)(2)(i)	Reporting and Recordkeeping Requirements—Other reports—Storage vessel notification of inspections.	Y	
40 CFR 63.654(h)(2)(i)(A)	Reporting and Recordkeeping Requirements—Other reports—Storage vessel notification of inspections.	Y	
40 CFR 63.654(h)(2)(i)(B)	Reporting and Recordkeeping Requirements—Other reports—Storage vessel notification of inspections.	Y	
40 CFR 63.654(h)(2)(i)(C)	Reporting and Recordkeeping Requirements—Other reports—Storage vessel notification of inspections.	Y	
40 CFR 63.654(h)(2)(ii)	Reporting and Recordkeeping Requirements—Other reports—Storage vessel notification of inspections.	Y	
40 CFR 63.654(h)(6)	Reporting and Recordkeeping Requirements—Other reports—Determination of Applicability	Y	
40 CFR 63.654(h)(6)(ii)	Reporting and Recordkeeping Requirements—Other reports—Determination of Applicability	Y	
40 CFR 63.654(i)(1)	Reporting and Recordkeeping Requirements—Recordkeeping for storage vessels	Y	
40 CFR 63.654(i)(1)(i)	Reporting and Recordkeeping Requirements—Recordkeeping for storage vessels	Y	

Table IV - FJ15
Source-Specific Applicable Requirements
Exempt Fixed Roof Tanks with Vapor Recovery to Fuel Gas
S-70, S-71 (TK-1718, TK-1719)

IV. Source-Specific Applicable Requirements

Applicable Requirement	Regulation Title or Description of	Federally Enforceable (Y/N)	Future Effective Date
<u>BAAQMD · Regulation 8 Rule 5</u>	<u>Organic Compounds, Storage of Organic Liquids (10/18/2006)</u> <u>Exempt</u>		
<u>8-5-117</u>	<u>Limited Exemption, Low Vapor Pressure</u>	<u>N</u>	
<u>SIPBAAQMD · Regulation 8 Rule 5</u>	<u>Organic Compounds, Storage of Organic Liquids (06/05/200311/27/02)</u> <u>Exempt</u>		
8-5-117	Exemption, Low Vapor Pressure	Y	
<u>8-5-501</u>	<u>Records</u>	<u>Y</u>	
<u>8-5-501.1</u>	<u>Type and amount of liquid, true vapor pressure, retain 24 months</u>	<u>Y</u>	
<u>8-5-602</u>	<u>Analysis of Samples, True Vapor Pressure</u>	<u>Y</u>	
<u>8-5-604</u>	<u>Determination of Applicability</u>	<u>Y</u>	
<u>NESHAPS Title 40 Part CFR 63 Subpart CC</u>	<u>NESHAPS for Petroleum Refineries (06/23/2003)</u> <u>Exempt – Emissions vented to fuel gas</u>		
<u>40 CFR 63.640(c)(2)</u>	Applicability and Designation of Storage Vessels	Y	
<u>40 CFR 63.640(d)(5)</u>	Exclusion for emission points routed to fuel gas system	Y	
<u>BAAQMD Condition # 20762</u>			
<u>Part 1</u>	<u>Verify true vapor pressure (8-5-117)</u>	<u>Y</u>	
<u>Part 2</u>	<u>Comply with Regulation 8-5 when switching different service (Regulation 8, Rule 5)</u>	<u>Y</u>	
<u>Part 3</u>	<u>Recordkeeping (8-5-117)</u>	<u>Y</u>	

**Table IV - GJ33
 Source-Specific Applicable Requirements
 External Floating Roof Tank - Benzene Wastewater**

S-67 (TK-1715)

Applicable Requirement	Regulation Title or Description of	Federally Enforceable (Y/N)	Future Effective Date
<u>BAAQMD · Regulation 8 Rule 5</u>	<u>Organic Compounds, Storage of Organic Liquids (10/18/2006)</u> <u>Requirements for External Floating Roof Tanks</u>		
<u>8-5-111</u>	<u>Limited Exemption, Tank Removal From and Return to Service</u>	<u>N</u>	
<u>8-5-111.1</u>	<u>Limited Exemption, Tank Removal From and Return to Service, Notification</u>	<u>Y</u>	
<u>8-5-111.2</u>	<u>Limited Exemption, Tank Removal From and Return to Service; Tank in compliance at time of notification</u>	<u>N</u>	

IV. Source-Specific Applicable Requirements

Table IV - GJ33
Source-Specific Applicable Requirements
External Floating Roof Tank - Benzene Wastewater

S-67 (TK-1715)

Applicable Requirement	Regulation Title or Description of	Federally Enforceable (Y/N)	Future Effective Date
<u>8-5-111.3</u>	<u>Limited Exemption, Tank Removal From and Return to Service; Filling, emptying, refilling floating roof tanks</u>	<u>Y</u>	
<u>8-5-111.5</u>	<u>Limited Exemption, Tank Removal From and Return to Service; Minimize emissions and, if required, degas per 8-5-328</u>	<u>N</u>	
<u>8-5-111.6</u>	<u>Limited Exemption, Tank Removal From and Return to Service; Self report if out of compliance during exemption period</u>	<u>N</u>	
<u>8-5-112</u>	<u>Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation</u>	<u>N</u>	
<u>8-5-112.1</u>	<u>Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; Notification</u>	<u>Y</u>	
<u>8-5-112.2</u>	<u>Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; Tank in compliance at time of notification</u>	<u>N</u>	
<u>8-5-112.3</u>	<u>Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; No product movement, Minimize emissions</u>	<u>Y</u>	
<u>8-5-112.4</u>	<u>Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; Not to exceed 7 days</u>	<u>N</u>	
<u>8-5-112.5</u>	<u>Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; Self report if out of compliance during exemption period</u>	<u>N</u>	
<u>8-5-112.6</u>	<u>Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; Keep records for each exemption</u>	<u>N</u>	
<u>8-5-117</u>	<u>Limited Exemption, Low Vapor Pressure</u>	<u>N</u>	
<u>8-5-119</u>	<u>Limited Exemption, Repair Period for Enhanced Monitoring Program Tanks (Optional)</u>	<u>N</u>	
<u>8-5-301</u>	<u>Storage Tank Control Requirements</u>	<u>N</u>	
<u>8-5-304</u>	<u>Requirements for External Floating Roof Tanks</u>	<u>N</u>	
<u>8-5-304.1</u>	<u>Requirements for External Floating Roofs; Tank fittings</u>	<u>Y</u>	
<u>8-5-304.2</u>	<u>Requirements for External Floating Roofs; Primary seal (8-5-321)</u>	<u>Y</u>	
<u>8-5-304.3</u>	<u>Requirements for External Floating Roofs; Secondary seal (8-5-322)</u>	<u>Y</u>	
<u>8-5-304.4</u>	<u>Requirements for External Floating Roofs; Floating roof</u>	<u>N</u>	
<u>8-5-304.5</u>	<u>Requirements for External Floating Roofs; Tank shell</u>	<u>N</u>	
<u>8-5-304.6</u>	<u>Requirements for External Floating Roofs; Pontoons – no leaks</u>	<u>N</u>	
<u>8-5-304.6.1</u>	<u>Requirements for External Floating Roofs; Pontoons – make gas tight if leaking</u>	<u>N</u>	
<u>8-5-304.6.2</u>	<u>Requirements for External Floating Roofs; Pontoons-repair all leaks at next removal from service</u>	<u>N</u>	
<u>8-5-320</u>	<u>Floating Roof Tank Fitting Requirements</u>	<u>N</u>	
<u>8-5-320.2</u>	<u>Floating Roof Tank Fitting Requirements; Projection below liquid surface</u>	<u>N</u>	

IV. Source-Specific Applicable Requirements

Table IV - GJ33
Source-Specific Applicable Requirements
External Floating Roof Tank - Benzene Wastewater

S-67 (TK-1715)

Applicable Requirement	Regulation Title or Description of	Federally Enforceable (Y/N)	Future Effective Date
8-5-320.3	Floating Roof Tank Fitting Requirements; Gasketed covers, seals, lids	N	
8-5-320.3.1	Floating Roof Tank Fitting Requirements; Gasketed covers, seals, lids - Gap requirements	Y	
8-5-320.4	Floating Roof Tank Fitting Requirements; Solid sampling or gauging wells--	Y	
8-5-320.4.1	Floating Roof Tank Fitting Requirements; Solid sampling or gauging wells--projection below liquid surface	Y	
8-5-320.4.2	Floating Roof Tank Fitting Requirements; Solid sampling or gauging wells--cover, seal, or lid	Y	
8-5-320.4.3	Floating Roof Tank Fitting Requirements; Solid sampling or gauging wells-- total secondary seal gap must include well gap	Y	
8-5-320.5	Floating Roof Tank Fitting Requirements; Slotted sampling or gauging wells	N	
8-5-320.5.1	Floating Roof Tank Fitting Requirements; Slotted sampling or gauging wells -projection below liquid surface	Y	
8-5-320.5.2	Floating Roof Tank Fitting Requirements; Slotted sampling or gauging wells -cover, gasket, pole sleeve, pole wiper for EFR wells	N	
8-5-320.5.3	Floating Roof Tank Fitting Requirements; Slotted sampling or gauging wells-total secondary seal gap must include well gap	Y	
8-5-321	Primary Seal Requirements	N	
8-5-321.1	Primary Seal Requirements; No holes, tears, other openings	Y	
8-5-321.2	Primary Seal Requirements; The seal shall be metallic shoe or liquid mounted except as provided in 8-5-305.1.3	Y	
8-5-321.3	Primary Seal Requirements; Metallic-shoe-type seal requirements	N	
8-5-321.3.1	Primary Seal Requirements; Metallic-shoe-type seal requirements-- geometry of shoe	Y	
8-5-321.3.2	Primary Seal Requirements; Metallic-shoe-type seal requirements-- welded tanks	Y	
8-5-321.4	Primary Seal Requirements; Resilient-toroid-type seal gap requirements	N	
8-5-322	Secondary Seal Requirements	N	
8-5-322.1	Secondary Seal Requirements; No holes, tears, other openings	Y	
8-5-322.2	Secondary Seal Requirements; Insertion of probes	Y	
8-5-322.5	Secondary Seal Requirements; Gap requirements for welded external floating roof tanks with seals installed after 9/4/1985	Y	
8-5-322.6	Secondary Seal Requirements; Extent of seal	Y	
8-5-328	Tank Degassing Requirements	N	
8-5-331	Tank Cleaning Requirements, 90% Abatement Efficiency if	N	

IV. Source-Specific Applicable Requirements

Table IV - GJ33
Source-Specific Applicable Requirements
External Floating Roof Tank - Benzene Wastewater

S-67 (TK-1715)

Applicable Requirement	Regulation Title or Description of	Federally Enforceable (Y/N)	Future Effective Date
	<u>abatement device used</u>		
<u>8-5-332</u>	<u>Sludge Handling Requirements (applies to sludge removed from any tank that was subject to BAAQMD 8-5 at any time since it was last put in service)</u>	<u>N</u>	
<u>8-5-401</u>	<u>Inspection Requirements for External Floating Roof Tanks</u>	<u>N</u>	
<u>8-5-401.1</u>	<u>Inspection Requirements for External Floating Roof Tanks; Primary and Secondary Seal Inspections</u>	<u>N</u>	
<u>8-5-401.2</u>	<u>Inspection Requirements for External Floating Roof Tanks; Tank Fittings Inspections</u>	<u>N</u>	
<u>8-5-411</u>	<u>Enhanced Monitoring Program (Optional)</u>	<u>N</u>	
<u>8-5-411.3</u>	<u>Enhanced Monitoring Program (Optional); Performance requirements</u>	<u>N</u>	
<u>8-5-412</u>	<u>Monitoring of Leaking Pontoons</u>	<u>N</u>	
<u>8-5-501</u>	<u>Records</u>	<u>N</u>	
<u>8-5-501.1</u>	<u>Records; Type and amounts of liquid, type of blanket gas, TVP- Retain 24 months</u>	<u>Y</u>	
<u>8-5-501.2</u>	<u>Records; Internal and External Floating Roof Tanks, Seal Replacement Records- Retain 10 years</u>	<u>Y</u>	
<u>8-5-501.3</u>	<u>Records; Retention</u>	<u>N</u>	
<u>8-5-602</u>	<u>Analysis of Samples, True Vapor Pressure</u>	<u>Y</u>	
<u>8-5-604</u>	<u>Determination of Applicability Based on True Vapor Pressure</u>	<u>Y</u>	
<u>8-5-605</u>	<u>Measurement of Leak Concentration and Residual Concentrations</u>	<u>N</u>	
<u>8-5-605.1</u>	<u>Measurement of Leak Concentration and Residual Concentrations; EPA Method 21 Instrument</u>	<u>N</u>	
<u>8-5-605.2</u>	<u>Measurement of Leak Concentration and Residual Concentrations; Test Methods</u>	<u>N</u>	
<u>8-5-606</u>	<u>Analysis of Samples, Tank Cleaning Agents</u>	<u>N</u>	
<u>8-5-606.1</u>	<u>Analysis of Samples, Tank Cleaning Agents; IBP</u>	<u>N</u>	
<u>8-5-606.2</u>	<u>Analysis of Samples, Tank Cleaning Agents; TVP</u>	<u>N</u>	
<u>8-5-606.3</u>	<u>Analysis of Samples, Tank Cleaning Agents; VOC</u>	<u>N</u>	
SIPBAAQMD · Regulation 8 Rule 5	<u>Organic Compounds, Storage of Organic Liquids (06/05/200311/27/02) Requirements for External Floating Roof Tanks</u>		
<u>8-5-111</u>	<u>Limited Exemption, Tank Removal From and Return to Service</u>	<u>Y</u>	
<u>8-5-111.1</u>	<u>Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO</u>	<u>Y</u>	
<u>8-5-111.1.1</u>	<u>Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO; 3 day prior notification</u>	<u>Y</u>	
<u>8-5-111.1.2</u>	<u>Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO; Telephone notification</u>	<u>Y</u>	

IV. Source-Specific Applicable Requirements

Table IV - ~~GJ33~~
Source-Specific Applicable Requirements
External Floating Roof Tank - Benzene Wastewater

S-67 (TK-1715)

Applicable Requirement	Regulation Title or Description of	Federally Enforceable (Y/N)	Future Effective Date
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service; Compliance before notification	Y	
8-5-111.3	Limited Exemption, Tank Removal From and Return to Service; Floating roof tanks—continuous and quick filling, emptying and refilling	Y	
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service; Minimization of emissions	Y	
8-5-111.6	Limited Exemption, Tank Removal From and Return to Service; Written notice of completion not required	Y	
8-5-111.7	Limited Exemption, Tank Removal From and Return to Service; Compliance with Section 8-5-328	Y	
8-5-112	Limited Exemption, Tanks in Operation	Y	
8-5-112.1	Limited Exemption, Tanks in Operation; Notice to the APCO	Y	
8-5-112.1.1	Limited Exemption, Tanks in Operation; Notice to the APCO; 3 day prior notification	Y	
8-5-112.1.2	Limited Exemption, Tanks in Operation; Notice to the APCO; Telephone notification	Y	
8-5-112.2	Limited Exemption, Tanks in Operation; Compliance and certification before commencement of work per 8-5-404	Y	
8-5-112.3	Limited Exemption, Tanks in Operation; No product movement; minimization of emissions	Y	
8-5-112.4	Limited Exemption, Tanks in Operation; Exemption does not exceed 7 days	Y	
8-5-117	Exemption, Low Vapor Pressure	Y	
8-5-301	Storage Tank Control Requirements (internal floating roof, external floating roof, or approved emission control system)	Y	
8-5-304	Requirements for External Floating Roofs	Y	
8-5-304.1	Requirements for External Floating Roofs; Tank fitting requirements	Y	
8-5-304.2	Requirements for External Floating Roofs; Primary seal requirements	Y	
8-5-304.3	Requirements for External Floating Roofs; Secondary seal requirements	Y	
8-5-304.4	Requirements for External Floating Roofs; Floating roof requirements	Y	
8-5-320	Tank fitting requirements – Floating roof tanks	Y	
8-5-320.2	Tank fitting requirements – Floating roof tanks, Gasketed covers, seals, lids – Projection below surface except p/v valves and vacuum breaker vents	Y	
8-5-320.3	Tank fitting requirements – Floating roof tanks, Gasketed covers,	Y	

IV. Source-Specific Applicable Requirements

Table IV - GJ33
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External Floating Roof Tank - Benzene Wastewater

S-67 (TK-1715)

Applicable Requirement	Regulation Title or Description of	Federally Enforceable (Y/N)	Future Effective Date
	seals, lids –		
8-5-320.3.1	Tank fitting requirements— Floating roof tanks, Gasketed covers, seals, lids— Gap requirements	Y	
8-5-320.4	Tank Fitting Requirements; Solid sampling or gauging well requirements in floating roof tanks	Y	
8-5-320.4.1	Tank fitting requirements; Floating roof tanks; Solid sampling or gauging wells; Projection below the liquid surface	Y	
8-5-320.4.2	Tank fitting requirements; Floating roof tanks; Solid sampling or gauging wells; Cover, seal, or lid	Y	
8-5-320.4.3	Tank fitting requirements; Floating roof tanks; Solid sampling or gauging wells; Gap between the well and the roof	Y	
<u>8-5-320.5</u>	<u>Tank Fitting Requirements; Floating roof tanks, Slotted sampling or gauging well requirements in floating roof tanks</u>	<u>Y</u>	
<u>8-5-320.5.2</u>	<u>Tank Fitting Requirements; Floating roof tanks, Slotted sampling or gauging well requirements—cover, gasket, pole sleeve, pole wiper</u>	<u>Y</u>	
8-5-321	Primary seal requirements	Y	
8-5-321.1	Primary seal requirements; No holes, tears, or other openings	Y	
8-5-321.2	Primary seal requirements; The seal shall be metallic shoe or liquid mounted except as provided in 8-5-305.1.3	Y	
<u>8-5-321.3</u>	<u>Primary Seal Requirements; Metallic-shoe-type seal requirements</u>	<u>Y</u>	
8-5-321.4	Primary seal requirements; Resilient toroid type seals requirements	Y	
8-5-322	Secondary seal requirements	Y	
8-5-322.1	Secondary seal requirements; No holes, tears, or other openings	Y	
8-5-322.2	Secondary seal requirements; Insertion of probes	Y	
8-5-322.5	Secondary seal requirements; Gap for welded tanks with seal installed after September 4, 1985	Y	
8-5-322.6	Secondary seal requirements; extent of seal	Y	
8-5-328	Tank degassing requirements	Y	
8-5-328.1	Tank degassing requirements; Tanks > 75 cubic meters	Y	
8-5-328.1.2	Tank degassing requirements; Tanks > 75 cubic meters; Concentration of <10,000 ppm as methane after degassing	Y	
8-5-328.2	Tank degassing requirements; Ozone Excess Day Prohibition	Y	
8-5-401	Inspection Requirements for External Floating Roof Tanks	Y	
8-5-401.1	Inspection Requirements for External Floating Roof Tanks; Primary and Secondary Seal Inspections	Y	
8-5-401.2	Inspection Requirements for External Floating Roof Tanks; Tank Fittings Inspections	Y	
8-5-404	Certification	Y	
8-5-405	Information required	Y	

IV. Source-Specific Applicable Requirements

**Table IV - GJ33
 Source-Specific Applicable Requirements
 External Floating Roof Tank - Benzene Wastewater**

S-67 (TK-1715)

Applicable Requirement	Regulation Title or Description of	Federally Enforceable (Y/N)	Future Effective Date
8-5-501	Records	Y	
8-5-501.1	Records; Type and amounts of liquid; true vapor pressure; Retain 24 months	Y	
8-5-501.2	Records; Internal and External Floating Roof Tanks; Seal Replacement Records – Retain 10 years	Y	
8-5-503	Portable hydrocarbon detector	Y	
8-5-602	Analysis of Samples; True Vapor Pressure	Y	
8-5-604	Determination of Applicability	Y	
NSPS Title 40 Part CFR 60 Subpart Kb	NSPS Subpart Kb for Tanks (<u>10/15/200308/11/1989</u>) <u>Requirements For Benzene Waste NESHAP External Floating Roof Tank</u>		
40 CFR 60.112b(a)(2)	Standard for Volatile Organic Compounds (VOC); External floating roof option	Y	
40 CFR 60.112b(a)(2)(i)	Standard for Volatile Organic Compounds (VOC); External floating roof seal requirements	Y	
40 CFR 60.112b(a)(2)(i)(A)	Standard for Volatile Organic Compounds (VOC); External floating roof primary seal requirements	Y	
40 CFR 60.112b(a)(2)(i)(B)	Standard for Volatile Organic Compounds (VOC); External floating roof secondary seal requirements	Y	
40 CFR 60.112b(a)(2)(ii)	Standard for Volatile Organic Compounds (VOC); External floating roof openings requirements	Y	
40 CFR 60.112b(a)(2)(iii)	Standard for Volatile Organic Compounds (VOC); External floating roof floating requirements	Y	
40 CFR 60.113b(b)(1)	Testing and Procedures; External floating roof seal gap measurement frequency	Y	
40 CFR 60.113b(b)(1)(i)	Testing and Procedures; External floating roof primary seal gaps measurement frequency	Y	
40 CFR 60.113b(b)(1)(ii)	Testing and Procedures; External floating roof secondary seal gaps measurement frequency	Y	
40 CFR 60.113b(b)(1)(iii)	Testing and Procedures; External floating roof reintroduction of VOL	Y	
40 CFR 60.113b(b)(2)	Testing and Procedures; External floating roof seal gap measurement procedures	Y	
40 CFR 60.113b(b)(2)(i)	Testing and Procedures; External floating roof measure seal gaps when roof is floating	Y	
40 CFR 60.113b(b)(2)(ii)	Testing and Procedures; External floating roof measure seal gaps around entire circumference	Y	
40 CFR 60.113b(b)(2)(iii)	Testing and Procedures; External floating roof seal method to determine surface area of seal gaps	Y	
40 CFR	Testing and Procedures; External floating roof method to	Y	

IV. Source-Specific Applicable Requirements

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 Source-Specific Applicable Requirements
 External Floating Roof Tank - Benzene Wastewater**

S-67 (TK-1715)

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

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External Floating Roof Tank - Benzene Wastewater

S-67 (TK-1715)

Applicable Requirement	Regulation Title or Description of	Federally Enforceable (Y/N)	Future Effective Date
60.115b(b)(3)(i)	floating roof seal gap measurement records--date of measurement		
40 CFR 60.115b(b)(3)(ii)	Reporting and Recordkeeping Requirements; 60.112b(a) external floating roof seal gap measurement records--raw data	Y	
40 CFR 60.115b(b)(3)(iii)	Reporting and Recordkeeping Requirements; 60.112b(a) external floating roof seal gap measurement records--calculations	Y	
40 CFR 60.115b(b)(4)	Reporting and Recordkeeping Requirements; 60.112b(a) external floating roof seal gap exceedance report	Y	
40 CFR 60.116b(a)	Monitoring of Operations; Record retention	Y	
40 CFR 60.116b(c)	Monitoring of Operations; VOL storage record requirements	Y	
40 CFR 60.116b(e)(3)(i)	Monitoring of Operations; Determine TVP other liquids standard reference texts	Y	
40 CFR 60.116b(e)(3)(ii)	Monitoring of Operations; Determine TVP other liquids ASTM method	Y	
40 CFR 60.116b(e)(3)(iii)	Monitoring of Operations; Determine TVP other liquids other approved measurement method	Y	
40 CFR 60.116b(e)(3)(iv)	Monitoring of Operations; Determine TVP other liquids other approved calculation method	Y	
40 CFR 60.116b(f)	Monitoring of Operations; Waste storage tanks (indeterminate or variable composition)	Y	
40 CFR 60.116b(f)(1)	Monitoring of Operations; Waste storage tanks Determine maximum possible TVP	Y	
40 CFR 60.116b(f)(2)	Monitoring of Operations; Waste storage tanks Vapor pressure tests	Y	
40 CFR 60.116b(f)(2)(i)	Monitoring of Operations; Waste storage tanks Vapor pressure tests ASTM D 2879 method	Y	
40 CFR 60.116b(f)(2)(ii)	Monitoring of Operations; Waste storage tanks Vapor pressure tests ASTM D 323 method	Y	
40 CFR 60.116b(f)(2)(iii)	Monitoring of Operations; Waste storage tanks Vapor pressure tests other approved method	Y	
NESHAPS Title 40 Part CFR 61 Subpart FF	NESHAPS, Benzene Waste Operations (12/04/2003) Requirements for External Floating Roof Tank		
61.340	Applicability	Y	
61.341	Definitions	Y	
61.343	Standards; Tanks; Benzene-containing wastes	Y	
40 CFR 61.343(a)	Standards; Tanks containing benzene wastes can meet alternative standards in 61.351; Benzene-containing wastes	Y	
61.351	Alternative Standards for Tanks	Y	

IV. Source-Specific Applicable Requirements

**Table IV - GJ33
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 External Floating Roof Tank - Benzene Wastewater**

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Applicable Requirement	Regulation Title or Description of	Federally Enforceable (Y/N)	Future Effective Date
40 CFR 61.351(a)(2)	Alternative Standards for Tanks; External floating roof <u>tanks meeting-must meet</u> requirements of 40 CFR 60.112b(a)(2)	Y	
40 CFR 61.351(b)	Alternative Standards for Tanks; Tanks subject to 61.351 <u>and-are</u> exempt from 61.343	Y	
<u>61.356</u>	<u>Recordkeeping requirements</u>	<u>Y</u>	
40 CFR 61.356(k)	Recordkeeping Requirements: <u>Floating roof tanks subject to</u> 61.351 <u>control equipment</u> must comply with 40 CFR 60.115b	Y	
<u>61.357</u>	<u>Reporting requirements</u>	<u>Y</u>	
<u>61.357(e)</u>	<u>Notification Requirements for Floating roof tanks subject to 61.351</u>	<u>Y</u>	
<u>61.357(f)</u>	<u>Reporting Requirements for Floating roof tanks subject to 61.351</u>	<u>Y</u>	
NESHAPS Title 40 Part CFR 63 Subpart CC	NESHAPS for Petroleum Refineries (06/23/2003) <u>Requirements for Group 1 wastewater streams</u>		
40 CFR 63.640(c)(3)	<u>Applicability and designation of affected sources</u> : Wastewater streams and treatment operations associated with petroleum refining process units meeting the criteria of section 63.640(a)	Y	
40 CFR 63.647(a)	Comply with 61.340-61.355 (Subpart FF). Owners/operators of Group 1 wastewater streams shall comply with sections 61.340 to 61.355 of 40 CFR part 61, subpart FF for each stream that meets the definition of 63.641.	Y	
40 CFR 63.654(a)	Owner/operators subject to the wastewater provisions of 63.647 shall comply with the recordkeeping and reporting requirements in 61.356 and 61.357 of 40 CFR part 61, subpart FF, unless they comply with those specified in paragraph (o)(2)(ii) of 63.640.	Y	

V. SCHEDULE OF COMPLIANCE

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

VI. PERMIT CONDITIONS

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

Condition 20762

~~For Refinery:~~

This condition applies to tanks that are exempt from Regulation 8, Rule 5, Storage of Organic Liquids, due to the exemption in Regulation 8-5-117 for storage of organic liquids with a true vapor pressure of less than or equal to 25.8 mm Hg (0.5 psia).

1. Whenever the type of organic liquid in the tank is changed, the owner/operator shall verify that the true vapor pressure at the storage temperature is less than or equal to 25.8 mm Hg (0.5 psia). The owner/operator shall use Lab Method 28 from Volume III of the District's Manual of Procedures, Determination of the Vapor Pressure of Organic Liquids from Storage Tanks. For materials listed in Table 1 of Regulation 8 Rule 5, the owner/operator may use Table 1 to determine vapor pressure, rather than Lab Method 28. If the results are above 25.8 mm Hg (0.5 psia), the owner/operator shall report non-compliance in accordance with Standard Condition I.F and shall submit an application to the District for a new permit to operate for the tank as quickly as possible. (Basis: Regulation 8-5-117)
2. Whenever the type of organic liquid in the tank is changed to a liquid with the true vapor pressure at the storage temperature greater than 25.8 mm Hg (0.5 psia), the owner/operator shall comply with all the requirements of Regulation 8-5 prior to making the change. (Basis: Regulation 8, Rule 5)
- ~~3.2.~~ The results of the testing shall be maintained in a District-approved log for at least five years from the date of the record, and shall be made available to District staff upon request. (Basis: 8-5-117)

Condition 20820

The portions of this Facility B2626 (Valero Benicia Refinery) permit that apply to Facility B5574 sources S-57 through S-62) are included here for completeness.

VALERO REFINING COMPANY Plant 12626
VALERO IMPROVEMENT PROJECT Application 5846
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CARGO CARRIER and DOCK

27.The daily throughput of crude oil transferred at the plant's dock from the cargo ship or barge to the crude storage tanks (Facility B5574 S-57 through S-62, and Facility B2626 S-1047 and S-1048) shall be recorded in a District approved log. All records shall be retained for a period of at least five years from the date of entry. This log shall be kept on site and made available to District staff upon request. [Basis: Recordkeeping]

STORAGE TANKS

32. The Owner/Operator shall limit the combined material throughput at storage tanks, Facility B5574 S-57 through S- 62, and Facility B2626 S-1047 and S-1048, to no more than 171.5 kbbbl/day (annual daily average) or 62.6 Million Barrels per year. [Basis: Cumulative Increase]

33. The Owner/Operator shall maintain the daily combined material throughput at storage tanks, Facility B5574 S-57 through S-62, and Facility B2626 S-1047 and S-1048, in a District approved log to demonstrate whether or not the VIP has been triggered per part 23 and compliance with part 32. The Owner/Operator shall keep these records on site and make them available for District inspection for a period of at least 5 years from the date on which a record is made. [Basis: Recordkeeping]

Condition #21738

- S-1 Crude Oil Tank TK-1A, External Floating Roof, 3419 kgal**
- S-2 Crude Oil Tank TK-1B, External Floating Roof, 3419 kgal**
- S-4 Crude Oil Tank TK-10A, External Floating Roof, 1382 kgal**
- S-23 Crude Oil Tank TK-10B, External Floating Roof, 1382 kgal**

Permit Conditions II. 1, 11, 12, and 13 were modified or added as part of App. No. 14513.

Pursuant to permit application #1819 (October, 2000), the crude oil throughput to the crude unit, S18, was raised to 5,292,000 barrels/yr.

Modified by change of ownership application 7980 (Feb2004)

I. GENERAL CONDITIONS

This Section I from BAAQMD Condition 1240 had 20 Parts when ownership of S-1, S-2, S-4 and S-23 was transferred to Valero Logistics Operations in February 2004 ([NuStar](#))

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Logistics, L.P. effective 4/1/2007). In general, the parts in this section covered the main crude processing sources. Only Parts 14, 18, 18a, 18c and 18j are retained for S-1, S-2, S-4 and S-23.

1, 2, 3, 4,5, 5a, 5b, 6, 7, 8, 9, 10, 11, 12, and 13. Deleted with transfer of ownership application 7980/8915. See condition 1240 for facility A0901 (plant 13193) for the original text of these parts.

14. The Owner/Operator shall not operate S-1, S-2, S-4 and S-23 unless the total tank emissions do not exceed the limits listed below:

a. Non-Methane Hydrocarbons 6.64 tons/yr
(Basis: Cumulative Increase)

15, 16a, 16b and 17. Deleted with transfer of ownership application 7980/8915. See condition 1240 for facility A0901 (plant 13193) for the original text of these parts.

18. To assure compliance with part I.14 the Owner/Operator shall perform the following monitoring on a semi-annual basis, starting on January 1 of each year.

18a. The Owner/Operator shall estimate emissions of Non-methane hydrocarbons (NMHC) for each quarter. (Basis: Cumulative Increase)

18b. Deleted with transfer of ownership application 7980/8915. See condition 1240 for facility A0901 (plant 13193) for the original text of this part.

18c. The Owner/Operator shall estimate tank NMHC emissions from the following tanks using the most recent version of EPA's "Tanks" program or EPA publication AP-42: S-1, S-2, S-4 and S-23. (Basis: Cumulative Increase)

18d, 18e, 18f, 18g, 18h and 18i. Deleted with transfer of ownership application 7980/8915. See condition 1240 for facility A0901 (plant 13193) for the original text of these parts.

18j. Within 30 days after the end of each semi-annual period, the Owner/Operator shall calculate the emission estimates required by part I.18c for the quarter, summarize the emission estimates for the period, and for the previous period. If the emission estimates exceed the limits in part I.14, the Owner/Operator shall report non-compliance with part I.14 of this condition in accordance with Standard Condition I.F of the Title V permit. The emissions estimates shall be kept on-site for a minimum of five years and be made available to District staff upon request. (Cumulative Increase)

19, 19a, 19b, 19c and 20. Deleted with transfer of ownership application 7980/8915. See condition 1240 for facility A0901 (plant 13193) for the original text of these parts.

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II. TANKAGE CONDITIONS:

This Section II from BAAQMD Condition 1240 had 92 Parts when ownership of S-1, S-2, S-4 and S-23 was transferred to Valero Logistics Operations in February 2004 ([NuStar Logistics, L.P. effective 4/1/2007](#)). In general, the parts in this section covered all of the storage tanks and loading rack sources. Only Parts 1 and 11 through 24 are retained for S-1, S-2, S-4 and S-23.

1. S-2 abatement requirement deleted 8/26/00. Modifications to S-2 completed converting S-2 to an external floating roof tank.

2, 3, 4, 5, 6, 7, 8, 9 and 10. Deleted with transfer of ownership application 7980/8915. See condition 1240 for facility A0901 (plant 13193) for the original text of this part.

11. Deleted 08/26/00. Tanks S-1, S-2, S-4 and S-23 conversion to external floating roof tanks completed under application 14513.

12. The Owner/Operator shall operate S-1, S-2, S-4 and S-23 external floating roof tanks of welded construction, equipped with liquid mounted mechanical shoe primary seals and zero-gap, rim mounted secondary seals, with only the following fittings. There shall be no ungasketed roof fittings.

- (1) Automatic Gauge Float Well/bolted cover, gasketed
 - (1) Access Hatch, 24-inch diameter/bolted cover gasketed
 - (1) Gauge Hatch Sample Well, 8 inch diameter/weighted mech actuation, gasketed
 - (1) Sample well, 24-inch diameter/slit fabric seal 10% open
 - (1) Vacuum Breaker, 10-inch diameter/weighted mech actuation, gasketed
 - (1) Roof Drain (which does not drain water into product)
 - (18) Roof Legs, 3-inch diameter, adjustable, pontoon area, sock
 - (20) Roof Legs, 3-inch diameter, adjustable, center area, sock
 - (1) Rim Vent, 6-inch diameter/weighted mech actuation, gasketed
- (Basis: Cumulative Increase, Offsets)

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. (Added per Application 14513, 9/95 or Application 366 1/2000)

13. The Owner/Operator of the four crude tanks S-1, S-2, S-4 and S-23 will inspect the primary seals and secondary tank seals and fittings quarterly, and maintain records of

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each inspection for five years from the date of the inspection. These records shall be made available to the District upon request. The quarterly inspections will include all items required by Regulations 8-5, as well as all items required by 40 CFR 60.113(b). (Cumulative increase) (Added per Application 14513, 9/95)

14. The Owner Operator shall sum total crude oil throughput to S-1, S-2, S-4, and S-23 and shall not exceed 6,235,000 barrels (261,870,000 gallons) in any consecutive 12-month period. (Cumulative increase)

15. The Owner/Operator may store material other than crude oil in S-1, S-2, S-4, or S-23 only if all of the following are satisfied:

- a. the storage of each material complies with all other conditions applicable these sources
- b. the storage of each material complies with all other applicable regulatory requirements
- c. the Owner/Operator keeps District approved records which demonstrate to the District's satisfaction that no toxin listed in ~~Table 2-1-316~~Regulation 2, Rule 5 is emitted from S-1, S-2, S-4, and S-23 in an amount in excess of the toxin's respective trigger levels set forth in Regulation 2, Rule 5~~Table 2-1-316~~.

(Basis: Cumulative increase, Toxics)

16. The Owner/Operator shall not operate S-1, S-2, S-4, and S-23 unless the true vapor pressure of each and all materials stored in each of S-1, S-2, S-4 and S-23 does not exceed 11 psia. (Basis: Cumulative increase, Offsets, Toxics)

17. Vapor Recovery Requirement Deleted 08/26/00. S-2 and S-4 conversion is complete.

18. Part II.18 merged with part II.12.

19. Part II.19 merged with part II.12.

20. S-2 Vapor Recovery Requirement Deleted 08/26/00.

21. Deleted 6/1/00 per Application 366, S-4 converted roof from a fixed roof to an external floating roof.

22. The Owner/Operator of S-1, S-2, S-4, and S-23, at the conclusion of each day, shall record, by material name, in a District approved log, the total volume of each and every liquid material throughput to each of S-1, S-2, S-4, and S-23 during that day, in gallon units or barrel units. At the conclusion of each month, the Owner/Operator shall total the daily log recordings separately for each of S-1, S-2, S-4, and S-23 and record the respective sum as the monthly throughput for each source, in a District approved log. Additionally, the Owner/Operator shall record in a District approved log, the total volume of each and every liquid material throughput to S-1, S-2, S-4, and S-23 during

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each rolling 12 consecutive month period. This log shall be retained for at least 5 years from date of entry, shall be kept on site, and shall be made available to the District staff on request. (Basis: Cumulative increase)

23. At the conclusion of each month, the Owner/Operator shall record in a District approved log, the 12 consecutive month sum total throughput of all liquid materials to S-1, S-2, S-4, and S-23 combined. This log shall be retained for at least 5 years from date of entry, it shall be kept on site, and it shall be made available to the District staff on request. (Basis: Cumulative increase)

24. Material transferred from S-1, S-2, S-4, and/or S-23, which is not to be processed at the Facility A0901 (Plant #13193) S18 Crude Unit, shall only be transferred (out of the facility) by pipeline and shall not be transferred by marine vessel. (Basis: Cumulative increase)

25, 26, 27a, 28, 29, 30, 31, 31a, 32a, 32b, 32c, 32d, 32e, 33a, 33b, 34 through 58, 58a, 58b, 59, 59a, 59b, 60, 61a, 61b, 62, 62a, 62b, 63, 64a, 64b, 65 through 72, 72a, 72b, 73 through 91, 91a, 92 and 92a. Deleted with transfer of ownership application 7980/8915. See condition 1240 for facility A0901 (plant 13193) for the original text of these parts.

III. 1, 2, 3, 4, 5, 6, 7, 8 and 9. Deleted with transfer of ownership application 7980/8915. See condition 1240 for facility A0901 (plant 13193) for the original text of these parts.

IV. 1, 2, 2a, 2b, 2c and 3. Deleted with transfer of ownership application 7980/8915. See condition 1240 for facility A0901 (plant 13193) for the original text of these parts.

V. 1. Deleted with transfer of ownership application 7980/8915. See condition 1240 for facility A0901 (plant 13193) for the original text of this part.

Condition #22333

Source S-57 Floating Roof Tank

Based on Condition 8564 from Application 9817 (Nov 92).

Modified by Application 7980 and 8915 when S-57 ownership was transferred to Valero Logistics Operations. (February 2004) ([NuStar Logistics, L.P. effective 4/1/2007](#)).

1. The Owner/Operator shall not heat Tank 1701 (S-57) when storing "light" crude oil. (Basis: Cumulative Increase)

2. The Owner/Operator shall limit the vapor pressure of material stored in TK1701 to no more than 3.5 psi. (Basis: Cumulative Increase)

3. Deleted. (Basis: The owner of S-57 does not own equipment associated with S-57 that is subject to fugitive emission regulations. See Condition 8564 for facility B2626.)

VII. APPLICABLE LIMITS & COMPLIANCE MONITORING REQUIREMENTS

This section has been included 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), semi-annual (SA), quarterly (Q), monthly (M), weekly (W), daily (D), hourly (H), 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 – General
 Applicable Limits and Compliance Monitoring Requirements
 FACILITY-WIDE APPLICABILITY**

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Ambient H ₂ S	BAAQMD Regulation 9-2-301	N		Limitations on H ₂ S ground level concentrations	BAAQMD 9-2-501	C	H ₂ S GLM
		Y		Refinery MACT Startup, Shutdown, Malfunction Report	40 CFR 63 Subpart CC 63.654(h)	P/SA	Report
		Y		Refinery MACT Periodic Report	40 CFR 63 Subpart CC 63.654(g)	P/SA	Report
Benzene in Waste		Y		Benzene Waste NESHAPS Annual Report	40 CFR 61 Subpart FF 61.357(d)(2) 61.357(d)(8)	P/A	Report
Benzene in Waste	40 CFR 61 Subpart FF 61.342(e)(2)(i)	Y		Benzene Waste <6 megagrams/year	40 CFR 61 Subpart FF 61.357(d)(5) 61.356(b)(4)	P/A	Report Records
		Y		Benzene Waste NESHAPS Quarterly Report	40 CFR 61 Subpart FF 61.357(d)(6)	P/Q	Report

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – General
Applicable Limits and Compliance Monitoring Requirements
FACILITY-WIDE APPLICABILITY

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
					61.357(d)(7)		
	40 CFR 61 Subpart FF 61.345(b)	Y		Visual inspection of container covers	40 CFR 61 Subpart FF 61.345(b)	P/Q	Visual Inspection
VOC	BAAQMD 8-5-117 SIP 8-5-117	Y		True vapor pressure not greater than 0.5 psia in tanks exempt from BAAQMD 8-5	BAAQMD Condition 20762 Part 1	P/E On change of service	Look up table or sample analysis
VOC	BAAQMD 8-5-328.1 Regulation SIP 8-5-328.1.2	Y		Tank degassing control device standard; includes 90% abatement efficiency requirement.	BAAQMD 8-5-502.2 Regulation SIP 8-5-502	P/A OR P/E	Source test
	None	N		Enhanced monitoring program (OPTIONAL)	BAAQMD 8-5-411.1 8-5-411.2	P/E if facility elects to implement	Report
VOC	None	Y		Determination of Applicability based on true vapor pressure	BAAQMD Regulation 8-5-602 8-5-604	P/E	Look up table or sample analysis

Table VII – ~~AB~~
Applicable Limits and Compliance Monitoring Requirements
[NSPS Kb EXTERNAL FLOATING ROOF TANKS](#)
S-1, S-2, S-4, S-23 [\(TK-4601A, TK-4601B, TK-4610A, TK-4610B\)](#)
~~-CRUDE STORAGE TANKS~~

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
BAAQMD and SIP Regulation 8-5	Organic Compounds - STORAGE OF ORGANIC LIQUIDS LIMITS AND MONITORING FOR EXTERNAL FLOATING ROOF TANKS						
Vapor Pressure	BAAQMD 8-5-117 8-5-301 SIP	Y		True vapor pressure	BAAQMD 8-5-501.1	P/E initially and upon change of service	Look up table or sample analysis; Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – AB
Applicable Limits and Compliance Monitoring Requirements
NSPS Kb EXTERNAL FLOATING ROOF TANKS
S-1, S-2, S-4, S-23 (TK-4601A, TK-4601B, TK-4610A, TK-4610B)
–CRUDE STORAGE TANKS

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
	8-5-117 8-5-301						
VOC	BAAQMD 8-5-304.6 8-5-304.6.1	N		External floating roof pontoon leak standards	BAAQMD 8-5-412	P/Q after leak is discovered until leak is repaired	Inspection
VOC	BAAQMD 8-5-304.6 8-5-304.6.2	N		External floating roof pontoon repair standards	BAAQMD 8-5-304.6.2	P/E next removal from service after leak is discovered	Repair
VOC	BAAQMD 8-5-320 SIP 8-5-320	Y		Floating roof fitting closure standards Deck fitting closure standards ; includes gasketed covers	BAAQMD 8-5-401.2 SIP 8-5-401.2 and BAAQMD Condition 21738, Part II.13	P/Q or event basis	Measurement and visual inspection
VOC	BAAQMD 8-5-321 SIP 8-5-321	Y		Primary rim-seal standards ; includes gap criteria	BAAQMD 8-5-401.1 , SIP 8-5-401.1 and BAAQMD Condition 21738, Part II.13	P/Q and every time a seal is replaced or event basis	Seal inspection
VOC	BAAQMD 8-5-322 SIP 8-5-322	Y		Secondary rim-seal standards ; includes gap criteria	BAAQMD Condition 21738, Part II.13 BAAQMD 8-5-401.1 SIP 8-5-401.1	P/Q and every time a seal is replaced or event basis	Seal inspection
VOC	BAAQMD 8-5-328.1	N		Residual organic concentration of < 10,000 ppm as methane after	BAAQMD 8-5-328.1	P/each time emptied & degassed;	Method 21 portable hydrocarbon

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – AB
Applicable Limits and Compliance Monitoring Requirements
NSPS Kb EXTERNAL FLOATING ROOF TANKS
S-1, S-2, S-4, S-23 (TK-4601A,TK-4601B, TK-4610A,TK-4610B)
–CRUDE STORAGE TANKS

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
				<u>degassing</u>		<u>4 consecutive measurements at 15 minute intervals</u>	<u>detector</u>
<u>VOC</u>	<u>BAAQMD SIP 8-5-328.1.2</u>	<u>Y</u>		Concentration of organic compounds of < 10,000 ppm as methane after degassing	<u>BAAQMD SIP 8-5-503</u>	<u>P/E each time emptied & degassed</u>	Portable hydrocarbon detector
<u>VOC</u>	<u>BAAQMD 8-5-331</u>	<u>N</u>		<u>OPTION 1: Tank cleaning standards – use compliant cleaning agents (IBP>302F or TVP < 0.5 psia or VOC < 50 g/l)</u> <u>OPTION 2: Tank cleaning standards - abate emissions to at least 90% by weight</u>	<u>BAAQMD 8-5-606</u>	<u>None</u>	<u>Sample analysis</u>
<u>VOC</u>	<u>BAAQMD 8-5-332</u>	<u>N</u>		<u>Tank sludge container standards</u>	<u>None</u>	<u>NA</u>	<u>None</u>
VOC		Y		<u>Certification reports on tank inspections and source tests</u> <u>Report on seal condition and gap measurements</u>	<u>BAAQMD 8-5-404 SIP 8-5-404 8-5-405</u>	<u>P/E After each tank seal inspection</u>	Inspection report
VOC		Y		<u>Records of liquids stored and TVPs</u> <u>None</u>	<u>BAAQMD 8-5-501.1</u>	<u>P/ upon change of service</u> <u>E</u>	<u>Records of liquids stored and TVPs</u>
VOC		Y		<u>Records of tank seal replacement</u> <u>None</u>	<u>BAAQMD 8-5-501.2</u>	<u>P/E after each tank seal replacement</u>	<u>Records of tank seal replacement</u>
<u>NESHAPS CC and NSPS Kb</u>	<u>40 CFR 63 Subpart CC – NESHAPS for Petroleum Refineries</u> <u>40 CFR 60 Subpart Kb – NSPS for VOL Storage Tanks</u> <u>LIMITS AND MONITORING FOR EXTERNAL FLOATING ROOF TANKS</u>						
<u>VOC</u>	<u>63.640 (n)(1), 60.112b (a)(2)(ii)</u>	<u>Y</u>		<u>Deck fitting closure standards; includes gasketed covers</u>	<u>63.640(n)(8) 60.113b (b)(6)</u>	<u>P/E (Each time tank is emptied & degassed)</u>	<u>Visual inspection of roof, seals, and fittings</u>

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – AB
Applicable Limits and Compliance Monitoring Requirements
NSPS Kb EXTERNAL FLOATING ROOF TANKS
S-1, S-2, S-4, S-23 (TK-4601A, TK-4601B, TK-4610A, TK-4610B)
–CRUDE STORAGE TANKS

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	40 CFR 63.640 (n)(1), 60.113b (b)(4)(i)	Y		Primary rim-seal standards; includes gap criteria. Repairs are required if accumulated area of gap exceeds 212 sq. cm/m of vessel diameter, width of any portion of the gap exceeds 3.81 cm, the vertical distance of seal is less than 61 cm above the liquid surface, or there are holes, tears or openings in shoe, seal fabric, or seal envelope.	BAAQMD Condition 21738, Part II.13 40 CFR 63.640(n)(8) 60.113b (b)(1)-(b)(3)	P/Q or event basis P/5-yr intervals	Seal inspection
VOC	40 CFR 63.640 (n)(1), 60.113b (b)(4)(ii)	Y		Secondary rim-seal standards; includes gap criteria. Repairs are required if accumulated area of gap exceeds 21.2 sq. cm/m of vessel diameter, width of any portion of the gap exceeds 1.27 cm, or there are holes, tears or openings in seal or seal fabric	BAAQMD Condition 21738, Part II.13 40 CFR 63.640(n)(8) 60.113b (b)(1)-(b)(3)	P/Q or event basis P/A	Seal inspection
VOC		Y		None	40 CFR 63.640(n)(8) 60.116b(c)	P/E Upon change of service	Record of liquid stored and true vapor pressure
VOC		Y		None	40 CFR 60.113b (b)(6)	P/E (Each time tank is emptied & degassed)	Visual inspection of roof, seals, and fittings
<u>BAAQMD Permit</u>	<u>Permit Conditions</u>						
<u>NMHC</u>	BAAQMD	Y		Emissions of NMHC <	BAAQMD	P/SA	Calculations

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – ~~AB~~
Applicable Limits and Compliance Monitoring Requirements
NSPS Kb EXTERNAL FLOATING ROOF TANKS
S-1, S-2, S-4, S-23 (TK-4601A, TK-4601B, TK-4610A, TK-4610B)
-CRUDE STORAGE TANKS

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
	Condition 21738, part I.14			6.64 tons per year	Condition 21738, parts I.18a, I.18c and I.18j		
	BAAQMD Condition 21738, part II.16	Y		Vapor pressure shall not exceed 11 psia	BAAQMD 8-5-501.1	P/E	Records of liquids stored and TVPs
<u>Vapor Pressure</u>	BAAQMD Condition 21738, part II.16	Y		Vapor pressure shall not exceed 11 psia	BAAQMD Condition 21738, part II.22	P/D	Records
<u>Vapor Pressure</u>	BAAQMD Condition 21738, part II.16	Y		Vapor pressure shall not exceed 11 psia	BAAQMD Condition 21738, part II.23	P/M	Records
Through-put	BAAQMD Condition 21738, part II.14	Y		6,235,000 barrels/yr for S-1, S-2, S-4, and S-23 combined	BAAQMD Condition 21738, part II.22	P/D	records
<u>Through-put</u>	BAAQMD Condition 21738, part II.14	Y		6,235,000 barrels/yr for S-1, S-2, S-4, and S-23 combined	BAAQMD Condition 21738, part II.23	P/M	records

Table VII – ~~BH~~
Applicable Limits and Compliance Monitoring Requirements
S-57 (TK-1701), S-58 (TK-1702) – MACT Group 1 EXTERNAL FLOATING-ROOF TANKS; WITH PERMIT CONDITIONS

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
BAAQMD and SIP Regulation 8-5	Organic Compounds - STORAGE OF ORGANIC LIQUIDS LIMITS AND MONITORING FOR FLOATING-ROOF TANKS						

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – ~~BH~~
Applicable Limits and Compliance Monitoring Requirements
S-57 (TK-1701), S-58 (TK-1702) – MACT Group 1 EXTERNAL FLOATING-ROOF
TANKS; ~~WITH PERMIT CONDITIONS~~

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
<u>Vapor Pressure</u>	<u>BAAQMD 8-5-117</u> <u>8-5-301</u> <u>SIP</u> <u>8-5-117</u> <u>8-5-301</u>	<u>Y</u>		<u>True vapor pressure</u>	<u>BAAQMD 8-5-501.1</u>	<u>P/E initially and upon change of service</u>	<u>Look up table or sample analysis; Records</u>
VOC	<u>BAAQMD 8-5-301</u>	<u>Y</u>		<u>Record of liquids stored and true vapor pressure</u>	<u>BAAQMD 8-5-501.1</u>	<u>periodic initially and upon change of service</u>	<u>Records</u>
VOC	<u>BAAQMD 8-5-304.6</u> <u>8-5-304.6.1</u>	<u>N</u>		<u>External floating roof pontoon leak standards</u>	<u>BAAQMD 8-5-412</u>	<u>P/Q after leak is discovered until leak is repaired</u>	<u>Inspection</u>
VOC	<u>BAAQMD 8-5-304.6</u> <u>8-5-304.6.2</u>	<u>N</u>		<u>External floating roof pontoon repair standards</u>	<u>BAAQMD 8-5-304.6.2</u>	<u>P/E next removal from service after leak is discovered</u>	<u>Repair</u>
VOC	<u>BAAQMD 8-5-320</u> <u>SIP</u> <u>8-5-320</u>	<u>Y</u>		<u>Floating roof fitting closure standards; includes gasketed covers</u>	<u>BAAQMD 8-5-401.2</u> <u>SIP</u> <u>8-5-401.2</u>	<u>P/SA, or P/Q if enhanced monitoring</u>	<u>Measurement and visual inspection</u>
VOC	<u>BAAQMD 8-5-321</u> <u>SIP</u> <u>8-5-321</u>	<u>Y</u>		<u>Primary rim-seal standards; includes gap criteria</u>	<u>BAAQMD 8-5-401.1</u> <u>SIP</u> <u>8-5-401.1</u>	<u>P/SA, or P/Q if enhanced monitoring and every time a seal is replaced</u>	<u>Seal inspection</u>
VOC	<u>BAAQMD 8-5-322</u> <u>SIP</u> <u>8-5-322</u>	<u>Y</u>		<u>Secondary rim-seal standards; includes gap criteria</u>	<u>BAAQMD 8-5-401.1</u> <u>SIP</u> <u>8-5-401.1</u>	<u>P/SA, or P/Q if enhanced monitoring, and every time a seal is replaced</u>	<u>Seal inspection</u>
VOC	<u>BAAQMD 8-5-328.1</u>	<u>N</u>		<u>Residual organic concentration of < 10,000 ppm as methane after degassing</u>	<u>BAAQMD 8-5-328.1</u>	<u>P/each time emptied & degassed; 4 consecutive measurement</u>	<u>Method 21 portable hydrocarbon detector</u>

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – ~~BJ~~
Applicable Limits and Compliance Monitoring Requirements
S-57 (TK-1701), ~~S-58 (TK-1702) – MACT Group 1~~ EXTERNAL FLOATING-ROOF
TANKS; ~~WITH PERMIT CONDITIONS~~

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
						s at 15 minute intervals	
VOC	BAAQMD SIP 8-5-328.1.2	Y		Concentration of < 10,000 ppm as methane after degassing	BAAQMD SIP 8-5-503	P/each time emptied & degassed	Portable hydrocarbon detector
VOC	BAAQMD 8-5-331	N		OPTION 1: Tank cleaning standards – use compliant cleaning agents (IBP>302F or TVP < 0.5 psia or VOC < 50 g/l) OPTION 2: Tank cleaning standards - abate emissions to at least 90% by weight	BAAQMD 8-5-606	None	Sample analysis
					BAAQMD 8-5-502 8-5-502.2 8-5-603	P/A	Source Test
VOC	BAAQMD 8-5-332	N		Tank sludge container standards	None	NA	None
VOC		Y		Certification reports on tank inspections and source tests	BAAQMD 8-5-404 SIP 8-5-404 8-5-405	P/after each tank inspection and source test	Reports
VOC		Y		Record of liquids stored and true vapor pressure	BAAQMD 8-5-501.1	P/ upon change of service	Records
VOC		Y		Records of tank seal replacement	BAAQMD 8-5-501.2	P/after each tank seal inspection	Records
VOC		Y		Determination of applicability	BAAQMD 8-5-604	P/E	look-up table or sample analysis
NESHAPS CC	40 CFR 63 Subpart CC – NESHAPS for Petroleum Refineries 40 CFR 63 Subpart G – SOCMH HON LIMITS AND MONITORING FOR MACT GROUP 1 EXTERNAL FLOATING ROOF Tanks TANKS						
HAP	63.646(f)	Y		Deck fitting closure standards	63.646 (a) & (e) 63.120 (b)(10)	Each time emptied & degassed	visual inspection

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – ~~BJ~~
Applicable Limits and Compliance Monitoring Requirements
S-57 (TK-1701), S-58 (TK-1702) – MACT Group 1 EXTERNAL FLOATING-ROOF
TANKS; ~~WITH PERMIT CONDITIONS~~

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
HAP	63.646(a) 63.120 (b)(3)&(5)	Y		Primary rim-seal standards; includes gap criteria	63.646(a) 63.120 (b)(1) & (2)	5 yr intervals	measurement and visual inspection
HAP	63.646(a) 63.120 (b)(4)&(6)	Y		Secondary rim-seal standards; includes gap criteria	63.646(a) 63.120 (b)(1) & (2)	P/A	measurement and visual inspection
BAAQMD Permit	PERMIT CONDITIONS <u>Applies only to S-57 (TK-1701)</u>						
VOC	Condition # 22333 Part 1	Y		Tank shall not be heated while storing "light" crude oil.	Condition # 22333 Part 1	P/E	Record
Vapor Pressure	Condition # 22333 Part 2	Y		Maximum vapor pressure of material stored in TK 1701 shall not exceed 3.5 psi.	Cition # 22333 Part 2	P/E	Record

Table VII – J2
Applicable Limits and Compliance Monitoring Requirements
S-58 (TK-1702) – EXTERNAL FLOATING-ROOF TANK

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
BAAQMD Regulation 8-5	Organic Compounds – STORAGE OF ORGANIC LIQUIDS LIMITS AND MONITORING FOR FLOATING ROOF TANKS						
VOC	BAAQMD 8-5-301	Y		Record of liquids stored and true vapor pressure	BAAQMD 8-5-501.1	periodic initially and upon change of service	Records
VOC	BAAQMD 8-5-320	Y		Floating roof fitting closure standards; includes gasketed covers	BAAQMD 8-5-401.2	P/SA	Measurement and visual inspection
VOC	BAAQMD 8-5-321	Y		Primary rim-seal standards; includes gap criteria	BAAQMD 8-5-401.1	P/SA and every time a seal is	Seal inspection

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII—J2
Applicable Limits and Compliance Monitoring Requirements
S-58 (TK-1702)—EXTERNAL FLOATING ROOF TANK

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
						replaced	
VOC	BAAQMD 8-5-322	Y		Secondary rim seal standards; includes gap criteria	BAAQMD 8-5-401.1	P/SA and every time a seal is replaced	Seal inspection
VOC	BAAQMD 8-5-328.1.2	Y		Concentration of < 10,000 ppm as methane after degassing	BAAQMD 8-5-503	P/each time emptied & degassed	Portable hydrocarbon detector
VOC	<u>BAAQMD 8-5-331</u>	N		<u>OPTION 1: Tank cleaning standards—use compliant cleaning agents (IBP>302F or TVP < 0.5 psia or VOC < 50 g/l)</u>	<u>BAAQMD 8-5-606</u>	None	<u>Sample analysis</u>
				<u>OPTION 2: Tank cleaning standards—abate emissions to at least 90% by weight</u>	<u>BAAQMD 8-5-502</u> <u>8-5-502.2</u> <u>8-5-603</u>	P/A	<u>Source Test</u>
VOC		Y		Certification reports on tank inspections and source tests	BAAQMD 8-5-404 8-5-405	P/after each tank inspection and source test	Reports
VOC		Y		Records of tank seal replacement	BAAQMD 8-5-501.2	P/after each tank seal inspection	Records
VOC		Y		Determination of applicability	BAAQMD 8-5-604	P/E	look-up table or sample analysis
NESHAPS CC	40 CFR 63 Subpart CC—NESHAPS for Petroleum Refineries 40 CFR 63 Subpart G—SOCMIHON LIMITS AND MONITORING FOR EXTERNAL FLOATING ROOF TANKS						
HAP	63.646(f)	Y		Deck fitting closure standards	63.646 (a) & (e) 63.120 (b)(10)	Each time emptied & degassed	visual inspection
HAP	63.646(a) 63.120 (b)(3)&(5)	Y		Primary rim seal standards; includes gap criteria	63.646(a) 63.120 (b)(1) & (2)	5-yr intervals	measurement and visual inspection

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII—J2
Applicable Limits and Compliance Monitoring Requirements
S-58 (TK-1702)—EXTERNAL FLOATING-ROOF TANK

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
HAP	63.646(a) 63.120 (b)(4)&(6)	Y		Secondary rim-seal standards; includes gap criteria	63.646(a) 63.120 (b)(1) & (2)	P/A	measurement and visual inspection

Table VII – C13
Applicable Limits and Compliance Monitoring Requirements
S-59 (TK-1703), S-60 (TK-1704), S-61 (TK-1705), S-62 (TK-1706)
MACT Group 1 EXTERNAL FLOATING-ROOF TANKS

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
BAAQMD and SIP Regulation 8-5	Organic Compounds - STORAGE OF ORGANIC LIQUIDS LIMITS AND MONITORING FOR FLOATING-ROOF TANKS						
<u>Vapor Pressure</u>	<u>BAAQMD 8-5-117</u> <u>SIP 8-5-117</u> <u>8-5-301</u>	<u>Y</u>		<u>True vapor pressure</u>	<u>BAAQMD 8-5-501.1</u>	<u>P/E initially and upon change of service</u>	<u>Look up table or sample analysis; Records</u>
<u>VOC</u>	<u>BAAQMD 8-5-301</u>	<u>Y</u>		<u>Record of liquids stored and true vapor pressure</u>	<u>BAAQMD 8-5-501.1</u>	<u>periodic initially and upon change of service</u>	<u>Records</u>
<u>VOC</u>	<u>BAAQMD 8-5-304.6</u> <u>8-5-304.6.1</u>	<u>N</u>		<u>External floating roof pontoon leak standards</u>	<u>BAAQMD 8-5-412</u>	<u>P/Q after leak is discovered until leak is repaired</u>	<u>Inspection</u>
<u>VOC</u>	<u>BAAQMD 8-5-304.6</u> <u>8-5-304.6.2</u>	<u>N</u>		<u>External floating roof pontoon repair standards</u>	<u>BAAQMD 8-5-304.6.2</u>	<u>P/E next removal from service after leak is discovered</u>	<u>Repair</u>
<u>VOC</u>	<u>BAAQMD 8-5-320</u> <u>SIP 8-5-320</u>	<u>Y</u>		<u>Floating roof fitting closure standards; includes gasketed covers</u>	<u>BAAQMD 8-5-401.2</u> <u>SIP 8-5-401.2</u>	<u>P/SA, or P/Q if enhanced monitoring</u>	<u>Measurement and visual inspection</u>

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – CJ3
Applicable Limits and Compliance Monitoring Requirements
S-59 (TK-1703), S-60 (TK-1704), S-61 (TK-1705), S-62 (TK-1706)
MACT Group 1 EXTERNAL FLOATING-ROOF TANKS

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 8-5-321 <u>SIP</u> <u>8-5-321</u>	Y		Primary rim-seal standards; includes gap criteria	BAAQMD 8-5-401.1 <u>SIP</u> <u>8-5-401.1</u>	P/SA, or P/Q <u>if enhanced monitoring</u> and every time a seal is replaced	Seal inspection
VOC	BAAQMD 8-5-322 <u>SIP</u> <u>8-5-322</u>	Y		Secondary rim-seal standards; includes gap criteria	BAAQMD 8-5-401.1 <u>SIP</u> <u>8-5-401.1</u>	P/SA, or P/Q <u>if enhanced monitoring</u> and every time a seal is replaced	Seal inspection
<u>VOC</u>	<u>BAAQMD</u> <u>8-5-328.1</u>	<u>N</u>		<u>Residual organic concentration of < 10,000 ppm as methane after degassing</u>	<u>BAAQMD</u> <u>8-5-328.1</u>	<u>P/each time emptied & degassed; 4 consecutive measurements at 15 minute intervals</u>	<u>Method 21 portable hydrocarbon detector</u>
VOC	<u>BAAQMD</u> <u>SIP</u> 8-5-328.1.2	Y		Concentration of < 10,000 ppm as methane after degassing	<u>BAAQMD</u> <u>SIP</u> 8-5-503	P/each time emptied & degassed	Portable hydrocarbon detector
<u>VOC</u>	<u>BAAQMD</u> <u>8-5-331</u>	<u>N</u>		<u>OPTION 1: Tank cleaning standards – use compliant cleaning agents (IBP>302F or TVP < 0.5 psia or VOC < 50 g/l)</u>	<u>BAAQMD</u> <u>8-5-606</u>	<u>None</u>	<u>Sample analysis</u>
				<u>OPTION 2: Tank cleaning standards - abate emissions to at least 90% by weight</u>	<u>BAAQMD</u> <u>8-5-502</u> <u>8-5-502.2</u> <u>8-5-603</u>	<u>P/A</u>	<u>Source Test</u>
<u>VOC</u>	<u>BAAQMD</u> <u>8-5-332</u>	<u>N</u>		<u>Tank sludge container standards</u>	<u>None</u>	<u>NA</u>	<u>None</u>
VOC		Y		Certification reports on tank inspections and source tests	BAAQMD 8-5-404 <u>SIP</u> <u>8-5-404</u> 8-5-405	P/after each tank inspection and source test	Reports
<u>VOC</u>		<u>Y</u>		<u>Record of liquids stored and true vapor pressure</u>	<u>BAAQMD</u> <u>8-5-501.1</u>	<u>P/ upon change</u>	<u>Records</u>

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – CJ3
Applicable Limits and Compliance Monitoring Requirements
S-59 (TK-1703), S-60 (TK-1704), S-61 (TK-1705), S-62 (TK-1706)
MACT Group 1 EXTERNAL FLOATING-ROOF TANKS

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
						<u>of service</u>	
VOC		Y		Records of tank seal replacement	BAAQMD 8-5-501.2	P/after each tank seal inspection	Records
VOC		Y		Determination of applicability	BAAQMD 8-5-604	P/E	look-up table or sample analysis
NESHAPS CC	40 CFR 63 Subpart CC – NESHAPS for Petroleum Refineries 40 CFR 63 Subpart G – SOCMHON LIMITS AND MONITORING FOR EXTERNAL FLOATING ROOF TANKS						
HAP	63.646(f)	Y		Deck fitting closure standards	63.646 (a) & (e) 63.120 (b)(10)	Each time emptied & degassed	visual inspection
HAP	63.646(a) 63.120 (b)(3)&(5)	Y		Primary rim-seal standards; includes gap criteria	63.646(a) 63.120 (b)(1) & (2)	5 yr intervals	measurement and visual inspection
HAP	63.646(a) 63.120 (b)(4)&(6)	Y		Secondary rim-seal standards; includes gap criteria	63.646(a) 63.120 (b)(1) & (2)	P/A	measurement and visual inspection

Table VII – DJ4
Applicable Limits and Compliance Monitoring Requirements
S-68 (TK-1716), S-72 (TK-1720)
 EXTERNAL FLOATING-ROOF TANK
EXEMPT LOW VAPOR PRESSURE TANKS, MACT GROUP 2

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
BAAQMD and SIP Regulation 8-5	Organic Compounds - STORAGE OF ORGANIC LIQUIDS LIMITS AND MONITORING FOR <u>EXEMPT</u> FLOATING-ROOF TANKS						
<u>Vapor Pressure</u>	<u>BAAQMD 8-5-117 SIP 8-5-117 BAAQMD Condition</u>	<u>Y</u>		<u>True vapor pressure not greater than 0.5 psia.</u>	<u>BAAQMD Condition #20762, Parts 1 & 3</u>	<u>P/E upon change of service</u>	<u>Look up table or sample analysis; Records</u>

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – ~~DJ4~~
Applicable Limits and Compliance Monitoring Requirements
S-68 (TK-1716), S-72 (TK-1720)
EXTERNAL FLOATING-ROOF TANK
EXEMPT LOW VAPOR PRESSURE TANKS, MACT GROUP 2

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
	<u>#20762, Part 1</u>						
VOC	BAAQMD 8-5-301	Y		Record of liquids stored and true vapor pressure	BAAQMD 8-5-501.1	periodic initially and upon change of service	Records
VOC	BAAQMD 8-5-320	Y		Floating roof fitting closure standards; includes gasketed covers	BAAQMD 8-5-401.2	P/SA	Measurement and visual inspection
VOC	BAAQMD 8-5-321	Y		Primary rim seal standards; includes gap criteria	BAAQMD 8-5-401.1	P/SA and every time a seal is replaced	Seal inspection
VOC	BAAQMD 8-5-322	Y		Secondary rim seal standards; includes gap criteria	BAAQMD 8-5-401.1	P/SA and every time a seal is replaced	Seal inspection
VOC	BAAQMD 8-5-328.1.2	Y		Concentration of <10,000 ppm as methane after degassing	BAAQMD 8-5-503	P/each time emptied & degassed	Portable hydrocarbon detector
VOC		Y		Certification reports on tank inspections and source tests	BAAQMD 8-5-404 8-5-405	P/after each tank inspection and source test	Reports
VOC		Y		Records of tank seal replacement	BAAQMD 8-5-501.2	P/after each tank seal inspection	Records
VOC		Y		Determination of applicability	BAAQMD 8-5-604	P/E	look-up table or sample analysis
NESHAPS CC	40 CFR 63 Subpart CC – NESHAPS for Petroleum Refineries <u>RECORDKEEPING ONLY REQUIREMENTS FOR GROUP II STORAGE VESSELS – RECORDKEEPING ONLY</u> 40 CFR 63 Subpart G – SOCMHON <u>LIMITS AND MONITORING FOR EXTERNAL FLOATING ROOF TANKS</u>						
HAP	63.641	Y		Retain weight percent total organic HAP in stored liquid for Group 2 determination	63.654(i)(1) (iv)	P/E	Record
HAP	63.646(f)	Y		Deck fitting closure standards	63.646 (a) & (e)	Each time emptied &	visual inspection

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – DJ4
Applicable Limits and Compliance Monitoring Requirements
S-68 (TK-1716), S-72 (TK-1720)
EXTERNAL FLOATING-ROOF TANK
EXEMPT LOW VAPOR PRESSURE TANKS, MACT GROUP 2

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
					63.120 (b)(10)	degassed	
HAP	63.646(a) 63.120 (b)(3)& (5)	Y		Primary rim seal standards; includes gap criteria	63.646(a) 63.120 (b)(1) & (2)	5-yr intervals	measurement and visual inspection
HAP	63.646(a) 63.120 (b)(4)& (6)	Y		Secondary rim seal standards; includes gap criteria	63.646(a) 63.120 (b)(1) & (2)	P/A	measurement and visual inspection

Table VII – EJ5
Applicable Limits and Compliance Monitoring Requirements
S-74 (TK-1734)
MACT GROUP 1 EXTERNAL FLOATING-ROOF TANK

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
BAAQMD and SIP Regulation 8-5	Organic Compounds - STORAGE OF ORGANIC LIQUIDS LIMITS AND MONITORING FOR FLOATING-ROOF TANKS						
Vapor Pressure	<u>BAAQMD</u> 8-5-117 8-5-301 <u>SIP</u> 8-5-117 8-5-301	Y		<u>True vapor pressure</u>	<u>BAAQMD</u> 8-5-501.1	<u>P/E</u> <u>initially and</u> <u>upon change</u> <u>of service</u>	<u>Look up table</u> <u>or sample</u> <u>analysis;</u> <u>Records</u>
VOC	<u>BAAQMD</u> 8-5-301	Y		<u>Record of liquids stored and</u> <u>true vapor pressure</u>	<u>BAAQMD</u> 8-5-501.1	<u>periodic</u> <u>initially and</u> <u>upon change</u> <u>of service</u>	<u>Records</u>
VOC	<u>BAAQMD</u> 8-5-304.6 8-5-304.6.1	N		<u>External floating roof</u> <u>pontoon repair standards</u>	<u>BAAQMD</u> 8-5-412	<u>P/Q after</u> <u>leak is</u> <u>discovered</u> <u>until leak is</u> <u>repaired</u>	<u>Inspection</u>
VOC	<u>BAAQMD</u>	N		<u>External floating roof</u>	<u>BAAQMD</u>	<u>P/E next</u>	<u>Repair</u>

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – EJ5
Applicable Limits and Compliance Monitoring Requirements
S-74 (TK-1734)
MACT GROUP 1 **EXTERNAL FLOATING-ROOF TANK**

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
	8-5-304.6 8-5-304.6.2			pontoon repair standards	8-5-304.6.2	removal from service after leak is discovered	
VOC	BAAQMD 8-5-320 SIP 8-5-320	Y		Floating roof fitting closure standards; includes gasketed covers	BAAQMD 8-5-401.2 SIP 8-5-401.2	P/SA, or P/Q if enhanced monitoring	Measurement and visual inspection
VOC	BAAQMD 8-5-321 SIP 8-5-321	Y		Primary rim-seal standards; includes gap criteria	BAAQMD 8-5-401.1 SIP 8-5-401.1	P/SA, or P/Q if enhanced monitoring and every time a seal is replaced	Seal inspection
VOC	BAAQMD 8-5-322 SIP 8-5-322	Y		Secondary rim-seal standards; includes gap criteria	BAAQMD 8-5-401.1 SIP 8-5-401.1	P/SA, or P/Q if enhanced monitoring and every time a seal is replaced	Seal inspection
VOC	BAAQMD 8-5-328.1	N		Residual organic concentration of < 10,000 ppm as methane after degassing	BAAQMD 8-5-328.1	P/each time emptied & degassed; 4 consecutive measurements at 15 minute intervals	Method 21 portable hydrocarbon detector
VOC	BAAQMD SIP 8-5-328.1.2	Y		Concentration of < 10,000 ppm as methane after degassing	BAAQMD SIP 8-5-503	P/each time emptied & degassed	Portable hydrocarbon detector
VOC	BAAQMD 8-5-331	N		OPTION 1: Tank cleaning standards – use compliant cleaning agents (IBP>302F or TVP < 0.5 psia or VOC < 50 g/l)	BAAQMD 8-5-606	None	Sample analysis
				OPTION 2: Tank cleaning standards - abate emissions to at least 90% by weight	BAAQMD 8-5-502 8-5-502.2 8-5-603	P/A	Source Test

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – EJ5
Applicable Limits and Compliance Monitoring Requirements
S-74 (TK-1734)
MACT GROUP 1 EXTERNAL FLOATING-ROOF TANK

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
<u>VOC</u>	<u>BAAQMD 8-5-332</u>	<u>N</u>		<u>Tank sludge container standards</u>	<u>None</u>	<u>NA</u>	<u>None</u>
VOC		Y		Certification reports on tank inspections and source tests	BAAQMD 8-5-404 <u>SIP</u> 8-5-404 8-5-405	P/after each tank inspection and source test	Reports
<u>VOC</u>		<u>Y</u>		<u>Record of liquids stored and true vapor pressure</u>	<u>BAAQMD 8-5-501.1</u>	<u>P/ upon change of service</u>	<u>Records</u>
VOC		Y		Records of tank seal replacement	BAAQMD 8-5-501.2	P/after each tank seal inspection	Records
<u>VOC</u>		<u>Y</u>		<u>Determination of applicability</u>	<u>BAAQMD 8-5-604</u>	<u>P/E</u>	<u>look-up table or sample analysis</u>
NESHAPS CC	40 CFR 63 Subpart CC – NESHAPS for Petroleum Refineries 40 CFR 63 Subpart G – SOCOMI HON LIMITS AND MONITORING FOR EXTERNAL FLOATING ROOF TANKS						
HAP	63.646(f)	Y		Deck fitting closure standards	63.646 (a) & (e) 63.120 (b)(10)	Each time emptied & degassed	visual inspection
HAP	63.646(a) 63.120 (b)(3)&(5)	Y		Primary rim-seal standards; includes gap criteria	63.646(a) 63.120 (b)(1) & (2)	5 yr intervals	measurement and visual inspection
HAP	63.646(a) 63.120 (b)(4)&(6)	Y		Secondary rim-seal standards; includes gap criteria	63.646(a) 63.120 (b)(1) & (2)	P/A	measurement and visual inspection

Table VII—J6
Applicable Limits and Compliance Monitoring Requirements
S-72 (TK-1720)
EXTERNAL FLOATING-ROOF TANK

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
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VII. Applicable Limits and Compliance Monitoring Requirements

Table VII—J6
Applicable Limits and Compliance Monitoring Requirements
S-72 (TK-1720)
EXTERNAL-FLOATING-ROOF-TANK

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
BAAQMD 8-5	Organic Compounds—STORAGE OF ORGANIC LIQUIDS LIMITS AND MONITORING FOR FLOATING-ROOF TANKS						
VOC	BAAQMD 8-5-301	Y		Record of liquids stored and true vapor pressure	BAAQMD 8-5-501.1	periodic initially and upon change of service	Records
VOC	BAAQMD 8-5-320	Y		Floating roof fitting closure standards; includes gasketed covers	BAAQMD 8-5-401.2	P/SA	Measurement and visual inspection
VOC	BAAQMD 8-5-321	Y		Primary rim seal standards; includes gap criteria	BAAQMD 8-5-401.1	P/SA and every time a seal is replaced	Seal inspection
VOC	BAAQMD 8-5-322	Y		Secondary rim seal standards; includes gap criteria	BAAQMD 8-5-401.1	P/SA and every time a seal is replaced	Seal inspection
VOC	BAAQMD 8-5-328.1.2	Y		Concentration of < 10,000 ppm as methane after degassing	BAAQMD 8-5-503	P/each time emptied & degassed	Portable hydrocarbon detector
VOC		Y		Certification reports on tank inspections and source tests	BAAQMD 8-5-404 8-5-405	P/after each tank inspection and source test	Reports
VOC		Y		Records of tank seal replacement	BAAQMD 8-5-501.2	P/after each tank seal inspection	Records
VOC		Y		Determination of applicability	BAAQMD 8-5-604	P/E	look-up-table or sample analysis
NESHAPS CC	40 CFR 63 Subpart CC—NESHAPS for Petroleum Refineries 40 CFR 63 Subpart G—SOCMIHON LIMITS AND MONITORING FOR EXTERNAL-FLOATING ROOF TANKS						
HAP	63.646(f)	Y		Deck fitting closure standards	63.646 (a) & (c) 63.120 (b)(10)	Each time emptied & degassed	visual inspection
HAP	63.646(a)	Y		Primary rim seal standards;	63.646(a)	5-yr intervals	measurement

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII—J6
Applicable Limits and Compliance Monitoring Requirements
S-72 (TK-1720)
EXTERNAL FLOATING ROOF TANK

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
	63.120 (b)(3)&(5)			includes gap criteria	63.120 (b)(1) & (2)		and visual inspection
HAP	63.646(a) 63.120 (b)(4)&(6)	Y		Secondary rim seal standards; includes gap criteria	63.646(a) 63.120 (b)(1) & (2)	P/A	measurement and visual inspection

Table VII – FJ15
Applicable Limits and Compliance Monitoring Requirements
S-70 (TK-1718), S-71 (TK-1719)
EXEMPT FIXED ROOF TANKS WITH VAPOR RECOVERY TO FUEL GAS

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
BAAQMD and SIP Regulation 8-5	Organic Compounds - STORAGE OF ORGANIC LIQUIDS LIMITS AND MONITORING FOR EXEMPT FIXED-ROOF TANKS						
Vapor Pressure	BAAQMD Regulation 8-5-117 SIP 8-5-117 BAAQMD Condition #20762, Part 1	Y		True vapor pressure not greater than 0.5 psia.	BAAQMD Regulation 8-5-501.1 BAAQMD Condition #20762, Parts 1 & 3	P/E upon change of service	Look up table or sample analysis: Records
NONE	40 CFR 63 Subpart CC – NESHAPS for Petroleum Refineries Exempt per 63.640(d)(5). Emission point routed to fuel gas system.						

Table VII – GJ33
Applicable Limits and Compliance Monitoring Requirements
S-67 (TK-1715)
EXTERNAL FLOATING ROOF TANK - BENZENE WASTEWATER

VII. Applicable Limits and Compliance Monitoring Requirements

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
BAAQMD Regulation 8-5	Organic Compounds - STORAGE OF ORGANIC LIQUIDS LIMITS AND MONITORING FOR FLOATING-ROOF TANKS						
<u>Vapor Pressure</u>	<u>BAAQMD 8-5-117 8-5-301 SIP 8-5-117 8-5-301</u>	<u>Y</u>		<u>True vapor pressure</u>	<u>BAAQMD 8-5-501.1</u>	<u>P/E initially and upon change of service</u>	<u>Look up table or sample analysis; Records</u>
<u>VOC</u>	<u>BAAQMD 8-5-301</u>	<u>Y</u>		<u>Record of liquids stored and true vapor pressure</u>	<u>BAAQMD 8-5-501.1</u>	<u>periodic initially and upon change of service</u>	<u>Records</u>
<u>VOC</u>	<u>BAAQMD 8-5-304.6 8-5-304.6.1</u>	<u>N</u>		<u>External floating roof pontoon leak standards</u>	<u>BAAQMD 8-5-412</u>	<u>P/Q after leak is discovered until leak is repaired</u>	<u>Inspection</u>
<u>VOC</u>	<u>BAAQMD 8-5-304.6 8-5-304.6.2</u>	<u>N</u>		<u>External floating roof pontoon repair standards</u>	<u>BAAQMD 8-5-304.6.2</u>	<u>P/E next removal from service after leak is discovered</u>	<u>Repair</u>
<u>VOC</u>	<u>BAAQMD 8-5-320 SIP 8-5-320</u>	<u>Y</u>		<u>Floating roof fitting closure standards; includes gasketed covers</u>	<u>BAAQMD 8-5-401.2 SIP 8-5-401.2</u>	<u>P/SA, or P/Q if enhanced monitoring</u>	<u>Measurement and visual inspection</u>
<u>VOC</u>	<u>BAAQMD 8-5-321 SIP 8-5-321</u>	<u>Y</u>		<u>Primary rim-seal standards; includes gap criteria</u>	<u>BAAQMD 8-5-401.1 SIP 8-5-401.1</u>	<u>P/SA, or P/Q if enhanced monitoring, and every time a seal is replaced</u>	<u>Seal inspection</u>
<u>VOC</u>	<u>BAAQMD 8-5-322 SIP 8-5-322</u>	<u>Y</u>		<u>Secondary rim-seal standards; includes gap criteria</u>	<u>BAAQMD 8-5-401.1 SIP 8-5-401.1</u>	<u>P/SA, or P/Q if enhanced monitoring, and every time a seal is replaced</u>	<u>Seal inspection</u>
<u>VOC</u>	<u>BAAQMD 8-5-328.1</u>	<u>N</u>		<u>Residual organic concentration of < 10,000 ppm as methane after degassing</u>	<u>BAAQMD 8-5-328.1</u>	<u>P/each time emptied & degassed; 4 consecutive measurements at 15 minute</u>	<u>Method 21 portable hydrocarbon detector</u>

VII. Applicable Limits and Compliance Monitoring Requirements

**Table VII – GJ33
 Applicable Limits and Compliance Monitoring Requirements
 S-67 (TK-1715)
 EXTERNAL FLOATING ROOF TANK - BENZENE WASTEWATER**

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
						<u>intervals</u>	
VOC	<u>BAAQMD SIP</u> 8-5-328.1.2	Y		Concentration of < 10,000 ppm as methane after degassing	<u>BAAQMDSIP</u> 8-5-503	P/each time emptied & degassed	Portable hydrocarbon detector
<u>VOC</u>	<u>BAAQMD</u> <u>8-5-331</u>	<u>N</u>		<u>OPTION 1: Tank cleaning standards – use compliant cleaning agents (IBP>302F or TVP < 0.5 psia or VOC < 50 g/l)</u>	<u>BAAQMD</u> <u>8-5-606</u>	<u>None</u>	<u>Sample analysis</u>
				<u>OPTION 2: Tank cleaning standards - abate emissions to at least 90% by weight</u>	<u>BAAQMD</u> <u>8-5-502</u> <u>8-5-502.2</u> <u>8-5-603</u>	<u>P/A</u>	<u>Source Test</u>
<u>VOC</u>	<u>BAAQMD</u> <u>8-5-332</u>	<u>N</u>		<u>Tank sludge container standards</u>	<u>None</u>	<u>NA</u>	<u>None</u>
VOC		Y		Certification reports on tank inspections and source tests	BAAQMD 8-5-404 <u>SIP</u> <u>8-5-404</u> 8-5-405	P/after each tank inspection and source test	reports
<u>VOC</u>		<u>Y</u>		<u>Record of liquids stored and true vapor pressure</u>	<u>BAAQMD</u> <u>8-5-501.1</u>	<u>P/ upon change of service</u>	<u>Records</u>
VOC		Y		Records of tank seal replacement	BAAQMD 8-5-501.2	P/after each tank seal inspection	records
<u>VOC</u>		<u>Y</u>		<u>Determination of applicability</u>	<u>BAAQMD</u> <u>8-5-604</u>	<u>P/E</u>	<u>look-up-table or sample analysis</u>
NONE	National Emission Standard for Petroleum Refineries (Refinery MACT) Wastewater source exempt from storage vessel provisions per 63.641 storage vessel definition. Subject to NESHAPS FF as a wastewater source per 63.647(a).						
NESHAPS FF and NSPS Kb	40 CFR 61 Subpart FF – NESHAPS for Benzene Waste Sources 40 CFR 60 Subpart Kb – NSPS for VOL Storage Tanks						
VOC	63.647(a), 61.351 (a)(2), 60.112b(a) (2)(ii)	Y		Deck fitting closure standards	63.647(a), 61.351(a)(2), 60.113b(b)(6)	Each time emptied & degassed	visual inspection
VOC	63.647(a),	Y		Primary rim-seal standards;	63.647(a),	5 yr intervals	measurement

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – GJ33
Applicable Limits and Compliance Monitoring Requirements
S-67 (TK-1715)
EXTERNAL FLOATING ROOF TANK - BENZENE WASTEWATER

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
	61.351 (a)(2), 60.113b (b)(4)(i)			includes gap criteria	61.351(a)(2), 60.113b(b)(1), (2) & (3)		and visual inspection
VOC	63.647(a), 61.351 (a)(2), 60.113b (b)(4)(ii)	Y		Secondary rim-seal standards; includes gap criteria	63.647(a), 61.351(a)(2), 60.113b(b)(1), (2) & (3)	P/A	measurement and visual inspection

VIII. TEST METHODS

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

**Table VIII
Test Methods**

Applicable Requirement	Description of Requirement	Acceptable Test Methods
BAAQMD Regulation 8-5-117 SIP 8-5-117 BAAQMD Condition 20762 Part 1	Low Vapor Pressure Exemption for Tanks	Manual of Procedures, Volume III, Lab Method 28, <u>Determination of Vapor Pressure of Organic Liquids from Storage Tanks, if organic compound is not listed in Table 1</u>
BAAQMD Regulation 8-5-301 8-5-501.1 8-5-602 8-5-604 SIP 8-5-301	<u>Determination of Applicability based on</u> True Vapor Pressure	<u>BAAQMD 8-5 Table I</u> , 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 1
BAAQMD Regulation 8-5-304.6.1 8-5-605.1 8-5-605.2	Leaking EFR pontoon standards – gas tight	EPA Method 21 [40 CFR 60 Appendix A] Determination of Volatile Organic Compound Leaks – Portable hydrocarbon detector
BAAQMD Regulation 8-5-303.2 8-5-306, 8-5-307	Organic compound leak concentration	EPA Method 21 (40 CFR 60, Appendix A), Determination of Volatile Organic Compound Leaks) – Portable hydrocarbon detector
BAAQMD Regulation 8-5-306	Tank Emission Control System Requirements, 95% Abatement Efficiency	Manual of Procedures, Volume IV, ST 4, Bulk Gasoline Loading Terminals
BAAQMD Regulation SIP 8-5-320	Floating Roof Tank (internal and external) tank fitting gap measurement	Physical measurements as described in BAAQMD 8-5-320/ <u>SIP 8-5-320</u> when required in BAAQMD 8-5-401.2 (external floating roof tanks) or 8-5-402.3 (internal floating roof tanks);
BAAQMD Regulation SIP 8-5-321	Floating Roof Tank (internal and external) primary rim seal gap measurement	Physical measurements as described in BAAQMD 8-5-321 when required in BAAQMD 8-5-401.1 (external floating roof tanks) or 8-5-402.1 (internal floating roof tanks);

VIII. Test Methods

**Table VIII
 Test Methods**

Applicable Requirement	Description of Requirement	Acceptable Test Methods
BAAQMD 8-5-322 Regulation SIP 8-5-322	Floating Roof Tank (internal and external) secondary rim seal gap measurement	Physical measurements as described in BAAQMD 8-5-322 when required in BAAQMD 8-5-401.1 (external floating roof tanks) or 8-5-402.1 (internal floating roof tanks) .
BAAQMD 8-5-328.1 8-5-502.2 8-5-603 Regulation SIP 8-5-328.1.2 8-5-603.2	Tank Degassing Emission Control System, 90% Abatement Efficiency Requirements	Manual of Procedures, Volume IV, ST-7, Non-Methane Organic Carbon Sampling
BAAQMD 8-5-328.1 8-5-605.1 8-5-605.2 Regulation SIP 8-5-328.1.2	Organic concentration in tank < 10,000 ppm as methane after degassing	EPA Method 21 [40 CFR 60, Appendix A], Determination of Volatile Organic Compound Leaks
BAAQMD 8-5-331 8-5-331.1 8-5-606	Tank cleaning material standards: IBP > 302 F; TVP < 0.5 psia; VOC < 50 g/l	IBP: ASTM D-1078-93; TVP: Manual of Procedures, Volume III, Lab Method 28; VOC: Manual of Procedures, Volume III, Lab Method 31; Alternate method with written approval from APCO and EPA.
BAAQMD 8-5-331 8-5-502.2 8-5-603	Tank Cleaning Emission Control System, 90% Abatement Efficiency Requirements	Manual of Procedures, Volume IV, ST-7, Non-Methane Organic Carbon Sampling
BAAQMD 8-5-603.2	VOC emissions for tank degassing	Manual of Procedures, Volume IV, ST-7, Non-Methane Organic Carbon Sampling
BAAQMD 8-5-605	Pressure Vacuum Valve Gas Tight Determination	EPA reference method 21 (40 CFR 60, Appendix A), Determination of Volatile Organic Compound Leaks
BAAQMD 8-6-603	True Vapor Pressure	Manual of Procedures, Volume III, ST-3, Lab Method 28, Determination of Vapor Pressure of Organic Liquids
BAAQMD Regulation 8-7-301	Phase I Vapor Recovery Efficiency Requirements	Manual of Procedures, Volume IV, ST-36, Gasoline Dispensing Facility Phase I Volumetric Efficiency, or as prescribed by CARB Test Procedure TP-201.1
40 CFR 60 Subpart Kb 60.112b(a)	Vapor Pressure	ASTM Method D2879-83, 96, or 97. Test Method for Vapor Pressure-Temperature Relationship and Initial Decomposition Temperature of Liquids by Isoteniscope.
40 CFR 60 Subpart Kb 60.112b (a)(3)(i)	NSPS Subpart Kb Closed Vent System—leak detection	EPA Method 21 (40 CFR 60 Appendix A) Determination of Volatile Organic Compound Leaks) as specified in 40 CFR 60 Subpart VV 60.485(b)

VIII. Test Methods

**Table VIII
 Test Methods**

Applicable Requirement	Description of Requirement	Acceptable Test Methods
40 CFR 60 Subpart Kb 60.112b (a)(3)(ii)	NSPS Subpart Kb Closed Vent System Performance (95% efficiency)	40 CFR 60 Subpart Kb 60.113b(e) Testing and Procedures
40 CFR 60 Subpart Kb 60.113b (b)(4)(i)	NSPS Subpart Kb External Floating Roof Tank primary rim seal gap measurement	40 CFR 61 Subpart Kb 60.113b(b)(1) through 60.113b(b)(3) Testing and Procedures
40 CFR 60 Subpart Kb 60.113b (b)(4)(ii)	NSPS Subpart Kb External Floating Roof Tank secondary rim seal gap measurement	40 CFR 61 Subpart Kb 60.113b(b)(1) through 60.113b(b)(3) Testing and Procedures
40 CFR 61 Subpart FF 61.343 (a)(1)(i)(A)	Tank fittings leak detection	EPA Method 21 (40 CFR 60 Appendix A) Determination of Volatile Organic Compound Leaks) as specified in 40 CFR 60 Subpart VV 60.485(b)
40 CFR 61 Subpart FF 61.345 (a)(1)(i)	Container fittings leak detection	EPA Method 21 (40 CFR 60 Appendix A) Determination of Volatile Organic Compound Leaks) as specified in 40 CFR 60 Subpart VV 60.485(b)
40 CFR 61 Subpart FF 61.349 (a)(1)(i)	Closed vent system leak detection	EPA Method 21 (40 CFR 60 Appendix A) Determination of Volatile Organic Compound Leaks) as specified in 40 CFR 60 Subpart VV 60.485(b)
40 CFR 61 Subpart FF 61.349(a)(2) (i)(A)	Enclosed Combustion Control Device Requirements, > 95% Reduction	40 CFR 61 Subpart FF 61.355 Test Methods, Procedures, and Compliance Provisions
40 CFR 61 Subpart FF 61.349(a)(2) (ii)	Carbon Adsorption Control Device Requirements, 95% VOC or 98% benzene reduction	40 CFR 61 Subpart FF 61.356 Recordkeeping Requirements
40 CFR 61 Subpart FF 61.342(e)(2)(i)	Uncontrolled Benzene Wastewater Limit Benzene in Wastes subject to 6 Mg/year limit	40 CFR 61 Subpart FF 61.355 Test Methods, Procedures, and Compliance Provisions
40 CFR 61 Subpart FF 61.355(c)(3)	Measure benzene concentration in waste streams	From "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Publication No. SW-846: (1) Method 8020, Aromatic Volatile Organics, (2) Method 8021, Volatile Organic Compounds in Water by Purge and Trap Capillary Column Gas Chromatography with Photoionization and Electrolytic Conductivity Detectors in Series (3) Method 8240, Gas Chromatography/Mass Spectrometry for Volatile Organics

VIII. Test Methods

**Table VIII
 Test Methods**

Applicable Requirement	Description of Requirement	Acceptable Test Methods
		(4) Method 8260, Gas Chromatography/Mass Spectrometry for Volatile Organics: Capillary Column Technique From 40 CFR Part 136, Appendix A, Test Procedures for Analysis of Organic Pollutants, for wastewaters for which these are approved EPA methods: (1) Method 602, Purgeable Aromatics, (2) Method 624, Purgeables
40 CFR 61 Subpart FF 61.355(h)	Test equipment for compliance with no detectable emissions requirements of 40 CFR 61 Subpart FF	EPA Method 21 (40 CFR 60, Appendix A), Determination of Volatile Organic Compound Leaks)
40 CFR 61 Subpart FF 61.355(i)	Demonstrate compliance of a control device with a performance test	40 CFR 60, Appendix A, Method 1 or 1A 40 CFR 60, Appendix A, Method 2, 2A, 2C, or 2D 40 CFR 60, Appendix A, Method 18
40 CFR 63 Subpart CC 63-646(a) 40 CFR 63 Subpart G 60.120(b)(3) 60.120(b)(5)	Refinery MACT (40 CFR 63 Subpart CC) Group 1 external floating roof tanks primary rim-seal gap measurement	40 CFR 63 Subpart G 60.120(b)(1) and 60.120(b)(2) Procedures to Determine Compliance
40 CFR 63 Subpart CC 63-646(a) 40 CFR 63 Subpart G 60.120(b)(4) 60.120(b)(6)	Refinery MACT (40 CFR 63 Subpart CC) Group 1 external floating roof tanks secondary rim-seal gap measurement	40 CFR 63 Subpart G 60.120(b)(1) and 60.120(b)(2) Procedures to Determine Compliance

IX. PERMIT SHIELD

A. 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[s] do not apply to the source or group of sources identified at the top of the table[s]. 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	None	None

B. 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[s] 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 Subsumed Requirements
 S1, S2, S4, AND S23, CRUDE STORAGE TANKS**

Subsumed Requirement Citation	Title or Description	Streamlined Requirements	Title or Description
NSPS Subpart Kb, 40 CFR 60.113b(b)(1)(i) and (ii)	Measurement of gaps between tank wall and primary and secondary seals at least once per 5 years and at least once per year, respectively.	BAAQMD Condition # 1240 21738 Part II.13	Quarterly inspection of primary and secondary tank seals <u>and fittings for S1, S2, S4, S23. Include all items required by BAAQMD 8-5 and 40 CFR 60.113b(b).</u>
<u>BAAQMD 8-5-401.1</u>	<u>Primary and secondary seal gap measurements twice per calendar year at 4 to 8 month intervals or four times per calendar year at 2 to 4 month</u>	<u>BAAQMD Condition # 21738 Part II.13</u>	<u>Quarterly inspection of primary and secondary tank seals and fittings for S1, S2, S4, S23. Include all items required by BAAQMD 8-5 and 40 CFR 60.113b(b).</u>

IX. Permit Shield

Table IX B - 1
Permit Shield for Subsumed Requirements
S1, S2, S4, AND S23, CRUDE STORAGE TANKS

Subsumed Requirement Citation	Title or Description	Streamlined Requirements	Title or Description
	<u>intervals for tanks subject to enhanced monitoring per 8-5-411.</u>		
<u>BAAQMD 8-5-401.2</u>	<u>Tank fitting inspections twice per calendar year at 4 to 8 month intervals or four times per calendar year at 2 to 4 month intervals for tanks subject to enhanced monitoring per 8-5-411.</u>	<u>BAAQMD Condition # 21738 Part II.13</u>	<u>Quarterly inspection of primary and secondary tank seals and fittings for S1, S2, S4, S23. Include all items required by BAAQMD 8-5 and 40 CFR 60.113b(b).</u>
<u>SIP 8-5-401.1</u>	<u>Primary and secondary seal gap measurements twice per calendar year at 4 to 8 month intervals</u>	<u>BAAQMD Condition # 21738 Part II.13</u>	<u>Quarterly inspection of primary and secondary tank seals and fittings for S1, S2, S4, S23. Include all items required by BAAQMD 8-5 and 40 CFR 60.113b(b).</u>
<u>SIP 8-5-401.2</u>	<u>Tank fitting inspections twice per calendar year at 4 to 8 month intervals</u>	<u>BAAQMD Condition # 21738 Part II.13</u>	<u>Quarterly inspection of primary and secondary tank seals and fittings for S1, S2, S4, S23. Include all items required by BAAQMD 8-5 and 40 CFR 60.113b(b).</u>

X. GLOSSARY

ACT

Federal Clean Air Act

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.

C5

An Organic chemical compound with five carbon atoms

C6

An Organic chemical compound with six carbon atoms

CAA

The federal Clean Air Act

CAAQS

California Ambient Air Quality Standards

CAPCOA

California Air Pollution Control Officers Association

CEC

California Energy Commission

CEM

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

X. Glossary

CEQA

California Environmental Quality Act

CFP

Clean Fuels Project

CFR

The Code of Federal Regulations. 40 CFR contains the implementing regulations for federal environmental statutes such as the Clean Air Act. Parts 50-99 of 40 CFR contain the requirements for air pollution programs.

CO

Carbon Monoxide

CO₂

Carbon Dioxide

COM

Continuous Opacity Monitor

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.

DAF

A "dissolved air flotation" unit is a process vessel where air bubbles injected at the bottom of the vessel are used to carry solids in the liquid into a froth on the liquid surface, where it is removed.

DNF

Dissolved Nitrogen Flotation (See DAF)

dscf

Dry Standard Cubic Feet

dscm

Dry Standard Cubic Meter

DWT

Dead Weight Ton

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 $(4.53) \times (10^6) = (4.53) \times (10 \times 10 \times 10 \times 10 \times 10 \times 10) = 4,530,000$.

X. 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.

District

The Bay Area Air Quality Management District

EPA

The federal Environmental Protection Agency.

ETP

Effluent Treatment Plant

Excluded

Not subject to any District regulations.

FCC

Fluid Catalytic Cracker

Federally Enforceable, FE

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

FP

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

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

X. Glossary

Graphitic

Made of graphite.

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.

H₂S

Hydrogen Sulfide

H₂SO₄

Sulfuric Acid

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.

ISOM

Isomerization plant

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.

Long ton

2200 pounds

Major Facility

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

X. Glossary

air pollutants as determined by the EPA administrator.

MDEA

Methyl Diethanolamine

MFR

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

Mo Gas

Motor gasoline

MOP

The District's Manual of Procedures.

MOSC

Mobil Oil Sludge Conversion (licensed technology)

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. See in 40 CFR Parts 61 and 63

NMHC

Non-methane Hydrocarbons

NMOC

Non-methane Organic Compounds (Same as NMHC)

NO_x

Oxides of nitrogen.

NSPS

Standards of Performance for New Stationary Sources. Federal standards for emissions from new stationary sources. Mandated by Title I, Section 111 of the Federal Clean Air Act, and implemented by 40 CFR Part 60 and District Regulation 10.

NSR

X. Glossary

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, NO_x, PM₁₀, and SO₂.

Phase II Acid Rain Facility

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

POC

Precursor Organic Compounds

PM

Particulate Matter

PM₁₀

Particulate matter with aerodynamic equivalent diameter of less than or equal to 10 microns

Process Unit

For the purpose of start-up and shutdown reporting, a process unit is defined as in 40 CFR Part 60 Subpart GGG: Process Unit means components assembled to produce intermediate or final products from petroleum, unfinished petroleum derivatives, or other intermediates; a process unit can operate independently if supplied with sufficient feed or raw materials and sufficient storage facilities for the product.

PSD

Prevention of Significant Deterioration. A federal program for permitting new and modified sources of those air pollutants for which the District is classified "attainment" of the National Air Ambient Quality Standards. Mandated by Title I of the Act and implemented by both 40 CFR Part 52 and District Regulation 2, Rule 2.

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.

RFG

Refinery Fuel Gas

X. Glossary

RMG

Refinery Make Gas

SCR

A "selective catalytic reduction" unit is an abatement device that reduces NO_x concentrations in the exhaust stream of a combustion device. SCRs utilize a catalyst, which operates at a specific temperature range, and injected ammonia to promote the conversion of NO_x compounds to nitrogen gas.

SIP

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

SO₂

Sulfur dioxide

SO₂ Bubble

An SO₂ bubble is an overall cap on the SO₂ emissions from a defined group of sources, or from an entire facility. SO₂ bubbles are sometimes used at refineries because combustion sources are typically fired entirely or in part by "refinery fuel gas" (RFG), a waste gas product from refining operations. Thus, total SO₂ emissions may be conveniently quantified by monitoring the total amount of RFG that is consumed, and the concentration of H₂S and other sulfur compounds in the RFG.

SO₃

Sulfur trioxide

Start-up

For reporting purposes only, a start-up shall be defined as any of the following; the removal of boundary blinds, first fire to a furnace, or the introduction of process feed to a unit. A start-up only occurs following a shutdown unless it involves a newly constructed process unit.

Shutdown

For reporting purposes only, a shutdown shall be defined as any of the following; there is no process feed to a unit, no furnace fires, or the boundary blinds are installed.

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.

X. Glossary

TOC

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

TPH

Total Petroleum Hydrocarbons

TRMP

Toxic Risk Management Plan

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 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

VOC

Volatile Organic Compounds

Units of Measure:

bbl	=	barrel
bhp	=	brake-horsepower
btu	=	British Thermal Unit
C	=	degrees Celcius
d	=	day
F	=	degrees Farenheight
f ³	=	cubic feet
g	=	grams
gal	=	gallon
gpm	=	gallons per minute
hp	=	horsepower
hr	=	hour
lb	=	pound
in	=	inches
k	=	thousand
M	=	thousand
m ²	=	square meter
max	=	maximum

X. Glossary

Mg	=	mega-gram, one thousand grams
µg	=	micro-gram, one millionth of a gram
min	=	minute
MM	=	million
mm	=	millimeter
MMbtu	=	million btu
mm Hg	=	millimeters of Mercury (pressure)
MW	=	megawatts
mo	=	month
ppmv	=	parts per million, by volume
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
yr	=	year

Symbols:

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

~~XI. APPLICABLE STATE IMPLEMENTATION PLAN~~

~~The Bay Area Air Quality Management District's portion of the State Implementation Plan can be found at 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+Provision>~~

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