Bay Area Air Quality Management District

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

FINAL

MAJOR FACILITY REVIEW PERMIT

Issued To:

Tesoro Logistics Operations LLC
Facility #E1200

Facility Addresses:

Tesoro Logistics Operations LLC, Amorco Terminal
1750 Marina Vista Way, Martinez, CA 94553

Mailing Address:

Tesoro Logistics Operations LLC, Amorco Terminal
c/o Golden Eagle Refinery, Environmental Services Department
150 Solano Way
Martinez, CA 94553

Responsible Official	**Facility Contact**
Greg Henderson	Mark Hall
Vice President, Logistic Operations	Supervisor Area Zone Operations
Tesoro Logistics Operations, LLC	Tesoro Logistics Operations LLC
Tesoro Logistics GP, LLC	Golden Eagle Refinery
(210) 626-9598	(925) 335-3585

Type of Facility:	**Petroleum Refining**	BAAQMD Engineering Division Contact:
Primary SIC:	2911	Arthur P. Valla
Product:	Crude Oil	

ISSUED BY THE BAY AREA AIR QUALITY MANAGEMENT DISTRICT

Signed by Jim Karas — August 5, 2013

Jim Karas, Director of Engineering Division — Date

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I. STANDARD CONDITIONS

A. Administrative Requirements

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

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

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

1. This Major Facility Review Permit was issued on June 28, 2011, and expires on June 27, 2016. The permit holder shall submit a complete application for renewal of this Major Facility Review Permit no later than December 27, 2015, and no earlier than June 27, 2015. **If a complete application for renewal has not been submitted in accordance with this deadline, the facility may not operate after June 27, 2016.** If the permit renewal has not been issued by June 27, 2016, 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

I. Standard Conditions

and conditions of this permit will constitute a violation of the law and will be grounds for enforcement action; permit termination, revocation and re-issuance, or modification; or denial of a permit renewal application. (Regulation 2-6-307; MOP Volume II, Part 3, §4.11)

3. In the event any enforcement action is brought as a result of a violation of any term or condition of this permit, the fact that it would have been necessary for the permittee to halt or reduce the permitted activity in order to maintain compliance with such term or condition shall not be a defense to such enforcement action. (MOP Volume II, Part 3, §4.11)
4. This permit may be modified, revoked, reopened and reissued, or terminated for 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 2-6-409.20, MOP

I. Standard Conditions

Volume II, Part 3, §4.11)

12. The permit holder is responsible for compliance, and certification of compliance, with all conditions of the permit, regardless whether it acts through employees, agents, contractors, or subcontractors. (Regulation 2-6-307)

C. Requirement to Pay Fees

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

D. Inspection and Entry

Access to Facility: The permit holder shall provide reasonable access to the facility and equipment, 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, 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 from the date of issuance to June 30th or December 31st, whichever comes first. The report shall be submitted by July 31st or January 31st, whichever comes first after the reporting period. Subsequent reports shall be for the following reporting periods: January 1st through June 30th and July 1st through December 31st, and are due on the last day of the month after the end of the reporting period. All instances of non-compliance shall be clearly identified in these reports. The reports shall be certified by the responsible official as true, accurate, and complete. In addition, all instances of non-compliance with the permit shall be reported in writing to the District's Compliance and Enforcement Division within 10 calendar days of the discovery of the incident. Within 30 calendar days of the discovery of any incident of non-compliance, the facility shall submit a written report including the probable cause of non-compliance and any corrective or preventative actions. The reports shall be sent to the following address:

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

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

I. Standard Conditions

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. 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-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)

I. Standard Conditions

J. Miscellaneous Conditions

1. In Table IIA, for each source with a capacity identified as a firm limit, the maximum capacity for each source as shown in Table IIA 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. In Table IIA, for each source identified as a grandfathered source, the throughput limits as shown in Table IIA are based upon District records at the time of the MFR permit issuance. These throughput limits function as reporting thresholds only and exceedance of any of these limits does not constitute noncompliance with the MFR permit. As such, exceedance of a grandfathered limit is not subject to Section I.F reporting requirements. Exceedance of a grandfathered limit does not establish a presumption that a modification has occurred, nor does compliance with the limit establish a presumption that a modification has not occurred. The facility must report any exceedance of these limits in the form of a permit application within 30 days of discovery to facilitate the determination of whether a modification has occurred. The applications shall be sent to the following address: (Regulation 2-1-234.3).

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

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

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

K. Accidental Release

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

II. EQUIPMENT

Table II A – Permitted Sources

Each of the following sources has been issued a permit to operate pursuant to the requirements of BAAQMD Regulation 2, Permits. The capacities in this table are the maximum allowable capacities pursuant to 2-1-301. Throughput limits function as reporting thresholds as described in Standard Conditions J.

S-#	Description	Make or Type	Model	Capacity	Grandfathered Limit, or Firm Limit and Basis
19	Tank B-19 Crude Oil	External floating roof		3318K gal 70,080 K bbl/12 consecutive months crude oil (limit applies to S19, S21, S30, S49, and S50 combined)	Firm Limit Condition #22455, part 9
21	Tank B-21 Crude Oil, Gasoline	External floating roof		3276K gal 70,080 K bbl/12 consecutive months crude oil (limit applies to S19, S21, S30, S49, and S50 combined)	Firm Limit Condition #22455, part 9
30	Tank B-30 Crude Oil, Gasoline	External floating roof		3318K gal 70,080 K bbl/12 consecutive months crude oil (limit applies to S19, S21, S30, S49, and S50 combined)	Firm Limit Condition #22455, part 9
49	Tank B-49 Crude Oil	External floating roof		5964K gal 70,080 K bbl/12 consecutive months crude oil (limit applies to S19, S21, S30, S49, and S50 combined)	Firm Limit Condition #22455, part 9
50	Tank B-50 Crude Oil	External floating roof		5922K gal 70,080 K bbl/12 consecutive months crude oil (limit applies to S19, S21, S30, S49, and S50 combined)	Firm Limit Condition #22455, part 9
56	On-shore Diesel Fire-Water Pump	Caterpillar	3412DIT	34.2 gal/hr, 660 hp, 50 hrs/yr	Firm Limit Condition #23811 part 1 New Source Review

III. Generally Applicable Requirements

Table II B- –Sources Exempt From Permitting

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

S-#	Description	Make or Type	Model	Capacity	Comment (Exemption Citation)
45	Tank B-45 Black, Multi-liquid	Fixed roof tank		1134K gal	2-1-123.2 (aqueous) OR 2-1-123.3.2 (low VP organic)
46	Tank B-46 Black, Multi-liquid	Fixed roof tank		1134K gal	2-1-123.2 (aqueous) OR 2-1-123.3.2 (low VP organic)

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.

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NOTE:

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

Table III
Generally Applicable Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)
BAAQMD Regulation 1	General Provisions and Definitions (05/04/2011)	N
SIP Regulation 1	General Provisions and Definitions (06/28/1999)	Y
BAAQMD Regulation 2, Rule 1	General Requirements (04/18/2012)	N
SIP Regulation 2, Rule 1	General Requirements (01/26/1999)	Y

III. Generally Applicable Requirements

Table III
Generally Applicable Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)
BAAQMD Regulation 2, Rule 2	New Source Review (06/15/2005)	N
SIP Regulation 2, Rule 2	New Source Review (01/26/1999)	Y
BAAQMD Regulation 2, Rule 4	Emissions Banking (12/19/2012)	N
SIP Regulation 2, Rule 4	Emissions Banking (01/26/1999)	Y
BAAQMD Regulation 2, Rule 5	New Source Review of Toxic Air Contaminants (01/26/2010)	N
BAAQMD Regulation 2, Rule 6	Major Facility Review (04/16/2003)	N
SIP Regulation 2, Rule 6	Major Facility Review (06/23/1995)	Y
BAAQMD Regulation 2, Rule 9	Interchangeable Emission Reduction Credits (06/15/2005)	N
BAAQMD Regulation 3	Fees (06/06/2012)	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 (07/09/2008)	N
SIP Regulation 5	Open Burning (09/04/1998)	Y
BAAQMD Regulation 6, Rule 1	Particulate Matter, General Requirements (12/05/2007)	N
SIP Regulation 6	Particulate Matter and Visible Emissions (09/04/1998)	Y
BAAQMD Regulation 7	Odorous Substances (03/17/1982)	N
BAAQMD Regulation 8, Rule 1	Organic Compounds - General Provisions (06/15/1994)	Y
BAAQMD Regulation 8, Rule 2	Organic Compounds – Miscellaneous Operations (07/20/2005)	N
SIP Regulation 8, Rule 2	Organic Compounds – Miscellaneous Operations (03/22/1995)	Y
BAAQMD Regulation 8, Rule 3	Organic Compounds - Architectural Coatings (07/01/2009)	N
SIP Regulation 8, Rule 3	Organic Compounds - Architectural Coatings (01/02/2004)	Y
BAAQMD Regulation 8, Rule 4	Organic Compounds - General Solvent and Surface Coating Operations (10/16/2002)	Y
BAAQMD Regulation 8, Rule 49	Organic Compounds - Aerosol Paint Products (12/20/1995)	N
SIP Regulation 8, Rule 49	Organic Compounds - Aerosol Paint Products (3/22/1995)	Y
BAAQMD Regulation 8, Rule 51	Organic Compounds - Adhesive and Sealant Products (7/17/2002)	N
SIP Regulation 8, Rule 51	Organic Compounds - Adhesive and Sealant Products (2/26/2002)	Y
BAAQMD Regulation 11, Rule 2	Hazardous Pollutants - Asbestos Demolition, Renovation and Manufacturing (10/07/1998)	N

III. Generally Applicable Requirements

Table III
Generally Applicable Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)
BAAQMD Regulation 12, Rule 4	Miscellaneous Standards of Performance - Sandblasting (07/11/1990)	Y
SIP Regulation 12, Rule 4	Miscellaneous Standards of Performance - Sandblasting 09/02/1981)	N
California Health and Safety Code Section 41750 et seq.	Portable Equipment	N
California Health and Safety Code Section 44300 et seq.	Air Toxics "Hot Spots" Information and Assessment Act of 1987	N
California Health and Safety Code Title 17, Section 93115	Airborne Toxic Control Measure for Stationary Compression Ignition Engines	N
California Health and Safety Code Title 17, Section 93116	Airborne Toxic Control Measure for Diesel Particulate Matter from Portable Engines Rated at 50 Horsepower and Greater	N
40 CFR 61 Subpart M	National Emission Standards for Hazardous Air Pollutants – National Emission Standard for Asbestos (06/19/1995)	Y
40 CFR 82 Subpart F	Protection of Stratospheric Ozone; Recycling and Emissions Reduction (04/13/2005)	Y
40 CFR 82 Subpart H	Protection of Stratospheric Ozone; Halon Emissions Reduction (03/05/1998)	Y

IV. SOURCE-SPECIFIC APPLICABLE REQUIREMENTS

The permit holder shall comply with all applicable requirements, including those specified in the BAAQMD and SIP Rules and Regulations and other federal requirements cited below. The requirements cited in the following tables apply in a specific manner to the indicated source(s).

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

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

The full text of each permit condition cited is included in Section VI, Permit Conditions, of this permit. The full language of SIP requirements is on EPA Region 9's website. The address is:

http://yosemite.epa.gov/r9/r9sips.nsf/Agency?ReadForm&count=500&state=California&cat=Bay+Area+Air+Quality+Management+District-Agency-Wide+Provisions. All other text may be found in the regulations themselves.

SECTION A SITEWIDE

Table IV - A
Source-specific Applicable Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 1	**General Provisions and Definitions (05/04/2011)**		
1-510	Area Monitoring	Y	
1-521	Monitoring may be required.	Y	
1-530	Area Monitoring Downtime	Y	
1-540	Area Monitoring Data Examination	Y	
1-542	Area Concentration Excesses	Y	
1-543	Record Maintenance	Y	
1-544	Monthly Summary	Y	
BAAQMD Regulation 2 Rule 1	**Permits, General Requirements (04/18/2012)**		
2-1-429	Federal Emissions Statement	N	
BAAQMD · Regulation 8 Rule 5	**Organic Compounds – Storage of Organic Liquids (10/18/2006)**		
8-5-117	Limited Exemption, Low Vapor Pressure	N	

IV, Source-Specific Applicable Requirements

Table IV - A
Source-specific Applicable Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-5-118	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	N	
8-5-119	Limited Exemption, Repair Period	N	
8-5-328	Tank Degassing Requirements	N	
8-5-328.1	Tank Degassing Requirements; Tanks > 75 cubic meters; Use 90% abatement device	N	
8-5-331	Tank Cleaning Requirements, 90% Abatement Efficiency if abatement device used	N	
8-5-332	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)	N	
8-5-332.1	Sludge Handling Requirements; sludge container no leaks	N	
8-5-332.2	Sludge Handling Requirements; sludge container gap requirements	N	
8-5-404	Inspection, Abatement Efficiency Determination, and Source Test Reports	N	
8-5-411	Enhanced Monitoring Program (Optional)	N	
8-5-411.1	Enhanced Monitoring Program (Optional); Notify BAAQMD of tanks selected for enhanced monitoring program	N	
8-5-411.2	Enhanced Monitoring Program (Optional); Criteria for operating enhanced monitoring program	N	
8-5-501	Records	N	
8-5-501.3	Records; Retention	N	
8-5-501.4	Records; New PV setpoints	N	
8-5-502	Source Test Requirements and exemption for sources vented to fuel gas	N	
8-5-502.2	Source Test Requirements; Tank degassing and cleaning abatement devices	N	
8-5-602	Analysis of Samples, True Vapor Pressure	Y	
8-5-603	Determination of Abatement Efficiency	N	
8-5-604	Determination of Applicability Based on True Vapor Pressure	Y	
SIP Regulation 8 Rule 5	**Organic Compounds – Storage of Organic Liquids (06/05/2003)**		
8-5-117	Exemption, Low Vapor Pressure	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	
8-5-404	Certification	Y	
8-5-501	Records	Y	
8-5-502	Tank degassing annual source test requirement	Y	

IV, Source-Specific Applicable Requirements

Table IV - A
Source-specific Applicable Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-5-603	Determination of emissions	Y	
8-5-603.2	Source tests for tank degassing equipment	Y	
BAAQMD Regulation 8 Rule 8	**Organic Compounds - Wastewater Collection and Separation Systems (09/15/2004)**		
8-8-101	Description, Applicability	N	
8-8-116	Limited Exemption, Oil-water Separation Trenches	N	
8-8-308	Junction Box: Equipped with either a solid, gasketed, fixed cover totally enclosing the junction box or a solid manhole cover. May include openings in covers/vent pipes if total open area does not exceed 12.6 square inches and vent pipes are 3 ft long.	Y	
8-8-312	Controlled Wastewater Collection System Components at Petroleum Refineries	N	
8-8-313	Uncontrolled Wastewater Collection System Components at Petroleum Refineries; comply with 8-8-313.1 or 8-8-313.2 for uncontrolled sources	N	
8-8-313.2	Uncontrolled Wastewater Collection System Components at Petroleum Refineries; Inspection and Maintenance Plan Option	N	
8-8-314	New Wastewater Collection System Components at Petroleum Refineries ; equip new components with water seal or equivalent control	N	
8-8-402	Wastewater Inspection and Maintenance Plans at Petroleum Refineries	N	
8-8-402.1	Wastewater Inspection and Maintenance Plans at Petroleum Refineries : ID all components and submit to BAAQMD	N	
8-8-402.2	Wastewater Inspection and Maintenance Plans at Petroleum Refineries ; complete initial inspection of components	N	
8-8-402.3	Wastewater Inspection and Maintenance Plans at Petroleum Refineries ; implement 8-8-313.2 Inspection and Maintenance Plan	N	
8-8-402.4	Wastewater Inspection and Maintenance Plans at Petroleum Refineries ; semi-annual inspections of controlled equipment	N	
8-8-402.5	Wastewater Inspection and Maintenance Plans at Petroleum Refineries ; keep records per 8-8-505	N	
8-8-504	Portable Hydrocarbon Detector	Y	
8-8-505	Records for Wastewater Collection System Components at Petroleum Refineries	N	
8-8-505.1	Records for Wastewater Collection System Components at Petroleum Refineries	N	
8-8-505.2	Records for Wastewater Collection System Components at Petroleum Refineries	N	

IV, Source-Specific Applicable Requirements

Table IV - A
Source-specific Applicable Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-8-505.3	Records for Wastewater Collection System Components at Petroleum Refineries	N	
8-8-505.4	Records for Wastewater Collection System Components at Petroleum Refineries	N	
8-8-603	Inspection Procedures	N	
SIP Regulation 8 Rule 8	**Organic Compounds, Wastewater (Oil-Water) Separators (08/29/1994)**		
8-8-101	Description, Applicability	Y	
8-8-602	Manual of Procedures: Determination of Emissions	Y	
8-8-603	Manual of Procedures: Inspection Procedures	Y	
BAAQMD Regulation 8, Rule 16	**Organic Compounds - Solvent Cleaning Operations (10/16/2002)**		
8-16-111	Exemption, Wipe Cleaning	Y	
8-16-501.3	Solvent Records – Wipe Cleaning	Y	
BAAQMD Regulation 8 Rule 40	**Organic Compounds – Aeration of Contaminated Soil and Removal of Underground Storage Tanks (06/15/2005)**		
8-40-304	Active Storage Piles	Y	
8-40-305	Inactive Storage Piles	Y	
8-40-306	Contaminated Soil – Excavation and Removal	Y	
8-40-402	Reporting, Excavation of Contaminated Soil	Y	
8-40-403	Reporting, Excavation of Contaminated Soil	Y	
8-40-404	Reporting, Contaminated Soil Excavation During Organic Liquid Service Pipeline Leak Repairs	Y	
8-40-405	Reporting, Contaminated Soil Excavations Unrelated to Underground Storage Tank Activities	Y	
8-40-601	Contaminated Soil Sampling	Y	
8-40-602	Measurement of Organic Content	Y	
8-40-604	Measurement of Organic Concentration	Y	
8-40-605	Analysis of Samples Initial Boiling Point	Y	
BAAQMD Regulation 9 Rule 1	**Inorganic Gaseous Pollutants – Sulfur Dioxide (03/15/1995)**		
9-1-110	Conditional Exemption, Area Monitoring	Y	
9-1-301	Limitations on Ground Level Concentrations	Y	
9-1-304	Fuel Burning (Liquid and Solid Fuels)	Y	
9-1-501	Area Monitoring Requirements	Y	

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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
9-1-604	Ground Level Monitoring	Y	
BAAQMD Regulation 9 Rule 2	**Inorganic Gaseous Pollutants – Hydrogen Sulfide (10/06/1999)**		
9-2-110	Exemptions	N	
9-2-301	Limitations on Hydrogen Sulfide	N	
9-2-501	Area Monitoring Requirements (Applies only if specified by BAAQMD)	N	
9-2-601	Ground Level Monitoring	N	
BAAQMD Regulation 10	**Standards of Performance for New Stationary Sources – Incorporated by reference (2/16/2000)**		
10-1	Subpart A – General Provisions (12/20/1995)	Y	
BAAQMD Regulation 11 Rule 12	**Hazardous Pollutants - National Emission Standard for Benzene Emissions From Benzene Transfer Operations and Benzene Waste Operations (Adopted 07/18/1990; Subpart FF last amended 01/05/1995)**	Y	
40 CFR 60 Subpart A	**NSPS - General Provisions (06/01/2006)**		
60.1	Applicability	Y	
60.2	Definitions	Y	
60.3	Units and Abbreviations	Y	
60.4	Address	Y	
60.5	Determination of Construction or Modification	Y	
60.6	Review of Plans	Y	
60.7	Notification and Recordkeeping	Y	
60.8	Performance Tests	Y	
60.9	Availability of Information	Y	
60.11	Compliance with Standards and Maintenance Requirements	Y	
60.12	Circumvention	Y	
60.13	Monitoring Requirements	Y	
60.14	Modification	Y	
60.15	Reconstructions	Y	
60.17	Incorporated by Reference	Y	
60.19	General Notification and Reporting Requirements	Y	
40 CFR 61 Subpart A	**NESHAPS, General Provisions (09/13/2010)**		
61.01	Lists of Pollutants and Applicability of Part 61	Y	
61.02	Definitions	Y	
61.03	Units and Abbreviations	Y	
61.04	Address	Y	
61.05	Prohibited Activities	Y	

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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
61.06	Determination of Construction or Modification	Y	
61.07	Application for Approval of Construction or Modification	Y	
61.08	Approval of construction or modification	Y	
61.09	Notification of startup	Y	
61.10	Source reporting and waiver request	Y	
61.12	Compliance with Standards and Maintenance Requirements	Y	
61.13	Emission Tests and Waiver of Emission Tests	Y	
61.14	Monitoring Reports	Y	
61.15	Modification	Y	
61.18	Incorporation by reference	Y	
61.19	Circumvention	Y	
40 CFR 61 Subpart FF	**NESHAPS, Benzene Waste Operations (12/04/2003) Requirements for Treat to 6 (6BQ) [61.342(e)] facility**		
61.340(a)	Applicability: Chemical Manufacturing, Coke by-product recovery, petroleum refineries	Y	
61.340(c)	Applicability: Exempt Waste	Y	
61.340(d)	Applicability: Exemption from Subpart FF for emissions routed to a fuel gas system	Y	
61.341	Definitions	Y	
61.342	Standards: General	Y	
61.342(a)	Standards: Definition of total annual benzene (TAB) & requirements to calculate	Y	
61.342(a)(2)	Standards: TAB Calculation – Material Sold	Y	
61.342(a)(3)	Standards: TAB Calculation – Remediation Waste	Y	
61.342(a)(4)	Standards: TAB Calculation – Determination Location	Y	
61.342(b)	Standards: General; Facility with TAB > 10Mg/year compliance dates	Y	
61.342(c)(1)	Standards: General; For 61.342(e) 6BQ facility, treat non-aqueous benzene-containing waste streams in accordance with 61.342(c)(1)(i), 61.342(c)(1)(ii) and 61.342(c)(1)(iii)	Y	
61.342(c)(1)(i)	Standards: General; Remove or destroy benzene in accordance with 61.348	Y	
61.342(c)(1)(ii)	Standards: General; Comply with 61.343 through 61.347 for waste management units that manage wastes prior to and during treatment per 61.342(c)(1)(i)	Y	
61.342(c)(1)(iii)	Standards: General; Comply with 61.343 through 61.347 for waste management units for wastes to be recycled. After recycling, wastes no longer subject to 61.342(c)(1)	Y	
61.342(e)	Standards: General; Requirements for Treat to 6 (6BQ) facility	Y	
61.342(e)(1)	Standards: General; Requirements for Treat to 6 (6BQ) facility; Treat non-aqueous waste (flow-weighted annual average water content of less than 10%) per 61.342(c)(1)	Y	

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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
61.342(e)(2)	Standards: General; Requirements for Treat to 6 (6BQ) facility; Treat aqueous waste (flow-weighted annual average water content of 10% or more by volume) per 61.342(e)(2).	Y	
61.342(e)(2)(i)	Standards: General; Requirements for Treat to 6 (6BQ) facility; Aqueous waste: Benzene content of aqueous waste must be equal to or less than 6.0 Mg/yr (6.6 ton/yr), as determined in 61.355(k).	Y	
61.342(e)(2)(ii)	Standards: General; Requirements for Treat to 6 (6BQ) facility; Aqueous waste: Determine 61.342(e)(2) benzene quantity [TBQ] per 61.355(k).	Y	
61.343(a)	Standards: Tanks	Y	
61.343(a)(1)	Standards: Tanks: Fixed roof with closed vent routed to control device	Y	
61.343(a)(1)(i)	Standards: Tanks: Fixed roof requirements	Y	
61.343(a)(1)(i)(A)	Standards: Tanks: Fixed roof and openings: No detectable emissions	Y	
61.343(a)(1)(i)(B)	Standards: Tanks: Fixed roof requirements; openings closed and sealed except when in use	Y	
61.343(a)(1)(ii)	Standards: Tanks: Closed vent system and control device: design and operate per 61.349	Y	
61.343(b)	Standards: Tanks: Alternative standards for certain fixed roof tanks storing non-aqueous wastes (low vapor pressure or small tanks)	Y	
61.343(c)	Standards: Tanks: Quarterly Visual Inspection	Y	
61.343(d)	Standards: Tanks: Repairs	Y	
61.345(a)	Standards: Containers	Y	
61.345(a)(1)	Standards: Containers--Covers	Y	
61.345(a)(1)(i)	Standards: Containers— No detectable emissions	Y	
61.345(a)(1)(ii)	Standards: Containers--Openings closed and sealed except when in use	Y	
61.345(a)(2)	Standards: Containers--Waste Transfer	Y	
61.345(b)	Standards: Containers--Quarterly visual inspection	Y	
61.345(c)	Standards: Containers--Repairs	Y	
61.346	Standards: Individual drain systems	Y	
61.346(b)	Standards: Alternate compliance for individual drain systems	Y	
61.346(b)(3)	Standards: Alternate compliance for individual drain systems; Unburied Sewer Design	Y	
61.346(b)(4)(iv)	Standards: Alternate compliance for individual drain systems; Unburied Sewer Quarterly Visual Inspection	Y	
61.346(b)(5)	Standards: Alternate compliance for individual drain systems; Unburied Sewer Repair	Y	
61.350	Standards: Delay of repair	Y	
61.350(a)	Standards: Delay of Repair: Allowed if technically impossible without complete or partial facility or unit shutdown.	Y	

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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
61.350(b)	Standards: Delay of Repair: Repair shall occur before the end of the next facility or unit shutdown	Y	
61.353	Alternative means of emission limitation	Y	
61.355	Test Methods, Procedures, and Compliance Provisions	Y	
61.355(a)	Test Methods, Procedures, and Compliance Provisions: Procedure for determining total annual benzene (TAB)	Y	
61.355(a)(1)	Test Methods, Procedures, and Compliance Provisions: Procedure for determining total annual benzene (TAB); aqueous wastes	Y	
61.355(a)(1)(i)	Test Methods, Procedures, and Compliance Provisions: Annual Waste Quantity Determination	Y	
61.355(a)(1)(ii)	Test Methods, Procedures, and Compliance Provisions: Annual Average Benzene Determination	Y	
61.355(a)(1)(iii)	Test Methods, Procedures, and Compliance Provisions: Annual Benzene Quantity Calculation	Y	
61.355(a)(2)	Test Methods, Procedures, and Compliance Provisions: Procedure for determining total annual benzene (TAB); TAB Calculation	Y	
61.355(a)(3)	Test Methods, Procedures, and Compliance Provisions: Procedure for determining total annual benzene (TAB); If the TAB is equal to or greater than 10 Mg/yr (11 ton/yr), then the owner/operator shall comply with 61.342(c), (d), or (e).	Y	
61.355(a)(6)	Test Methods, Procedures, and Compliance Provisions: Procedure for determining total annual benzene (TAB); Turnaround Waste in TAB	Y	
61.355(b)	Test Methods, Procedures, and Compliance Provisions: Waste quantity determination – made at point of generation unless an exception applies	Y	
61.355(b)(4)	Test Methods, Procedures, and Compliance Provisions: Waste quantity determination – Exception: Process Unit Turnaround Waste	Y	
61.355(b)(5)	Test Methods, Procedures, and Compliance Provisions: Waste quantity determination methods – Waste Quantity from Historical Records	Y	
61.355(b)(6)	Test Methods, Procedures, and Compliance Provisions: Waste quantity determination methods – Waste Quantity based on Design Capacity	Y	
61.355(b)(7)	Test Methods, Procedures, and Compliance Provisions: Waste quantity determination methods – Waste Quantity based on Representative Measurements	Y	
61.355(c)	Test Methods, Procedures, and Compliance Provisions: Determine flow-weighted annual average benzene concentration	Y	
61.355(c)(1)	Test Methods, Procedures, and Compliance Provisions: Criteria for determination of flow-weighted annual average benzene concentration	Y	

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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
61.355(c)(1)(i)	Test Methods, Procedures, and Compliance Provisions: Criteria for determination of flow-weighted annual average benzene concentration Made at the point of waste generation except for cases in paragraphs (c)(1)(i)(A) through (D) of this section.	Y	
61.355(c)(1)(i)(D)	Test Methods, Procedures, and Compliance Provisions: Criteria for determination of flow-weighted annual average benzene concentration – Exception: Process Unit Turnaround wastes	Y	
61.355(c)(1)(ii)	Test Methods, Procedures, and Compliance Provisions: Determination of benzene concentration: Volatilization of benzene by exposure to air shall not be used to reduce the benzene concentration	Y	
61.355(c)(1)(iii)	Test Methods, Procedures, and Compliance Provisions: Determination of benzene concentration: Mixing or diluting with other wastes or materials shall not be used to reduce the benzene concentration	Y	
61.355(c)(1)(iv)	Test Methods, Procedures, and Compliance Provisions: Determination of benzene concentration: Determination made prior to any treatment of waste that removes benzene, except in (c)(1)(i)(A) through (D) of this section	Y	
61.355(c)(1)(v)	Test Methods, Procedures, and Compliance Provisions: Determination of benzene concentration: For wastes with multiple phases, provide the weighted-average benzene concentration based on the benzene concentration in each phase and the relative proportion of the phases	Y	
61.355(c)(2)	Test Methods, Procedures, and Compliance Provisions: Methods to determine benzene concentration: Knowledge of the Waste	Y	
61.355(c)(3)	Test Methods, Procedures, and Compliance Provisions: Methods to determine benzene concentration: Measurements of Benzene Concentration - procedures		
61.355(h)	Test Methods, Procedures, and Compliance Provisions: No detectable emissions test methods	Y	
61.355(k)	Test Methods, Procedures, and Compliance Provisions: Treat to 6 Determination of TBQ (total benzene quantity) required by 61.342(e)(2)	Y	
61.355(k)(1)	Test Methods, Procedures, and Compliance Provisions: Treat to 6 Determination of TBQ; determine benzene quantity in uncontrolled waste streams	Y	
61.355(k)(2)	Test Methods, Procedures, and Compliance Provisions: Treat to 6 Determination of TBQ; determine benzene quantity in controlled waste streams	Y	
61.355(k)(2)(i)	Test Methods, Procedures, and Compliance Provisions: Treat to 6 Determination of TBQ; determine benzene quantity in controlled waste streams: OPTION 1: Make determination where the waste stream enters the first uncontrolled waste management unit	Y	

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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
61.355(k)(2)(ii)	Test Methods, Procedures, and Compliance Provisions: Treat to 6 Determination of TBQ; determine benzene quantity in controlled waste streams: OPTION 2: Determination for wastes discharged from facility	Y	
61.355(k)(2)(iii)	Test Methods, Procedures, and Compliance Provisions: Treat to 6 Determination of TBQ; determine benzene quantity in controlled waste streams: OPTION 3: Determination for wastes transferred offsite.	Y	
61.355(k)(2)(iv)	Test Methods, Procedures, and Compliance Provisions: Treat to 6 Determination of TBQ; Determine annual waste quantity of controlled wastes using procedures in 61.355(b)(5), (6), or (7)	Y	
61.355(k)(2)(v)	Test Methods, Procedures, and Compliance Provisions: Treat to 6 Determination of TBQ; Determine flow-weighted annual average benzene concentration for controlled wastes using procedures in 61.355(c)(2), or (3)	Y	
61.355(k)(3)	Test Methods, Procedures, and Compliance Provisions: Treat to 6 Determination of TBQ; Determine benzene quantity in waste generated less than one time per year	Y	
61.355(k)(5)	Test Methods, Procedures, and Compliance Provisions: Treat to 6 Determination of TBQ; Treat to 6 TBQ calculation method for controlled wastestreams	Y	
61.355(k)(6)	Test Methods, Procedures, and Compliance Provisions: Treat to 6 Determination of TBQ; Treat to 6 total TBQ calculation method	Y	
61.355(k)(7)	Test Methods, Procedures, and Compliance Provisions: Treat to 6 Determination of TBQ; Eliminate double counting	Y	
61.356	Recordkeeping Requirements	Y	
61.356(a)	Recordkeeping requirements; Retention	Y	
61.356(b)	Recordkeeping requirements; Waste stream records	Y	
61.356(b)(1)	Recordkeeping requirements; Uncontrolled Waste Stream Records	Y	
61.356(b)(4)	Recordkeeping requirements; Treat to 6 (61.342(e)) Waste Stream Records	Y	
61.356(b)(5)	Recordkeeping requirements; Process unit turnaround waste records	Y	
61.356(g)	Recordkeeping Requirements: Visual inspections per 61.343 through 61.347	Y	
61.356(h)	Recordkeeping Requirements: No detectable emissions tests per 61.343 through 61.347, and 61.349	Y	
61.357	Reporting Requirements	Y	
61.357(a)(1)	Reporting Requirements - Annual Benzene Report Contents [61.357(d)(2)]: TAB determined in accordance with 61.355(a)	Y	
61.357(a)(2)	Reporting Requirements - Annual Benzene Report Contents [61.357(d)(2)]: Waste stream table (identify as controlled or uncontrolled)	Y	
61.357(a)(3)	Reporting Requirements - Annual Benzene Report Contents [61.357(d)(2)]: Uncontrolled waste stream data	Y	

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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
61.357(a)(3)(i)	Reporting Requirements - Annual Benzene Report Contents [61.357(d)(2)]: Uncontrolled waste stream data - Whether or not the water content of the waste stream is greater than 10 percent;	Y	
61.357(a)(3)(ii)	Reporting Requirements - Annual Benzene Report Contents [61.357(d)(2)]: Uncontrolled waste stream data - Whether or not the waste stream is a process wastewater stream, product tank drawdown, or landfill leachate;	Y	
61.357(a)(3)(iii)	Reporting Requirements - Annual Benzene Report Contents [61.357(d)(2)]: Uncontrolled waste stream data - Annual waste quantity for the waste stream;	Y	
61.357(a)(3)(iv)	Reporting Requirements - Annual Benzene Report Contents [61.357(d)(2)]: Uncontrolled waste stream data - Range of benzene concentrations for the waste stream;	Y	
61.357(a)(3)(v)	Reporting Requirements - Annual Benzene Report Contents [61.357(d)(2)]: Uncontrolled waste stream data - Annual average flow-weighted benzene concentration for the waste stream; and	Y	
61.357(a)(3)(vi)	Reporting Requirements - Annual Benzene Report Contents [61.357(d)(2)]: Uncontrolled waste stream data - Annual benzene quantity for the waste stream.	Y	
61.357(d)	Reporting Requirements: Facilities with 10 Mg/yr or more total benzene in waste	Y	
61.357(d)(2)	Reporting Requirements: Annual Benzene Report – with information specified in 61.357(a)(1), (2), and (3)	Y	
61.357(d)(5)	Reporting Requirements: Annual Benzene Report requirements if complying with 61.342(e)- Treat to 6 waste stream data requirements	Y	
61.357(d)(5)(i)	Reporting Requirements: Annual Benzene Report requirements if complying with 61.342(e)- Treat to 6 waste stream data requirements – uncontrolled waste streams	Y	
61.357(d)(5)(ii)	Reporting Requirements: Annual Benzene Report requirements if complying with 61.342(e)- Treat to 6 waste stream data requirements – controlled waste streams	Y	
61.357(d)(6)	Reporting Requirements: Quarterly Inspection Verification Report	Y	
61.357(d)(7)	Reporting Requirements: Quarterly Report	Y	
61.357(d)(8)	Reporting Requirements: Annual Inspection Report – Inspection Summary when detectable emissions detected	Y	
40 CFR 63 Subpart A	**NESHAPs for Source Categories - General Provisions (8/11/2011)**		
63.1	Applicability	Y	
63.2	Definitions	Y	
63.3	Units and abbreviations	Y	
63.4	Prohibited activities and circumvention	Y	
63.5	Preconstruction review and notification requirements	Y	
63.6	Compliance with standards and maintenance requirements	Y	

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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.7	Performance test requirements	Y	
63.8	Monitoring requirements	Y	
63.9	Notification requirements	Y	
63.10	Recordkeeping and reporting requirements	Y	
63.12	State Authority and Delegations	Y	
63.13	Addresses of EPA Regional Offices	Y	
63.14	Incorporation by Reference	Y	
63.15	Availability of Information and confidentiality	Y	
63.16	Performance Track Provisions	Y	
40 CFR 63 Subpart B	**NESHAPs 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)**		
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(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	
40 CFR 63 Subpart G	**NESHAPs for Source Categories - SOCMI Process Vents, Storage Vessels, Transfer Operations, and Wastewater (12/22/2008)** **Requirements for Storage Vessels Subject to 63 Subpart CC**		
63.120(b)	Storage Vessel Provisions. Procedures to Determine Compliance—Compliance Demonstration-- External floating roof	Y	
63.120(b)(1)	Storage Vessel Provisions. Procedures to Determine Compliance—Compliance Demonstration-- External FR seal gap measurement	Y	
63.120(b)(1)(i)	Storage Vessel Provisions. Procedures to Determine Compliance—Compliance Demonstration-- External FR with double seals primary seal gap measurement	Y	
63.120(b)(1)(iii)	Storage Vessel Provisions. Procedures to Determine Compliance—Compliance Demonstration-- External FR with double seals secondary seal gap	Y	
63.120(b)(1)(iv)	Storage Vessel Provisions. Procedures to Determine Compliance—Compliance Demonstration-- External FR seal inspections prior to tank refill after service	Y	
63.120(b)(2)	Primary seal gap standards	Y	
63.120(b)(3)	Secondary seal gap standards	Y	

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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.120(b)(4)	Seal gap measurement methods	Y	
40 CFR 63 Subpart CC	**NESHAPs for Source Categories - Petroleum Refineries (06/30/2010)**		
63.640(a)	Applicability applies to petroleum refining process units and related emission points	Y	
63.640(c)	Applicability and Determination of Affected Source – Includes all emission points listed in subpart	Y	
63.640(d)	Applicability and Determination of Affected Source – Exclusions	Y	
63.640(e)	Applicability and Determination of Affected Source – Storage Vessels	Y	
63.640(f)	Applicability and Determination of Affected Source – Miscellaneous Process Vents	Y	
63.640(g)	Applicability and Determination of Affected Source – Exempt Processes	Y	
63.640(h)	Applicability and Determination of Affected Source – Compliance dates	Y	
63.640(i)	Applicability and Determination of Affected Source – Additional petroleum refining process units at existing major source	Y	
63.640(j)	Applicability and Determination of Affected Source – Changes to existing petroleum refining process units	Y	
63.640(k)	Applicability and Determination of Affected Source – Additional requirements for new or changed process units if subject to requirements for new process units in 63.640(i) or (j)	Y	
63.640(l)	Applicability and Determination of Affected Source – Requirements for added Group 1 emission points (i.e. process vents, storage vessels, etc) not subject to requirements for new process units in 63.640(i) or (j)	Y	
63.640(m)	Applicability and Determination of Affected Source – Changes causing Group 2 emission points to become Group 1 points	Y	
63.640(q)	Applicability and Determination of Affected Source 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	
63.641	Definitions	Y	
63.642	General Standards	Y	
63.642(a)	Apply for a part 70 or part 71 operating permit	Y	
63.642(c)	Table 6 of this subpart specifies the subpart A provisions that apply.	Y	
63.642(d)	Initial performance tests and compliance determinations shall be required only as specified in this subpart	Y	
63.642(e)	Keep copies of all applicable reports and records for at least 5 years, except as otherwise specified in this subpart.	Y	
63.642(f)	All reports required by this subpart shall be sent to the Administrator	Y	

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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.642(i)	Existing source owners/operators shall demonstrate compliance with (g) by following procedures in (k) or by following emission averaging compliance approach in (l) for specified emission points and the procedures in (k) for other emission points.	Y	
63.642(k)	Existing source owners/operators may comply, and new sources owners/operators shall comply with the wastewater provisions in 63.647 and comply with 63.655 and is exempt from (g)	Y	
63.647	Wastewater Provisions	Y	
63.647(a)	Wastewater Provisions; Group 1 WW streams comply with 61.340 through 61.355 in 40 CFR 61 Subpart FF	Y	
63.647(b)	Wastewater Provisions; Definitions	Y	
63.647(c)	Wastewater Provisions; Operation consistent with minimum or maximum permitted concentrations or operating parameter values	Y	
63.655	Reporting and Recordkeeping Requirements	Y	
63.655(a)	Reporting and recordkeeping requirements; Group 1 WW streams comply with 61.356 and 61.357 in 40 CFR 61 Subpart FF	Y	
63.655(d)	Reporting and Recordkeeping Requirements; Equipment Leak Standards	Y	
63.655(e)	Reporting and Recordkeeping Requirements; Required Reports and Records	Y	
63.655(f)	Reporting and Recordkeeping Requirements; Notification of Compliance Status Reports	Y	
63.655(g)	Periodic Reporting and Recordkeeping Requirements; Periodic Reports	Y	
63. 655(h)	Reporting and Recordkeeping Requirements; Other reports	Y	
63. 655(i)	Reporting and Recordkeeping Requirements; Recordkeeping	Y	
Appendix Table 1	Hazardous Air Pollutants	Y	
Appendix Table 6	General Provisions Applicability to Subpart CC	Y	
40 CFR 63 Subpart GGGGG	**NESHAPS for Source Categories - Site Remediation (11/29/2006)**		
63.7880	Purpose: Establish emission limitations and work practice standards for HAPs from site remediation activities and requirements for initial and continuous compliance demonstrations	Y	
63.7881	Applicability: Am I subject to this subpart?	Y	
63.7881(a)	Applicability: Remediation subject to Subpart GGGGG if meets all three conditions below:	Y	
63.7881(a)(1)	(1) Site remediation cleans up a remediation material (63.7957 definition)	Y	
63.7881(a)(2)	(2) Facility with remediation activity also has one or more stationary sources that emit HAP and are in a source category that is regulated by another 40 CFR 63 subpart	Y	

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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.7881(a)(3)	(3) Facility with remediation activity is a major source of HAP	Y	
63.7881(c)	Applicability: Recordkeeping only required if remediation activity meets conditions below:	Y	
63.7881(c)(1)	(1) Total HAP contained in remediation material at all remediation activities on site is less than 1 MG annually	Y	
63.7881(c)(2)	(2) Prepare and maintain documentation to support HAP determination	Y	
63.7881(c)(3)	(3) Title V requirements to include recordkeeping requirement	Y	
63.7881(d)	Applicability: Remediation not subject to Subpart GGGGG if remediation activities are complete and notifications of completion have been submitted. Records are required.	Y	
63.7882	Applicability: Affected sources	Y	
63.7882(a)	Applicability: Affected sources; new, reconstructed, or existing sources	Y	
63.7882(a)(1)	Affected source: Process vents – from remediation processes (i.e., soil vapor extraction and bioremediation processes, thermal desorption, and air stripping)	Y	
63.7882(a)(2)	Affected source: Remediation material management units – (i.e., tank, surface impoundment, container, OWS, or transfer system to manage remediation material). Tanks or containers with vents are process vents	Y	
63.7882(a)(3)	Affected source: Equipment leaks – (pumps, valves, etc used to manage remediation materials and meeting both of the following conditions)	Y	
63.7882(a)(3)(i)	Equipment leaks in components containing or contacting remediation material with concentration of HAP >= 10% by weight	Y	
63.7882(a)(3)(ii)	Equipment leaks in components operated more than 300 hours in calendar year	Y	
63.7882(b)	Affected sources: Existing sources commenced construction or reconstruction before July 30, 2002	Y	
63.7882(c)	Affected sources: New sources commenced construction or reconstruction on or after July 30, 2002	Y	
63.7883	Compliance Schedule	Y	
63.7883(a)	Compliance Schedule: Existing sources	Y	
63.7883(b)	Compliance Schedule: New sources (non-radioactive)	Y	
63.7883(e)	Compliance Schedule: Notification requirements	Y	
63.7884	General Standards	Y	
63.7884(a)	General Standards – comply with 63.7885 though 63.7955 as they apply to the affected sources	Y	
63.7884(b)	General Standards – requirements for remediations completed within 30 consecutive days	Y	
63.7885	Process Vents – General Standards	Y	
63.7885(a)	Select option and meet requirements of option selected	Y	

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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.7885(b)	Options	Y	
63.7885(b)(1)	Option 1: Control HAPS per 63.7890 through 63.7893	Y	
63.7885(b)(2)	Option 2: Determine that average VOHAP concentration of remediation material is less than 10 ppmw	Y	
63.7885(b)(3)	Option 3: For process vents subject to another 40 CFR 61 or 40 CFR 63 Subpart, comply with the other subpart unless the process vent is exempt from the other subpart	Y	
63.7885(c)	Exemptions from 63.7885(b)	Y	
63.7885(c)(1)(i)	Exemption 1: Process vent stream flow rate < 0.005 m3/min at standard conditions	Y	
63.7885(c)(1)(ii)	Exemption 2: Process vent stream flow rate < 6.0 m3/min at standard conditions and the total HAP concentration is < 20 ppmw	Y	
63.7885(c)(2)	Exemption demonstration requirements	Y	
63.7886	Remediation Material Management Units – General Standards	Y	
63.7886(a)	Select option and meet requirements of option selected	Y	
63.7886(b)	Options	Y	
63.7886(b)(1)	Option 1: Control HAP emissions by specific requirements for remediation management unit type	Y	
63.7886(b)(1)(i)	Option 1: Control HAP emissions for tanks	Y	
63.7886(b)(1)(ii)	Option 1: Control HAP emissions for containers	Y	
63.7886(b)(1)(iii)	Option 1c: Control HAP emissions for surface impoundment	Y	
63.7886(b)(1)(iv)	Option 1d: Control HAP emissions for oil-water or organic-water separator	Y	
63.7886(b)(1)(v)	Option 1: Control HAP emissions for transfer system	Y	
63.7886(b)(2)	Option 2: Determine that average VOHAP concentration of remediation material is less than 500 ppmw.	Y	
63.7886(b)(3)	Option 3: For remediation management units subject to another 40 CFR 61 or 40 CFR 63 Subpart, comply with the other subpart unless the unit is exempt from the other subpart	Y	
63.7886(b)(4)	Option 4: Meet requirements for open tanks or surface impoundments used for biological treatment process	Y	
63.7886(d)	Remediation Material Management Units – General Standards: Exemption for management units if total annual HAP is less than 1 Mg/yr	Y	
63.7886(d)(1)	Designate exempt units and submit written notification	Y	
63.7886(d)(2)	Prepare initial determination of total annual HAP in exempt units and maintain documentation	Y	
63.7887	Equipment Leaks – General Requirements	Y	
63.7887(a)	Option 1: Implement LDAR as specified in 63.7920 through 63.7922	Y	
63.7887(b)	Option 2: For equipment leaks subject to another 40 CFR 61 or 40 CFR 63 Subpart, comply with the other subpart unless the equipment leak is exempt from the other subpart	Y	

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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.7890	Process Vents – Emission limits and work practice standards	Y	
63.7890(a)	Process Vents – Definition of affected sources	Y	
63.7890(b)	Process Vents – Facility-wide emission limit options (can use both controlled and uncontrolled vent streams to achieve applicable facility-wide emission limit)	Y	
63.7890(b)(1)	Option 1: Reduce total HAP emissions to < 3.0 lb/hr and 3.1 tpy	Y	
63.7890(b)(2)	Option 2: Reduce total TOC emissions to < 3.0 lb/hr and 3.1 tpy	Y	
63.7890(b)(3)	Option 3: Reduce total HAP emissions by 95% or more	Y	
63.7890(b)(4)	Option 4: Reduce total TOC emissions by 95% or more	Y	
63.7890(c)	Process Vents – closed vent system and control device requirements	Y	
63.7891	Process Vents – Initial Compliance	Y	
63.7891(a)	Process Vents – Initial Compliance requirements	Y	
63.7891(b)	Process Vents – Measure emissions or use procedures in 63.7941 to demonstrate compliance with applicable option	Y	
63.7891(b)(1)	Option 1: Reduce total HAP emissions to < 3.0 lb/hr and 3.1 tpy	Y	
63.7891(b)(2)	Option 2: Reduce total TOC emissions to < 3.0 lb/hr and 3.1 tpy	Y	
63.7891(b)(3)	Option 3: Reduce total HAP emissions by 95% or more	Y	
63.7891(b)(4)	Option 4: Reduce total TOC emissions by 95% or more	Y	
63.7891(c)	Process Vents – meet closed vent system and control device requirements in 63.7928	Y	
63.7891(d)	Process Vents – Initial Compliance records per 63.7952	Y	
63.7892	Process Vents inspection and monitoring requirements	Y	
63.7893	Process Vents – Continuous Compliance	Y	
63.7893(a)	Process Vents – Continuous Compliance requirements	Y	
63.7893(b)	Process Vents – Maintain emission levels to meet facility-wide emission limits that apply for option chosen:	Y	
63.7893(b)(1)	Option 1: Reduce total HAP emissions to < 3.0 lb/hr and 3.1 tpy	Y	
63.7893(b)(2)	Option 2: Reduce total TOC emissions to < 3.0 lb/hr and 3.1 tpy	Y	
63.7893(b)(3)	Option 3: Reduce total HAP emissions by 95% or more	Y	
63.7893(b)(4)	Option 4: Reduce total TOC emissions by 95% or more	Y	
63.7893(c)	Process Vents – meet closed vent system and control device requirements in 63.7928	Y	
63.7893(d)	Process Vents – Continuous Compliance records per 63.7952	Y	
63.7895	Tanks – Emission limits and work practice standards	Y	
63.7895(a)	Tanks – Emission limits and work practice standards	Y	
63.7895(b)	Tanks – Control requirements	Y	
63.7895(b)(1)	Rqmt 1: Determine maximum HAP vapor pressure	Y	
63.7895(b)(2)	Rqmt 2: If maximum HAP vapor pressure is less than 76.6 kPa, determine which tank level controls apply and meet the applicable requirements in paragraph 63.7895(c) or (d)	Y	
63.7895(b)(3)	Rqmt 3: If maximum HAP vapor pressure is greater than or equal to 76.6 kPa, then Tank Level 2 controls are required	Y	

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63.7895(b)(4)	Rqmt 4: For tanks sued for waste stabilization process, use Tank Level 2 controls	Y	
63.7895(c)	Tank Level 1 Controls: install and operate a fixed roof or chose Tank Level 2 controls	Y	
63.7895(d)	Tank Level 2 control options	Y	
63.7895(d)(1)	Option 1: Internal floating roof as specified	Y	
63.7895(d)(2)	Option 2: External floating roof as specified	Y	
63.7895(d)(3)	Option 3: Fixed roof with closed vent system and control device meeting standards in 63.7925	Y	
63.7895(d)(4)	Option 4: Pressure tank as specified	Y	
63.7895(d)(5)	Option 5: Total enclosure and vent emissions through closed vent system and control device meeting standards in 63.7925	Y	
63.7895(e)	Tank Level 2 control options – request approval for alternative	Y	
63.7896	Tanks – Initial Compliance	Y	
63.7896(a)	Tanks – Initial Compliance requirements	Y	
63.7896(b)	Tanks – NCS must contain statement of compliance for these requirements	Y	
63.7896(b)(1)	Rqmt 1: Tank control levels have been determined	Y	
63.7896(b)(2)	Rqmt 2: Maximum HAP vapor pressure determined for each remediation material placed in each affected tank with Tank Level 1 controls	Y	
63.7896(c)	Tanks - Demonstrate initial compliance for tanks with Tank Level 1 controls	Y	
63.7896(c)(1)	Rqmt 1: Install fixed roof and closure devices per 63.902(a) with records documenting design	Y	
63.7896(c)(2)	Rqmt 2: Initial visual inspection for defects per 63.906(a) with inspection records	Y	
63.7896(c)(3)	Rqmt 3: Operate fixed roof and closure devices per 63.902.	Y	
63.7896(d)	Tanks – Demonstrate initial compliance for tanks with Tank Level 2 controls using internal floating roof tank	Y	
63.7896(d)(1)	Rqmt 1: Install internal floating roof per 63.1063(a) with records documenting design	Y	
63.7896(d)(2)	Rqmt 2: Initial visual inspection for defects per 63.1063(d)(1) with inspection records	Y	
63.7896(d)(3)	Rqmt 3: Operate internal floating roof per 63.1063(b).	Y	
63.7896(e)	Tanks – Demonstrate initial compliance for tanks with Tank Level 2 controls using external floating roof tank	Y	
63.7896(e)(1)	Rqmt 1: Install external floating roof per 63.1063(a) with records documenting design	Y	
63.7896(e)(2)	Rqmt 3: Operate external floating roof per 63.1063(b).	Y	
63.7896(e)(3)	Rqmt 2: Initial seal gap measurement per 63.1063(d)(3) with records	Y	

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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.7896(f)	Tanks - Demonstrate initial compliance for tanks with Tank Level 2 controls using fixed roof tank with closed vent system and control device	Y	
63.7896(f)(1)	Rqmt 1: Install tank and control device per 63.902(b) and (c) with records documenting design	Y	
63.7896(f)(2)	Rqmt 2: Initial visual inspection for defects per 63.695(b)(3) with inspection records	Y	
63.7896(f)(3)	Rqmt 3: Operate fixed roof and closure devices per 63.685(g).	Y	
63.7896(g)	Tanks - Demonstrate initial compliance for tanks with Tank Level 2 controls using pressure tank	Y	
63.7896(g)(1)	Rqmt 1: Install tank designed as pressure tank with records of design	Y	
63.7896(g)(2)	Rqmt 2: Operate pressure tank per 63.685(h)	Y	
63.7896(h)	Tanks - Demonstrate initial compliance for tanks with Tank Level 2 controls using tank in total enclosure	Y	
63.7896(h)(1)	Rqmt 1: NCS requirement for total enclosure tanks	Y	
63.7896(h)(2)	Rqmt 2: Demonstrate initial compliance for closed vent system and control device	Y	
63.7897	Tanks – Inspection and Monitoring Requirements	Y	
63.7897(a)	Tank Level 1 Controls – annual visual inspection	Y	
63.7897(b)	Tank Level 2 Controls Options:	Y	
63.7897(b)(1)	Option 1 – Internal Floating Roof – visual inspection requirements	Y	
63.7897(b)(2)	Option 2 – External floating roof – visual inspections and seal inspection requirements	Y	
63.7897(b)(3)	Option 3 – Fixed roof and control device requirements	Y	
63.7897(b)(3)(i)	Rqmt 1: Visual inspections of fixed roof and closures	Y	
63.7897(b)(3)(ii)	Rqmt 2: Monitor and inspect closed vent system and control device as required	Y	
63.7897(b)(4)	Option 4 – Pressure tank – annual visual inspections	Y	
63.7897(b)(5)	Option 5 – Permanent total enclosure vented to enclosed combustion device	Y	
63.7897(b)(5)(i)	Rqmt 1: Annual verification procedure for permanent total enclosure	Y	
63.7897(b)(5)(ii)	Rqmt 2: Monitor and inspect closed vent system and control device as required	Y	
63.7898	Tanks – Continuous compliance	Y	
63.7898(a)	Comply with applicable requirement in 63.7895	Y	
63.7898(b)	Comply with requirements to determine applicable tank control level (63.7895(b)) – Records required	Y	
63.7898(c)	Continuous compliance requirements for Tank Level 1 controls	Y	
63.7898(c)(1)	Rqmt 1: Operate and maintain the fixed roof and closure devices	Y	
63.7898(c)(2)	Rqmt 2: Annual visual inspection	Y	

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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.7898(c)(3)	Rqmt 3: Repair defects	Y	
63.7898(c)(4)	Rqmt 4: Recordkeeping	Y	
63.7898(c)(5)	Rqmt 5: Compliance documentation records	Y	
63.7898(d)	Continuous compliance requirements for Tank Level 2 controls – Internal floating roof tanks	Y	
63.7898(d)(1)	Rqmt 1: Operate and maintain the internal floating roof	Y	
63.7898(d)(2)	Rqmt 2: Visual inspection requirements	Y	
63.7898(d)(3)	Rqmt 3: Repair defects	Y	
63.7898(d)(4)	Rqmt 4: Recordkeeping	Y	
63.7898(d)(5)	Rqmt 5: Compliance documentation records	Y	
63.7898(e)	Continuous compliance requirements for Tank Level 2 controls – External floating roof tanks	Y	
63.7898(e)(1)	Rqmt 1: Operate and maintain the external floating roof	Y	
63.7898(e)(2)	Rqmt 2: Visual inspection and seal inspection requirements	Y	
63.7898(e)(3)	Rqmt 3: Repair defects	Y	
63.7898(e)(4)	Rqmt 4: Recordkeeping	Y	
63.7898(e)(5)	Rqmt 5: Compliance documentation records	Y	
63.7898(f)	Continuous compliance requirements for Tank Level 2 controls – Fixed roof vented to a control device	Y	
63.7898(f)(1)	Rqmt 1: Operate and maintain the fixed roof and closure devices	Y	
63.7898(f)(2)	Rqmt 2: Annual visual inspection	Y	
63.7898(f)(3)	Rqmt 3: Repair defects	Y	
63.7898(f)(4)	Rqmt 4: Recordkeeping	Y	
63.7898(f)(5)	Rqmt 5: Meet continuous compliance requirements	Y	
63.7898(f)(6)	Rqmt 6: Compliance documentation records	Y	
63.7898(g)	Continuous compliance requirements for Tank Level 2 controls – Pressure tank	Y	
63.7898(g)(1)	Rqmt 1: Operate and maintain the pressure tank and closure devices	Y	
63.7898(g)(2)	Rqmt 2: Annual visual inspection	Y	
63.7898(g)(3)	Rqmt 3: Compliance documentation records	Y	
63.7898(h)	Continuous compliance requirements for Tank Level 2 controls – permanent total enclosure vented to enclosed combustion device	Y	
63.7898(h)(1)	Rqmt 1: Annual verification procedure for enclosure	Y	
63.7898(h)(2)	Rqmt 2: Recordkeeping	Y	
63.7898(h)(3)	Rqmt 3: Meet continuous compliance requirements	Y	
63.7898(h)(3)	Rqmt 4: Compliance documentation records	Y	
63.7900	Containers – Emission limits and work practice standards	Y	
63.7900(a)	Containers – Definition of affected sources	Y	
63.7900(b)	Containers > 0.1 m3. Comply with 63.7900(b) or (d)	Y	
63.7900(b)(1)	Containers <= 0.46 m3; Container Level 1 per 63.922 or Container Level 2 per 63.923	Y	

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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.7900(b)(2)	Containers > 0.46 m3; Option 1 - Container Level 2 controls per 63.923	Y	
63.7900(b)(3)	Containers > 0.46 m3; Option 2 – Allowances for Container Level 1 controls	Y	
63.7900(b)(3)(i)	Containers > 0.46 m3 require Container Level 1 controls if vapor pressure < 0.3 kPa at 20 C	Y	
63.7900(b)(3)(ii)	Containers > 0.46 m3 require Container Level 1 controls if Total concentration of pure organic constituents with vapor pressure greater than 0.3 kPa at 20 C is less than 20% by weight	Y	
63.7900(c)	Containers used for treatment by waste stabilization process	Y	
63.7900(d)	Containers > 0.1 m3: Optional instead of 63.7999(b) – Container Level 3 and comply with requirements for closed vent system and control device	Y	
63.7900(e)	Alternatives to work practice standards	Y	
63.7901	Containers – Initial Compliance	Y	
63.7901(a)	Containers – Initial Compliance per 63.7990	Y	
63.7901(b)	Containers – Initial Compliance – notification of compliance status; Signed statement of compliance with following requirements:	Y	
63.7901(b)(1)	Determined applicable container control levels	Y	
63.7901(b)(2)	Determined and recorded maximum vapor pressure or total organic concentration for containers > 0.46 m3 that do not use Container Level 2 or Level 3 controls	Y	
63.7901(c)	Demonstrate initial compliance for each container with Container Level 1 controls by certifying (c)(1) and (c)(2) in the notification of compliance status	Y	
63.7901(d)	Demonstrate initial compliance for each container with Container Level 2 controls by certifying (d)(1) thru (d)(4) in the notification of compliance status	Y	
63.7901(e)	Demonstrate initial compliance for each container with Container Level 3 controls by certifying (e)(1) and (e)(2) in the notification of compliance status	Y	
63.7902	Containers – Inspection and Monitoring Requirements	Y	
63.7902(a)	Inspect Container Level 1 or Container Level 2 contains IAW 63.926(a)	Y	
63.7902(b)	Meet Container Level 3 requirements as follows:	Y	
63.7902(b)(1)	Container Level 3: annual verification procedure	Y	
63.7902(b)(2)	Container Level 3: monitor and inspect closed vent system and control device IAW 63.7927	Y	
63.7903	Containers – Continuous Compliance	Y	
63.7903(a)	Containers – Continuous Compliance per 63.7990	Y	
63.7903(b)	Containers – Continuous Compliance with requirement to determine applicable container control level	Y	
63.7903(b)(1)	Records of containers	Y	

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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.7903(b)(2)	Containers > 0.46 m3 and using Container Level 1 controls – meet the following requirements:	Y	
63.7903(b)(2)(i)	Container Level 1 controls: Records of max vapor pressure or total organic concentration	Y	
63.7903(b)(2)(ii)	Container Level 1 controls: New determination when remediation material changes – keep records	Y	
63.7903(b)(3)	Records of compliance	Y	
63.7903(c)	Containers – Continuous Compliance Demonstration for Container Level 1 controls	Y	
63.7903(c)(1)	Covers	Y	
63.7903(c)(2)	Annual inspections	Y	
63.7903(c)(3)	Emptying or repairing	Y	
63.7903(c)(4)	Inspection records	Y	
63.7903(c)(4)(i)	Inspection records - Date	Y	
63.7903(c)(4)(ii)	Inspection records – Defect information	Y	
63.7903(c)(5)	Records of compliance	Y	
63.7903(d)	Containers – Continuous Compliance Demonstration for Container Level 2 controls	Y	
63.7903(d)(1)	Transferring material	Y	
63.7903(d)(2)	Covers	Y	
63.7903(d)(3)	Annual inspections	Y	
63.7903(d)(4)	Emptying or repairing	Y	
63.7903(d)(5)	Records of inspections	Y	
63.7903(d)(5)(i)	Inspection records - Date	Y	
63.7903(d)(5)(ii)	Inspection records – Defect information	Y	
63.7903(d)(6)	Records of compliance	Y	
63.7903(e)	Containers – Continuous Compliance Demonstration for Container Level 3 controls	Y	
63.7903(e)(1)	Annual verification procedure	Y	
63.7903(e)(2)	Records per 63.696(f)	Y	
63.7903(e)(3)	Comply with 63.7928	Y	
63.7903(e)(4)	Records of compliance	Y	
63.7910	Separators – Emission limits and work practice standards	Y	
63.7910(a)	Separators – Definition of affected sources	Y	
63.7910(b)	Separators – Install and operate air pollution controls	Y	
63.7910(b)(1)	Separator controls – Option 1: Floating roof (fixed roof allowed where floating roof infeasible)	Y	
63.7910(b)(2)	Separator controls – Option 2: Fixed roof vented to control device	Y	
63.7910(b)(3)	Separator controls – Option 3: Pressurized separator	Y	
63.7910(c)	Separators – Alternatives may be approved	Y	
63.7911	Separators – Initial Compliance	Y	
63.7911(a)	Separators – Initial compliance per 63.7910	Y	

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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.7911(b)	Separators with floating roof – notification of compliance status; Signed statement of compliance with following requirements:	Y	
63.7911(b)(1)	Records documenting design and installation of roof and closure devices	Y	
63.7911(b)(2)	Operate floating roof and closure devices per 63.1043(c)	Y	
63.7911(b)(3)	Initial seal gap measurement performed and records available	Y	
63.7911(b)(4)	Initial visual inspection performed and records available	Y	
63.7911(b)(5)	Fixed roof portions meet requirements of 63.7901(c)	Y	
63.7911(c)	Separators with fixed roof vented to control device – notification of compliance status; Signed statement of compliance with following requirements:	Y	
63.7911(c)(1)	Records documenting design and installation of roof and closure devices	Y	
63.7911(c)(2)	Operate fixed roof and closure devices per 63.1042(c)	Y	
63.7911(c)(3)	Initial visual inspection performed and records available	Y	
63.7911(c)(4)	Initial compliance demonstrated with emission limits and work practice standards	Y	
63.7911(d)	Separators - Pressurized – notification of compliance status; Signed statement of compliance with following requirements:	Y	
63.7911(d)(1)	Records documenting design and installation of pressurized separator	Y	
63.7911(d)(2)	Operate pressurized separator per 63.1045(b)(3)	Y	
63.7912	Separators – Inspection and monitoring requirements	Y	
63.7912(a)	Separators – Inspection and monitoring requirements – Floating roof	Y	
63.7912(a)(1)	Annual seal gap measurement	Y	
63.7912(a)(2)	Annual visual inspection	Y	
63.7912(b)	Separators – Inspection and monitoring requirements – Cover vented to control device	Y	
63.7912(b)(1)	Visual inspection of cover and closure device	Y	
63.7912(b)(2)	Closed vent system and control device monitoring and inspection	Y	
63.7912(c)	Separators – Inspection and monitoring requirements – Pressurized separator	Y	
63.7913	Separators – Continuous compliance	Y	
63.7913(a)	Separators – Continuous compliance requirements	Y	
63.7913(b)	Separators with floating roof – Continuous compliance	Y	
63.7913(b)(1)	Operate and maintain floating roof	Y	
63.7913(b)(2)	Annual seal gap measurements	Y	
63.7913(b)(3)	Annual visual inspections	Y	
63.7913(b)(4)	Repair defects	Y	
63.7913(b)(5)	Recordkeeping	Y	
63.7913(b)(6)	Compliance documentation records	Y	

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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.7913(c)	Separators with fixed roof vented to control device – Continuous compliance	Y	
63.7913(c)(1)	Operate and maintain fixed roof and closure device	Y	
63.7913(c)(2)	Annual visual inspections	Y	
63.7913(c)(3)	Repair defects	Y	
63.7913(c)(4)	Recordkeeping	Y	
63.7913(c)(5)	Compliance documentation records	Y	
63.7913(d)	Separators - pressurized	Y	
63.7913(d)(1)	Operating at all times as required	Y	
63.7913(d)(2)	Annual visual inspection	Y	
63.7915	Transfer system emission limitations and work practice standards	Y	
63.7915(a)	Transfer system - comply with requirements for specific system	Y	
63.7915(c)	Transfer system – requirements for systems other than individual drain systems	Y	
63.7915(c)(2)	Continuous hard piping system – joints or seams must be permanently or semi-permanently sealed (welded or bolted/gasketed)	Y	
63.7916	Transfer system – Initial Compliance	Y	
63.7916(a)	Transfer system – Initial Compliance - comply with requirements for specific system	Y	
63.7916(d)	Transfer system – continuous hard piping – initial compliance by certifying (d)(1) and (d)(2)	Y	
63.7916(d)(1)	Certify installation of hard piped transfer system and have records	Y	
63.7916(d)(2)	Certify initial inspection of entire hard piped transfer system and have records	Y	
63.7917	Transfer Systems – Inspection and Monitoring Requirements	Y	
63.7917(c)	Transfer system – continuous hard piping – annual inspection of unburied portion for leaks and defects.	Y	
63.7917(e)	Transfer system – continuous hard piping – repair of defects	Y	
63.7917(e)(1)	First attempt at repairs	Y	
63.7917(e)(2)	Delay of repair	Y	
63.7917(e)(3)	Records – delay of repair	Y	
63.7918	Transfer system – Continuous Compliance	Y	
63.7918(a)	Transfer system – Continuous Compliance - comply with requirements for specific system	Y	
63.7918(d)	Transfer system – continuous hard piping – continuous compliance	Y	
63.7918(d)(1)	Operation and maintenance	Y	
63.7918(d)(2)	Annual inspection	Y	
63.7918(d)(3)	Repair of defects	Y	
63.7918(d)(4)	Records of compliance	Y	
63.7925	Closed Vent Systems and Control Devices – emission limits and work practice standards	Y	

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Source-specific Applicable Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.7925(a)	Closed Vent Systems and Control Devices – emission limits and work practice standards	Y	
63.7925(b)	Closed Vent Systems and Control Devices – operate control device at all times when gases or vapors containing HAP are vented to it except:	Y	
63.7925(b)(1)	Bypass allowed for planned routine maintenance up to 240 hours per calendar year	Y	
63.7925(b)(2)	Bypass allowed to correct malfunction of closed-vent system or control device – as soon as practicable after malfunction	Y	
63.7925(c)	Closed Vent Systems and Control Devices – comply with emission limits and work practice standards	Y	
63.7925(d)	Closed Vent Systems and Control Devices for facility-wide process vent emission limits – requirements	Y	
63.7925(d)(1)	Option 1: Reduce total HAP (or TOC minus methane and ethane) emissions by 95%	Y	
63.7925(d)(2)	Option 2: Limit concentration of total HAP or TOC (minus methane and ethane) to 20 ppmvd or less @ 3% O2	Y	
63.7925(f)	Closed Vent Systems and Control Devices – process heater or boiler requirements	Y	
63.7925(f)(1)	Option 1: Introduce vent stream into flame zone; residence time >= 0.5 seconds and temperature >= 760C	Y	
63.7925(f)(2)	Option 2: Introduce vent stream with primary fuel	Y	
63.7925(f)(3)	Option 3: Introduce vent stream into permitted boiler or process heater complying with 40 CFR 266 Subpart H – Hazardous Waste Burned in Boilers and Industrial Furnaces	Y	
63.7925(g)	Closed Vent Systems and Control Devices – control device operating limits	Y	
63.7925(g)(1)	Regenerable carbon adsorption system requirements	Y	
63.7925(g)(2)	Nonregenerable carbon adsorption system requirements	Y	
63.7925(g)(3)	Condenser requirements	Y	
63.7925(g)(4)	Thermal incinerator requirements	Y	
63.7925(g)(5)	Catalytic incinerator requirements	Y	
63.7925(g)(6)	Boiler or process heater requirements	Y	
63.7925(h)	Closed Vent Systems and Control Devices – carbon absorption system work practice standards	Y	
63.7925(h)(1)	Regenerable carbon adsorption system work practices	Y	
63.7925(h)(2)	Nonregenerable carbon adsorption system work practices	Y	
63.7925(h)(3)	Nonregenerable carbon adsorption system alternative practices	Y	
63.7925(i)	Closed Vent Systems and Control Devices – catalytic incinerator work practice standards	Y	
63.7925(j)	Closed Vent Systems and Control Devices – alternative work practice standards	Y	
63.7926	Closed Vent Systems and Control Devices – Initial compliance	Y	

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Table IV - A
Source-specific Applicable Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.7926(a)	Closed Vent Systems and Control Devices – Initial compliance with 63.7925 requirements	Y	
63.7926(b)	Closed Vent Systems and Control Devices – NCS must contain statement of compliance for these closed vent system requirements	Y	
63.7926(b)(1)	Rqmt 1: Closed vent system installation and records	Y	
63.7926(b)(2)	Rqmt 2: Initial inspection of closed vent system and records	Y	
63.7926(c)	Closed Vent Systems and Control Devices – NCS must contain statement of compliance for control devices for facility-wide process vent emission control requirements	Y	
63.7926(c)(1)	Option 1: Document 95% control of emissions demonstrated in performance test or design evaluation	Y	
63.7926(c)(2)	Option 2: Document max emissions <= 20 ppmvd @ 3% O2 demonstrated in performance test or design evaluation	Y	
63.7926(d)	Closed Vent Systems and Control Devices – initial compliance demonstration - control device operating limits	Y	
63.7926(d)(1)	Rqmt 1: Establish appropriate operating limit(s) for each applicable operating parameter for control device per 63.7925(g)	Y	
63.7926(d)(2)	Rqmt 1: Record of applicable operating parameter data during performance test or design evaluation when emissions met applicable limit	Y	
63.7926(e)	Closed Vent Systems and Control Devices – carbon adsorption system – spent carbon replacement and disposal work practice standards - NCS must contain statement of compliance	Y	
63.7926(f)	Closed Vent Systems and Control Devices – catalytic oxidizer – catalyst replacement work practice standards - NCS must contain statement of compliance	Y	
63.7926(h)	Closed Vent Systems and Control Devices – records demonstrating compliance with boiler or process heater work practice standards in 63.7925(f) - NCS must contain statement of compliance	Y	
63.7927	Closed vent system and control devices – inspection and monitoring requirements	Y	
63.7927(a)	Closed vent system and control devices – Closed vent system inspection and monitoring requirements	Y	
63.7927(a)(1)	Rqmt 1: Inspection and monitoring options	Y	
63.7927(a)(2)	Rqmt 2: Closed vent system bypass device requirements	Y	
63.7927(b)	Closed vent system and control devices – Regenerable carbon adsorption system inspection and monitoring requirements	Y	
63.7927(b)(1)	Rqmt 1: Use CPMS to measure and record hourly average total regeneration stream flow during carbon adsorption cycle	Y	
63.7927(b)(2)	Rqmt 2: Use CPMS to measure and record hourly average temperature during regeneration	Y	
63.7927(b)(3)	Rqmt 3: Use CPMS to measure and record hourly average temperature of adsorption bed after regeneration	Y	

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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.7927(c)	Closed vent system and control devices – Nonregenerable carbon adsorption system inspection and monitoring requirements – CPMS – organic compounds in exhaust	Y	
63.7927(d)	Closed vent system and control devices – Condenser inspection and monitoring requirements – CPMS – exit temperature	Y	
63.7927(e)	Closed vent system and control devices – Thermal incinerator inspection and monitoring requirements – CPMS – hourly average firebox temperature	Y	
63.7927(f)	Closed vent system and control devices – Catalytic incinerator inspection and monitoring requirements – CPMS – two temperature sensors – inlet and outlet	Y	
63.7927(g)	Closed vent system and control devices – Boiler or process heater inspection and monitoring requirements – CPMS – hourly average firebox temperature	Y	
63.7927(i)	Closed vent system and control devices – Boiler or process heater inspection and monitoring requirements – if introduced into flame zone, then CPMS – combustion zone temperature	Y	
63.7928	Closed vent system and control devices – continuous compliance	Y	
63.7928(a)	Closed vent system and control devices – continuous compliance requirements	Y	
63.7928(b)	Closed vent system and control devices – closed vent system continuous compliance with 63.7925(c) requirements	Y	
63.7928(b)(1)	Closed vent system designed for no detectable emissions - annual monitoring and inspection	Y	
63.7928(b)(2)	Closed vent system designed for to operate below atmospheric pressure – annual visual inspection	Y	
63.7928(b)(3)	Closed vent system – repair defects	Y	
63.7928(b)(4)	Closed vent system – inspection records	Y	
63.7928(b)(5)	Closed vent system – optional monitoring records	Y	
63.7928(b)(6)	Closed vent system bypass device – flow detector records, if applicable	Y	
63.7928(b)(7)	Closed vent system bypass device – monthly inspections of seal or closure mechanism, if applicable	Y	
63.7928(c)	Closed vent system and control devices – control device continuous compliance with 63.7925(d) requirements	Y	
63.7928(c)(1)	For 63.7925(d)(1) limit: maintain emission reduction >= 95%	Y	
63.7928(c)(2)	For 63.7925(d)(2) limit: maintain emissions <= 20 ppmvd @ 3% O2	Y	
63.7928(d)	Closed vent system and control devices – control device continuous compliance with 63.7925(g) requirements	Y	
63.7928(d)(1)	Maintain each operating limit as applicable to control device	Y	
63.7928(d)(2)	Monitor and inspect control device per 63.7927 as applicable	Y	
63.7928(d)(3)	Operate and maintain each CPMS per 63.7945 and collect and reduce data per 63.7946	Y	

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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.7928(d)(4)	Recordkeeping	Y	
63.7928(e)	Closed Vent Systems and Control Devices – regenerable carbon adsorption system – spent carbon replacement and disposal work practice standards	Y	
63.7928(f)	Closed Vent Systems and Control Devices – nonregenerable carbon adsorption system – spent carbon replacement and disposal work practice standards	Y	
63.7928(g)	Closed Vent Systems and Control Devices – nonregenerable carbon adsorption system – spent carbon replacement and disposal work practice standards – alternative standards	Y	
63.7928(h)	Closed Vent Systems and Control Devices – catalytic oxidizer – catalyst replacement work practice standards	Y	
63.7928(j)	Closed Vent Systems and Control Devices –process heater work practice standards continuous compliance demonstration	Y	
63.7935	General Compliance Requirements	Y	
63.7935(a)	Comply at all times except during periods of startup, shutdown, and malfunction	Y	
63.7935(b)	Comply with 63.6(e)(1)(i)	Y	
63.7935(c)	Develop a written SSMP per 63.6(e)(3)	Y	
63.7935(e)	Report each non-compliance (deviation) including startup, shutdown, and malfunction	Y	
63.7935(f)	Demonstration of compliance with SSMP for deviations during startup, shutdown, and malfunction	Y	
63.7936	Requirements to transfer remediation material off-site to another facility	Y	
63.7937	General Standards – Initial Compliance	Y	
63.7938	General Standards – Continuous Compliance	Y	
63.7940	Initial Compliance Demonstrations – Compliance Schedule	Y	
63.7940(a)	Requirements for existing sources with performance tests or design evaluations	Y	
63.7940(b)	Requirements for existing sources without performance tests or design evaluations	Y	
63.7940(c)	Requirements for new sources	Y	
63.7941	Initial Compliance Demonstration - Methods	Y	
63.7941(a)	Initial Compliance Demonstration – Comply with applicable methods for affected sources	Y	
63.7941(b)	Initial Compliance Demonstration - Requirements for performance tests as initial compliance demonstration	Y	
63.7941(c)	Initial Compliance Demonstration - Requirements for design evaluation of control devices (carbon, condenser, vapor incinerator, boiler, process heater)	Y	
63.7941(d)	Initial Compliance Demonstration - Monitoring requirements during performance tests and design evaluations	Y	

IV, Source-Specific Applicable Requirements

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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.7941(e)	Initial Compliance Demonstration – Process heater or boiler performance test requirements	Y	
63.7941(f)	Initial Compliance Demonstration – CPMS performance tests	Y	
63.7941(g)	Initial Compliance Demonstration – Requirements for visual inspections of affected sources	Y	
63.7941(i)	Initial Compliance Demonstration – Requirements for Container Level 2 tests	Y	
63.7941(j)	Initial Compliance Demonstration – Requirements for permanent total enclosures with control devices	Y	
63.7941(k)	Initial Compliance Demonstration – Requirements for Separators	Y	
63.7941(m)	Initial Compliance Demonstration – Reporting requirements for initial compliance demonstration performance test or design evaluation	Y	
63.7942	Subsequent performance test requirements	Y	
63.7943	Method to determine average VOHAP concentration in remediation material	Y	
63.7944	Method to determine maximum HAP vapor pressure of remediation material	Y	
63.7945	Continuous Monitoring Systems – installation, operation, and maintenance requirements	Y	
63.7945(a)	CPMS requirements	Y	
63.7945(a)(1)	Must complete a minimum of one cycle of operation each successive 15-minute period	Y	
63.7945(a)(2)	Data availability requirements for valid hourly average	Y	
63.7945(a)(3)	Data availability requirements for valid averaging period	Y	
63.7945(a)(4)	CPMS must determine hourly average or daily average, if required	Y	
63.7945(b)	Records of each inspection, calibration, and validation check	Y	
63.7945(c)	Performance evaluation requirements	Y	
63.7946	Monitor and collect data to demonstrate continuous compliance	Y	
63.7946(a)	Monitor and collect data per 63.7946 and site-specific monitoring plan	Y	
63.7946(b)	Monitor continuously (or at required intervals) at all times that affected source is operating except for monitor malfunctions, associated repairs, and required QA activities (calibration, etc.)	Y	
63.7946(c)	Do not use data recorded during monitoring malfunctions, associated repairs, out of control periods and required QA activities in data averages and calculations. Such data may not be used to fulfill a minimum data availability requirement.	Y	
63.7947	Monitoring alternatives	Y	
63.7947(a)	Use CEMS in place of a CPMS to measure control device outlet total organic emissions or organic HAP emissions concentration.	Y	

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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.7947(b)	Maintain the daily (24-hour) average total organic or HAP emissions concentration in exhaust vent stream of the control device outlet less than or equal to the site-specific operating limit established during the performance test	Y	
63.7950	Notification, Reports and Records	Y	
63.7950(a)	Submit notifications required in 63 Subpart A as required	Y	
63.7950(b)	Initial Notification compliance date (past due)	Y	
63.7950(c)	Initial Notification – new or reconstructed affected source	Y	
63.7950(d)	Notification requirement – 60 days prior to performance tests	Y	
63.7950(e)	Notification of Compliance Status – required if performance test, design evaluation , or other initial compliance demonstration is required	Y	
63.7950(f)	Notification of alternative standard selected	Y	
63.7951	Reports	Y	
63.7951(a)	Reports: Compliance report due dates	Y	
63.7951(b)	Reports: Compliance report contents	Y	
63.7951(c)	Reports: Immediate SSM report	Y	
63.7951(d)	Reports: Title V deviation reporting requirements	Y	
63.7952	Recordkeeping	Y	
63.7952(a)	Records required	Y	
63.7952(a)(1)	Records required: Copies of notifications and reports	Y	
63.7952(a)(2)	Records required: SSM records	Y	
63.7952(a)(3)	Records required: Performance tests and performance evaluations	Y	
63.7952(a)(4)	Records required: Applicability determinations for exemptions	Y	
63.7952(b)	Records required: CPMS	Y	
63.7952(b)(1)	Records required: CPMS records per 63.10(b)(2)	Y	
63.7952(b)(2)	Records required: CPMS performance evaluation plans	Y	
63.7952(c)	Records required: Continuous compliance demonstration records for all applicable requirements	Y	
63.7952(d)	Records required: Semiannual records (63.696(g) for planned routine maintenance of a control device for emissions from process vents	Y	
63.7953	Record retention	Y	
63.7953(a)	Record retention: Format	Y	
63.7953(b)	Record retention: 5 years	Y	
63.7953(c)	Record retention: 2 years on site; 3 years off-site	Y	
63.7953(d)	Record retention: Offsite for completed remediations or when no longer the owner	Y	
63.7955	Applicability of General Provisions 40 CFR 63 Subpart A	Y	

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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.7956	Implementation and Enforcement	Y	
63.7957	Definitions	Y	
BAAQMD Condition 19528	**Refinery Wide Permit Conditions**		
Part 12	Requirements Applicable to Tanks Exempt from Regulation 8-5, pursuant to Regulation 8-5-117 (basis: Regulation 8-5, Regulation 2-1-403, Regulation 2-6-503)	Y	
Part12A	Record Keeping Requirements Applicable to Tanks Exempt from Regulation 8-5, pursuant to Regulation 8-5-117 (basis: Regulation 8-5, Regulation 2-1-403, Regulation 2-6-503)	Y	

IV, Source-Specific Applicable Requirements

SECTION B COMBUSTION SOURCES

Table IV – B
Source-specific Applicable Requirements
S56 ON-SHORE FIRE-WATER PUMP DIESEL ENGINE ,

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6 Rule 1	**Particulate Matter; General Requirements (12/05/2007)**		
6-1-303	Ringelmann Number 2 Limitation	N	
6-1-303.1	For Emergency Standby Engines	N	
6-1-305	Visible Particles	N	
6-1-310	Particulate Weight Limitation	N	
6-1-401	Appearance of Emissions	N	
6-1-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (09/04/1998)**		
6-303	Ringelmann Number 2 Limitation	Y	
6-303.1	For Emergency Standby Engines	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-401	Appearance of Emissions	Y	
6-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions	Y	
BAAQMD Regulation 9 Rule 1	**Inorganic Gaseous Pollutants - Sulfur Dioxide (03/15/1995)**		
9-1-304	Fuel Burning (Liquid and Solid Fuels)	Y	
BAAQMD Regulation 9 Rule 8	**Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon Monoxide from Stationary Internal Combustion Engines (07/25/2007)**		
9-8-110	Exemptions	N	
9-8-110.5	Exemptions; Emergency Standby Engines	N	
9-8-330	Emergency Standby Engines, Hours of Operation	N	
9-8-330.1	Emergency Standby Engines, Hours of Operation	N	
9-8-330.3	Emergency Standby Engines, Hours of Operation	N	
9-8-502	Recordkeeping	N	
9-8-502.1	Monthly records of usage	N	
9-8-530	Emergency Standby Engines, Monitoring and Recordkeeping	N	
9-8-530.1	Emergency Standby Engines, Monitoring and Recordkeeping	N	
9-8-530.2	Emergency Standby Engines, Monitoring and Recordkeeping	N	

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Table IV – B
Source-specific Applicable Requirements
S56 ON-SHORE FIRE-WATER PUMP DIESEL ENGINE ,

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
9-8-530.3	Emergency Standby Engines, Monitoring and Recordkeeping	N	
CARB ATCM	**Stationary Diesel Engine ATCM section 93115, Title 17, CA Code of Regulations Requirements for New Diesel-Fired Emergency Standby Fire-Pump Assemblies (Installed after January 1, 2005)**		
93115.1	Purpose	N	
93115.2	Applicability	N	
93115.4	Definitions	N	
93115.4(50)	New or New CI Engine – installed after January 1, 2005 or a 2004 or 2005 model year engine purchased prior to January 1, 2005 for use in California or reconstructed after January 1, 2005	N	
93115.5	Fuel and Fuel Additive Requirements for New and In-Use Stationary CI Engines That Have a Rated Brake Horsepower of Greater than 50 bhp	N	
93115.5(a)	Fuel and Fuel Additive Requirements: New stationary compression ignition engine requirements	N	
93115.5(a)(1)	Must use CARB Diesel Fuel	N	
93115.6	ATCM for Stationary CI Engines – Emergency Standby Diesel-Fueled CI Engine (>50 bhp) Operating Requirements and Emission Standards	N	
93115.6(a)	New Emergency Standby Diesel-Fueled Compression Engine (> 50 bhp) Operating Requirements and Emission Standards	N	
93115.6 (a)(3)	New Engines	N	
93115.6 (a)(3)(A)	New Engines : Diesel PM Standard & Hours of Operation	N	
93115.6 (a)(3)(A)(1)	General Requirements – meet the more stringent of diesel PM standards in (a) and (b) and comply with (c)	N	
93115.6(a) (3)(A)(1)(a)	DPM <= 0.15 g/bhp-hr OR	N	
93115.6(a) (3)(A)(1)(b)	Meet DPM standard in 13CCR 2423	N	
93115.6(a) (3)(A)(1)(c)	Hours of Operation: 50 hrs/yr maintenance and testing. No limit for emergency and emission testing for compliance with this regulation	N	
93115.6 (a)(3)(A)(2)	Alternate Requirements – Allowed 100 hours/year maintenance and testing if Diesel PM <= 0.01 g/bhp-hr.	N	
93115.6 (a)(3)(B)	New Engines : Hydrocarbon, NMHC, NOx, CO Standards – Off-road Compression-Ignition Engine Standards (13 CCR 2423) or Tier 1 standards in 13 CCR 2423 if no applicable off-road CI engine standards.	N	

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Source-specific Applicable Requirements
S56 ON-SHORE FIRE-WATER PUMP DIESEL ENGINE ,

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
93115.6 (a)(3)(C)	New Engines: District may establish more stringent limits and standards	N	
93115.6 (a)(4)	New Direct-Drive Emergency Standby Fire Pump Engines – comply with 93115.6(a)(3) or 83115.6(a)(4)	N	
93115.6 (a)(4)(A)	New Direct-Drive Emergency Standby Fire Pump Engines: Standards & Hours of Operation	N	
93115.6 (a)(4)(A)(1)	New Direct-Drive Emergency Standby Fire Pump Engines: General Requirements	N	
93115.6(a) (4)(A)(1)(a)	Compliance schedule for 13 CCR 2423 Tier 2, Tier 3, and Tier 4 standards	N	
93115.6(a) (4)(A)(1)(b)	Hours of operation limited to hours necessary to comply with testing requirements of NFPA 25. No limit for emergency and emission testing for compliance with this regulation	N	
93115.6 (a)(4)(B)	New Direct-Drive Emergency Standby Fire Pump Engines: District may establish more stringent limits and standards	N	
93115.10	Recordkeeping, Reporting and Monitoring	N	
93115.10(e)	Monitoring equipment	N	
93115.10 (e)(1)	Non resettable hour meter	N	
93115.10 (e)(3)	District may require additional monitoring	N	
93115.10(g)	Reporting Requirements for Emergency Standby Engines	N	
93115.10 (g)(1)	Records and monthly summary required	N	
93115.10 (g)(2)	Record retention	N	
93115.15	Severability	N	
40 CFR 63 Subpart ZZZZ	**NESHAPS for Stationary Reciprocating Internal Combustion Engines (1/30/13) Requirements for New Stationary RICE > 500 bhp**		
63.6585	Applicability: stationary RICE at a major or area source of HAP emissions	Y	
63.6585(a)	Definition: stationary RICE	Y	
63.6585(b)	Definition: major source of HAPs	Y	
63.6590	Affected sources	Y	
63.6590(a)	Affected source is any existing, new, or reconstructed stationary RICE	Y	
63.6590(a)(2)	An new stationary RICE is:	Y	
63.6590 (a)(2) (i)	More than 500 bhp located at a major source of HAPs which commenced construction on or after December 19, 2002	Y	

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Table IV – B
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S56 ON-SHORE FIRE-WATER PUMP DIESEL ENGINE ,

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.6590(b)	Stationary RICE subject to limited requirements	Y	
63.6590(b)(1)	Stationary RICE subject to limited requirements must only meet initial notification requirements of 63.6645(f) if	Y	
63.6590 (b)(1) (i)	the stationary RICE is a new emergency RICE with a site rating of more than 500 bhp located at a major source of HAPs	Y	
63.6645	Notifications	Y	
63.6645(f)	Initial notification requirement when no other requirements apply	Y	
BAAQMD Condition 23811			
Part 1	Hours of operation limit for reliability-related activities [basis: "Stationary Diesel Engine ATCM" CA Code of Regulations, Title 17, Section 93115.6(b)(3)(A)2b and 93115.6(a)(3)(A)1c]	Y	
Part 2	Emergency use [basis: Regulation 9-8-330, "Stationary Diesel Engine ATCM" CA Code of Regulations, Title 17, Section 93115.4(29)]	Y	
Part 3	Totalizing Meter [basis: "Stationary Diesel Engine ATCM" CA Code of Regulations, Title 17, Section 93115.10(e)(1)]	Y	
Part 4	Recordkeeping [basis: Regulation 9-8-530, "Stationary Diesel Engine ATCM" CA Code of Regulations, Title 17, Section 93115.10(g)]	Y	

IV, Source-Specific Applicable Requirements

SECTION C TANKS

Table IV – C
Source-specific Applicable Requirements
S19, S21, S30 (Riveted and Welded TK-B-19, TK-B-21, TK-B-30)
S49, S50 (Welded TK-B-49, TK-B-50)
External Floating Roof Tanks, MACT Group 1

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8 Rule 5	**Organic Compounds – Storage of Organic Liquids (10/18/2006)**		
8-5-100	General	Y	
8-5-101	Description	Y	
8-5-111	Limited Exemption, Tank Removal From and Return to Service	N	
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	Y	
8-5-111.1.2	Limited Exemption, Tank Removal From and Return to Service, Notification	Y	
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service; Tank in compliance at time of notification	N	
8-5-111.3	Limited Exemption, Tank Removal From and Return to Service; Filling, emptying, refilling floating roof tanks	Y	
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service; Minimize emissions and, if required, degas per 8-5-328	N	
8-5-111.6	Limited Exemption, Tank Removal From and Return to Service; Self report if out of compliance during exemption period	N	
8-5-112	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation	N	
8-5-112.1	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; Notification	Y	
8-5-112.1.1	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; Notification	Y	
8-5-112.1.2	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; Notification	Y	
8-5-112.2	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; Tank in compliance at time of notification	N	
8-5-112.3	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; No product movement, Minimize emissions	Y	
8-5-112.4	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; Not to exceed 7 days	N	
8-5-112.5	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; Self report if out of compliance during exemption period	N	
8-5-112.6	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; Keep records for each exemption	N	

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Table IV – C
Source-specific Applicable Requirements
S19, S21, S30 (Riveted and Welded TK-B-19, TK-B-21, TK-B-30)
S49, S50 (Welded TK-B-49, TK-B-50)
External Floating Roof Tanks, MACT Group 1

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-5-112.6.1	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; Keep records for each exemption	N	
8-5-112.6.2	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; Keep records for each exemption	N	
8-5-112.6.3	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; Keep records for each exemption	N	
8-5-112.6.4	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; Keep records for each exemption	N	
8-5-117	Limited Exemption, Low Vapor Pressure	N	
8-5-119	Limited Exemption, Repair Period - Optional	N	
8-5-119.1	Limited Exemption, Repair Period - Optional	N	
8-5-119.2	Limited Exemption, Repair Period - Optional	N	
8-5-119.3	Limited Exemption, Repair Period - Optional	N	
8-5-301	Storage Tank Control Requirements	N	
8-5-304	Requirements for External Floating Roof Tanks	N	
8-5-304.1	Requirements for External Floating Roofs; Tank fittings	Y	
8-5-304.2	Requirements for External Floating Roofs; Primary seal (8-5-321)	Y	
8-5-304.3	Requirements for External Floating Roofs; Secondary seal (8-5-322)	Y	
8-5-304.4	Requirements for External Floating Roofs; Floating roof	N	
8-5-304.5	Requirements for External Floating Roofs; Tank shell	N	
8-5-304.6	Requirements for External Floating Roofs; Pontoons – no leaks	N	
8-5-304.6.1	Requirements for External Floating Roofs; Pontoons – make gas tight if leaking	N	
8-5-304.6.2	Requirements for External Floating Roofs; Pontoons-repair all leaks at next removal from service	N	
8-5-320	Floating Roof Tank Fitting Requirements	N	
8-5-320.2	Floating Roof Tank Fitting Requirements; Projection below liquid surface	N	
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	
8-5-320.5	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	

IV, Source-Specific Applicable Requirements

Table IV – C
Source-specific Applicable Requirements
S19, S21, S30 (Riveted and Welded TK-B-19, TK-B-21, TK-B-30)
S49, S50 (Welded TK-B-49, TK-B-50)
External Floating Roof Tanks, MACT Group 1

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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	
8-5-321.3.3 S19,S21 & S30 Only	Primary Seal Requirements; Metallic-shoe-type seal requirements--riveted tanks	Y	
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	
8-5-322.4	Secondary seal requirements; Riveted tanks seal requirements	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	
8-5-328.1	Tank Degassing Requirements; Tanks > 75 cubic meters	N	
8-5-328.2	Tank Degassing Requirements; Ozone Excess Day Prohibition	Y	
8-5-328.3	Tank Degassing Requirements; BAAQMD notification required	N	
8-5-331	Tank Cleaning Requirements	N	
8-5-331.1	Tank Cleaning Requirements; Cleaning material properties	N	
8-5-331.2	Tank Cleaning Requirements; Steam cleaning prohibition	N	
8-5-331.3	Tank Cleaning Requirements; Steam cleaning exceptions	N	
8-5-401	Inspection Requirements for External Floating Roof Tanks	N	
8-5-401.1	Inspection Requirements for External Floating Roof Tanks; Primary and Secondary Seal Inspections	N	
8-5-401.2	Inspection Requirements for External Floating Roof Tanks; Tank Fittings Inspections	N	
8-5-404	Inspection, Abatement Efficiency Determination, and Source Test Reports	N	
8-5-411	Enhanced Monitoring Program (Optional)	N	
8-5-411.3	Enhanced Monitoring Program (Optional); Performance requirements	N	
8-5-412	Monitoring of Leaking Pontoons	N	
8-5-501	Records	N	
8-5-501.1	Records; Type and amounts of liquid, type of blanket gas, TVP - Retain 24 months	Y	

IV, Source-Specific Applicable Requirements

Table IV – C
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S19, S21, S30 (Riveted and Welded TK-B-19, TK-B-21, TK-B-30)
S49, S50 (Welded TK-B-49, TK-B-50)
External Floating Roof Tanks, MACT Group 1

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-5-501.2	Records; Internal and External Floating Roof Tanks, Seal Replacement Records - Retain 10 years	Y	
8-5-501.3	Records; Retention	N	
8-5-602	Analysis of Samples, True Vapor Pressure	Y	
8-5-604	Determination of Applicability Based on True Vapor Pressure	Y	
8-5-605	Measurement of Leak Concentration and Residual Concentrations	N	
8-5-605.1	Measurement of Leak Concentration and Residual Concentrations; EPA Method 21 Instrument	N	
8-5-605.2	Measurement of Leak Concentration and Residual Concentrations; Test Methods	N	
8-5-606	Analysis of Samples, Tank Cleaning Agents	N	
8-5-606.1	Analysis of Samples, Tank Cleaning Agents; IBP	N	
8-5-606.2	Analysis of Samples, Tank Cleaning Agents; TVP	N	
8-5-606.3	Analysis of Samples, Tank Cleaning Agents; VOC	N	
SIP Regulation 8 Rule 5	**Organic Compounds - Storage of Organic Liquids (06/05/2003)**		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service, Tank in compliance prior to notification	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	
8-5-112.2	Limited Exemption, Tanks in Operation, Tank in compliance prior to start of work. Certified per 8-5-404	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	Y	
8-5-304	Requirements for External Floating Roofs; Floating roof requirements	Y	
8-5-304.4	Requirements for External Floating Roofs; Floating roof requirements	Y	
8-5-320	Tank Fitting Requirements	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; Gasketed covers, seals, lids	Y	

IV, Source-Specific Applicable Requirements

Table IV – C
Source-specific Applicable Requirements
S19, S21, S30 (Riveted and Welded TK-B-19, TK-B-21, TK-B-30)
S49, S50 (Welded TK-B-49, TK-B-50)
External Floating Roof Tanks, MACT Group 1

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-5-320.5	Tank Fitting Requirements; Slotted sampling or gauging wells	Y	
8-5-320.5.2	Tank Fitting Requirements; Slotted sampling or gauging wells - cover, gasket, pole sleeve, pole wiper for EFR wells	Y	
8-5-321	Primary Seal Requirements	Y	
8-5-321.3	Primary Seal Requirements; Metallic-shoe-type seal requirements	Y	
8-5-322	Secondary Seal Requirements	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; Concentration of <10,000 ppm as methane after degassing	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	Report	Y	
8-5-405.1	Information required	Y	
8-5-405.2	Information required	Y	
8-5-405.3	Information required	Y	
8-5-501	Records	Y	
8-5-503	Portable Hydrocarbon Detector	Y	
40 CFR 63 Subpart G	**NESHAPS for Source Categories: SOCMI HON G (12/22/2008) Requirements for Tanks subject to 40 CFR 63 Subpart CC**		
63.119	Storage Vessel Provisions--Reference Control Technology	Y	
63.119(a)	Storage Vessel Provisions -- Reference Control Technology	Y	
63.119(a)(1)	Storage Vessel Provisions -- Reference Control Technology-- Group 1, TVP < 76.6 kPa (11psi)	Y	
63.119(c)	Storage Vessel Provisions . Reference Control Technology-- External floating roof	Y	
63.119(c)(1)	Storage Vessel Provisions . Reference Control Technology-- External floating roof seals	Y	
63.119 (c)(1)(i)	Storage Vessel Provisions . Reference Control Technology-- External floating roof double seals required	Y	
63.119 (c)(1)(ii)	Storage Vessel Provisions . Reference Control Technology-- External floating roof primary seal requirements	Y	
63.119 (c)(1)(iii)	Storage Vessel Provisions . Reference Control Technology-- External floating roof primary and secondary seal requirements	Y	
63.119(c)(3)	Storage Vessel Provisions . Reference Control Technology-- External floating roof – roof must rest on liquid	Y	
63.119 (c)(3)(i)	Storage Vessel Provisions . Reference Control Technology-- External floating roof exception	Y	

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Table IV – C
Source-specific Applicable Requirements
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S49, S50 (Welded TK-B-49, TK-B-50)
External Floating Roof Tanks, MACT Group 1

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

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S49, S50 (Welded TK-B-49, TK-B-50)
External Floating Roof Tanks, MACT Group 1

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.120(b)(7)	Storage Vessel Provisions . Procedures to Determine Compliance--External FR unsafe to perform seal measurements	Y	
63.120 (b)(7)(i)	Storage Vessel Provisions . Procedures to Determine Compliance--External FR unsafe to perform seal measurements	Y	
63.120 (b)(7)(ii)	Storage Vessel Provisions . Procedures to Determine Compliance--External FR unsafe to perform seal measurements	Y	
63.120(b)(8)	Storage Vessel Provisions -- Procedures to Determine Compliance External FR Repairs	Y	
63.120(b)(9)	Storage Vessel Provisions -- Procedures to Determine Compliance External FR seal gap measurement 30 day notification	Y	
63.120(b)(10)	Storage Vessel Provisions . Procedures to Determine Compliance--External FR and seals visual inspection each time emptied	Y	
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	
63.120 (b)(10)(ii)	Storage Vessel Provisions . Procedures to Determine Compliance--External FR and seal inspections 30 day notification	Y	
63.120 (b)(10)(iii)	Storage Vessel Provisions . Procedures to Determine Compliance--External FR and seal inspections -Notification for unplanned	Y	
63.123	Storage Vessel Provisions--Recordkeeping.	Y	
63.123(a)	Storage Vessel Provisions . Recordkeeping--Group 1 and Group 2	Y	
63.123(d)	Storage Vessel Provisions . Recordkeeping--Group 1 External floating Roof	Y	
63.123(g)	Storage Vessel Provisions -- Recordkeeping, Extensions	Y	
40 CFR 63 Subpart CC	**NESHAPS for Source Categories - Petroleum Refineries (MACT) (06/30/2010)**		
63.640	Applicability	Y	
63.640(c)(2)	Applicability and Designation of Storage Vessels	Y	
63.641	Definitions:	Y	
63.646	Storage Vessel Provisions	Y	
63.646(a)	Storage Vessel Provisions--Group 1, Comply with Subpart G 63.119 through 63.121.	Y	
63.646(b)(1)	Storage Vessel Provisions--Determine stored liquid % OHAP for group determination	Y	
63.646(b)(2)	Storage Vessel Provisions--Determine stored liquid % OHAP-method 18 to resolve disputes	Y	
63.646(c)	Storage Vessel Provisions--40 CFR 63 exclusions for storage vessels 63.119(b)(5); (b)(6); (c)(2); and (d)(2) are not applicable	Y	
63.646(d)	Storage Vessel Provisions--How to handle references in 40 CFR 63 Subpart G for storage vessels	Y	

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Table IV – C
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S19, S21, S30 (Riveted and Welded TK-B-19, TK-B-21, TK-B-30)
S49, S50 (Welded TK-B-49, TK-B-50)
External Floating Roof Tanks, MACT Group 1

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.646(e)	Storage Vessel Provisions--Compliance with inspection requirements of 63.120 of Subpart G for gaskets, slotted membranes, and sleeve seals	Y	
63.646(f)	Storage Vessel Provisions—Group 1 floating roof requirements	Y	
63.646(f)(1)	Storage Vessel Provisions—Group 1 floating roof requirements--Cover or lid	Y	
63.646(f)(2)	Storage Vessel Provisions—Group 1 floating roof requirements--Rim space	Y	
63.646(f)(3)	Storage Vessel Provisions-Group 1 floating roof requirements--Automatic bleeder vents	Y	
63.646(g)	Storage Vessel Provisions—Failure to perform inspections and monitoring required by this section shall constitute a violation of the applicable standard of this subpart.	Y	
63.646(h)	Storage Vessel Provisions—References in 63.119 through 63.121 to 63.122(g)(1), 63.151, and references to initial notification requirements do not apply	Y	
63.646(i)	Storage Vessel Provisions – References to the Implementation Plan in 63.120, paragraphs (d)(2) and (d)(3)(i) shall be replaced with the Notification of Compliance Status report.	Y	
63.646(j)	Storage Vessel Provisions—References to the Notification of Compliance Status Report in 63.152(b) shall be replaced with 63.655(f).	Y	
63.646(k)	Storage Vessel Provisions—References to the Periodic Reports in 63.152(c) shall be replaced with 63.655(g).	Y	
63.646(l)	Storage Vessel Provisions--State or local permitting agency notification requirements	Y	
63.655	Reporting and Recordkeeping Requirements	Y	
63.655(e)	Reporting and Recordkeeping Requirements – Required Reports	Y	
63.655(f)	Reporting and Recordkeeping Requirements--Notice of compliance status report requirements	Y	
63.655 (f)(1)(i)(A)	Reporting and Recordkeeping Requirements--Notice of compliance status report requirements--Reporting--storage vessels	Y	
63.655(f) (1)(i)(A)(1)	Reporting and Recordkeeping Requirements--Notice of compliance status report requirements--Reporting--storage vessels	Y	
63.655(g)	Reporting and Recordkeeping Requirements—Periodic Reports	Y	
63.655(g)(1)	Periodic Reporting and Recordkeeping Requirements-Periodic Reports-storage vessels	Y	
63.655(g)(3)	Periodic Reporting and Recordkeeping Requirements--storage vessels with external floating roofs	Y	
63.655 (g)(3)(i)	Periodic Reporting and Recordkeeping Requirements--storage vessels with external floating roofs	Y	
63.655 (g)(3)(i)(A)	Periodic Reporting and Recordkeeping Requirements--storage vessels with external floating roofs	Y	

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Table IV – C
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S49, S50 (Welded TK-B-49, TK-B-50)
External Floating Roof Tanks, MACT Group 1

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.655 (g)(3)(i)(B)	Periodic Reporting and Recordkeeping Requirements--storage vessels with external floating roofs	Y	
63.655 (g)(3)(i)(C)	Periodic Reporting and Recordkeeping Requirements--storage vessels with external floating roofs	Y	
63.655 (g)(3)(i)(D)	Periodic Reporting and Recordkeeping Requirements--storage vessels with external floating roofs	Y	
63.655 (g)(3)(ii)	Periodic Reporting and Recordkeeping Requirements--storage vessels with external floating roofs	Y	
63.655 (g)(3)(iii)	Periodic Reporting and Recordkeeping Requirements--storage vessels with external floating roofs	Y	
63.655 (g)(3)(iii)(B)	Periodic Reporting and Recordkeeping Requirements--storage vessels with external floating roofs	Y	
63.655(h)(2)	Reporting and Recordkeeping Requirements--Other reports--Storage vessel notification of inspections. NOTE: notification requirement has been waived per 63.655(h)(2)(ii).	Y	
63.655 (h)(2)(i)	Reporting and Recordkeeping Requirements--Other reports--Storage vessel notification of inspections.	Y	
63.655 (h)(2)(i)(A)	Reporting and Recordkeeping Requirements--Other reports--Storage vessel notification of inspections.	Y	
63.655 (h)(2)(i)(B)	Reporting and Recordkeeping Requirements--Other reports--Storage vessel notification of inspections.	Y	
63.655 (h)(2)(i)(C)	Reporting and Recordkeeping Requirements--Other reports--Storage vessel notification of inspections.	Y	
63.655 (h)(2)(ii)	Reporting and Recordkeeping Requirements--Other reports--Storage vessel notification of inspections.	Y	
63.655(h)(6)	Reporting and Recordkeeping Requirements--Other reports--Determination of Applicability	Y	
63.655 (h)(6)(ii)	Reporting and Recordkeeping Requirements--Other reports--Determination of Applicability	Y	
63.655(i)(1)	Reporting and Recordkeeping Requirements--Recordkeeping for storage vessels	Y	
63.655 (i)(1)(i)	Reporting and Recordkeeping Requirements—Recordkeeping for storage vessels	Y	
63.655 (i)(1)(iv)	Reporting and Recordkeeping Requirements--Recordkeeping for Group 2 storage vessels	Y	
63.655(i)(4)	Reporting and Recordkeeping Requirements—Record retention	Y	
BAAQMD Condition 22455			
Part 9	Combined throughput limit, Tanks S19, S21, S30, S49, S50 (basis: cumulative increase, offsets, toxic risk screen)	Y	
Part 12	Recordkeeping requirements for Part 9 (basis: cumulative increase, recordkeeping, Regulation 1-441)	Y	

IV, Source-Specific Applicable Requirements

SECTION D MISCELLANEOUS ORGANIC SOURCES (INCLUDING FUGITIVE COMPONENTS)

Table IV – D
Source-Specific Applicable Requirements
EQUIPMENT LEAK COMPONENTS, EXCLUDING WASTEWATER COMPONENTS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8 Rule 18	**Organic Compounds - Equipment Leaks (09/15/2004)**		
8-18-100	General/Applicability	Y	
8-18-110	Exemption, Controlled Seal Systems and Pressure Relief Devices	N	
8-18-113	Limited Exemption, Initial Boiling Point	Y	
8-18-115	Limited Exemption, Storage Tanks	Y	
8-18-116	Limited Exemption, Vacuum Service	Y	
8-18-200	Definitions	Y	
8-18-301	General Standard	Y	
8-18-302	Valves	N	
8-18-303	Pumps and compressors	N	
8-18-304	Connections	N	
8-18-304.1	Connection Leak Discovered by Operator	Y	
8-18-304.2	Connection Leak Discovered by APCO	N	
8-18-304.3	Connections Subject to 8-18-306	N	
8-18-305	Pressure relief devices	Y	
8-18-306	Non-repairable equipment	N	
8-18-306.1	Non-repairable Equipment	N	
8-18-306.2	Non-repairable Equipment	N	
8-18-306.3	Non-Repairable Connections Count as Two Valves	N	
8-18-306.4	Requirements for Valves with Major Leaks (>=10,000 ppm)	N	
8-18-307	Liquid Leaks	Y	
8-18-308	Alternate compliance	Y	
8-18-401	Inspection	N	
8-18-402	Identification	Y	
8-18-403	Visual inspection schedule	Y	
8-18-404	Alternate inspection schedule	Y	
8-18-405	Alternate inspection reduction plan	Y	
8-18-406	Interim Compliance	Y	
8-18-501	Portable Hydrocarbon Detector	Y	
8-18-502	Records	Y	
8-18-503	Reports	N	
8-18-601	Analysis of Samples	Y	

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Source-Specific Applicable Requirements
EQUIPMENT LEAK COMPONENTS, EXCLUDING WASTEWATER COMPONENTS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-18-602	Inspection Procedure	Y	
8-18-603	Determination of Control Efficiency	N	
8-18-604	Determination of Mass Emissions	N	
SIP Regulation 8 Rule 18	**Organic Compounds, Equipment Leaks (06/05/2003)**		
8-18-110	Exemption, Controlled Seal Systems and Pressure Relief Devices	Y	
8-18-302	Valves	Y	
8-18-303	Pumps and Compressors	Y	
8-18-304	Connections	Y	
8-18-304.2	Connection Leak Discovered by APCO	Y	
8-18-306	Non-repairable Equipment	Y	
8-18-306.1	Non-repairable Equipment	Y	
8-18-306.2	Non-repairable Equipment	Y	
8-18-401	Inspection	Y	
8-18-502	Records	Y	
8-18-603	Determination of Control Efficiency	Y	
8-18-604	Determination of Mass Emissions	Y	
BAAQMD Regulation 10	**Standards of Performance for New Stationary Sources incorporated by reference (02/16/2000)**		
10-52	Subpart VV - Standards of Performance for Equipment Leaks for SOCMI (Fugitive Emission Sources) Applicability determined by 40 CFR 63 Subpart CC		
40 CFR 60 Subpart VV	**Standards of Performance for Equipment Leaks for SOCMI (Fugitive Emission Sources) ((06/02/2008) Referenced by 40 CFR 63 Subpart CC**		
60.482-1	Standards: General	Y	
60.482-1(b)	Compliance with 60.482-1 to 60.482-10 will be determined….	Y	
60.482-1(d)	Equipment that is in vacuum service is excluded from the requirements of 60.482-2 to 60.482-10 if it is identified as required in 60.486(e)(5).	Y	
60.482-2	Standards: Pumps in light liquid service	Y	
60.482-2(a)(1)	Monthly monitoring of each pump, except for 60.482-2(d).	Y	
60.482-2(a)(2)	Weekly visual inspection of each pump.	Y	
60.482-2(b)(1)	Air measurement instrument reading >10,000 ppm indicates leak	Y	
60.482-2(b)(2)	Dripping liquid from pump seal indicates leak	Y	
60.482-2(c)(1)	Leak repaired within 15 calendar days, except as provided in 60.482-9.	Y	

IV, Source-Specific Applicable Requirements

Table IV – D
Source-Specific Applicable Requirements
EQUIPMENT LEAK COMPONENTS, EXCLUDING WASTEWATER COMPONENTS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.482-2(c)(2)	First attempt at leak repair made within 5 calendar days.	Y	
60.482-2(d)	Pump with dual-mechanical seal system that includes barrier fluid system and meets specified requirements is exempt from 60.482-2(a).	Y	
60.482-2(g)	Pump designated, per 60.486(f)(1), as unsafe-to-monitor pump is exempt from 60.482-2(a) and (d)(4) through (d)(6) if hazard documented and written monitoring plan is followed.	Y	
60.482-3	Standards: Compressor	Y	
60.482-3(a)	Each compressor equipped with seal system that includes a barrier fluid system and prevents leakage of VOC to atmosphere.	Y	
60.482-3(b)	Each compressor seal system operated with barrier fluid at pressure greater than compressor stuffing box pressure; or equipped with system that purges barrier fluid into process stream with zero emissions to atmosphere.	Y	
60.482-3(c)	Barrier fluid system shall be in heavy liquid service.	Y	
60.482-3(d)	Each barrier fluid system equipped with sensor that detects failure of seal system, barrier fluid system or both.	Y	
60.482-3(e)(1)	Each sensor shall be checked daily or shall be equipped with an audible alarm.	Y	
60.482-3(e)(2)	Owner shall determine a criterion that indicates failure of seal system, barrier fluid system, or both.	Y	
60.482-3(f)	If sensor indicates failure based on criterion established in 60.482-3(e)(2), a leak is detected.	Y	
60.482-3(g)(1)	Leak shall be repaired within 15 calendar days, except as provided in 60.482-9.	Y	
60.482-3(g)(2)	First attempt at repair shall be made within 5 calendar days.	Y	
60.482-3(j)	Existing reciprocating compressor in a process unit that becomes an affected facility is exempt from 60.482-3(a) through (e) and (h) if recasting distance piece or replacing compressor are only options for compliance.	Y	
60.482-4	Standards: Pressure relief devices in gas/vapor service	Y	
60.482-4(a)	Except during pressure releases, pressure relief device shall be operated with no detectable emissions (< 500 ppm).	Y	
60.482-4(b)(1)	After each pressure release, pressure release device shall be returned to a condition of no detectable emissions within 5 calendar days after pressure release, except as provided in 60.482-9.	Y	
60.482-4(b)(2)	No later than 5 calendar days after pressure release, the pressure relief device shall be monitored to confirm no detectable emissions.	Y	

IV, Source-Specific Applicable Requirements

Table IV – D
Source-Specific Applicable Requirements
EQUIPMENT LEAK COMPONENTS, EXCLUDING WASTEWATER COMPONENTS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.482-4(c)	Any pressure relief device that is routed to a process or fuel gas system or equipped with a closed vent system capable of capturing and transporting leakage to a control device as described in 60.482-10 is exempt from 60.482-4(a) and (b).	Y	
60.482-4(d)(1)	Any pressure relief devise that is equipped with a rupture disk upstream of the pressure relief device is exempt from 60.482-4(a) and (b) provided complies with 60.482-4(d)(2).	Y	
60.482-4(d)(2)	After each pressure release, a new rupture disk shall be installed upstream of the pressure relief device as soon as practicable, but no later than 5 calendar days after each pressure release, except as provided in 60.482-9.	Y	
60.482-5	Standards: Sampling connecting systems	Y	
60.482-6	Standards: Open-ended valves or lines	Y	
60.482-7	Standards: Valves in gas/vapor service and in light liquid service	Y	
60.482-7(a)	Monitor monthly to detect leaks, except as provided in 60.482-7(g) and (h) and 60.483-2.	Y	
60.482-7(b)	Instrument reading >10,000 ppm indicates leak.	Y	
60.482-7(c)	Valve that does not have a detectable leak for 2 successive months, can be monitored the first month of every quarter.	Y	
60.482-7(d)(1)	Leak shall be repaired within 15 calendar days, except as provided in 60.482-9.	Y	
60.482-7(d)(2)	First attempt at leak repair shall be made within 5 calendar days.	Y	
60.482-7(e)	Methods for first attempt at repair.	Y	
60.482-7(g)	Valve designated, per 60.486(f)(1), as unsafe-to-monitor valve is exempt from 60.482-7(a) if hazard documented and written monitoring plan is followed.	Y	
60.482-7(h)	Valve designated, per 60.486(f)(1), as difficult-to-monitor valve is exempt from 60.482-7(a) if hazard documented, less than 3% of facility valves are designated and written plan with is followed that requires monitoring at least once per year.	Y	
60.482-8	Standards: Pumps and valves in heavy liquid service, pressure relief devices in light liquid or heavy liquid service, and flanges and other connectors.	Y	
60.482-8(a)	Monitor within 5 days if evidence of potential leak is found.	Y	
60.482-8(b)	Instrument reading >10,000 ppm indicates leak.	Y	
60.482-8(c)(1)	Leak shall be repaired within 15 calendar days, except as provided in 60.482-9.	Y	
60.482-8(c)(2)	First attempt at leak repair shall be made within 5 calendar days.	Y	

IV, Source-Specific Applicable Requirements

Table IV – D
Source-Specific Applicable Requirements
EQUIPMENT LEAK COMPONENTS, EXCLUDING WASTEWATER COMPONENTS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.482-8(d)	Minimum requirements for first attempt at repair.	Y	
60.482-9	Standards: Delay of Repair		
60.482-9(a)	Delay allowed if repair is technically infeasible without a process unit shutdown and repair occurs before end of next process unit shutdown.	Y	
60.482-9(b)	Repair may be delayed for isolated equipment.	Y	
60.482-9(c)	Delay of repair for valves only allowed under certain circumstances.	Y	
60.482-9(d)(1)	Only dual-mechanical seal pumps qualify for delay of repair	Y	
60.482-9(d)(2)	Pump leaks must be repaired within 6 months.	Y	
60.482-9(e)	Delay of repair beyond process shutdown allowed if valve assembly replacement is required and other circumstances are met.	Y	
60.482-10	Standards: Closed vent systems and control devices	Y	
60.482-10(b)	Vapor recovery systems must recover VOC emissions by 95% or greater or to a concentration of 20 ppmv, whichever is less stringent	Y	
60.482-10(c)	Enclosed combustion devices shall be designed and operated to reduce the VOC emissions by 95% or greater or to a concentration of 20ppmv, whichever is less stringent	Y	
60.482-10(e)	Monitoring of control devices	Y	
60.482-10(f)	Inspection requirements – vapor collection system or closed vent system	Y	
60.482-10(g)	First attempt at repairing leaks (> 500 ppmv) in 5 days. Repair must be completed within 15 days.	Y	
60.482-10(h)	Closed vent system delay of repair	Y	
60.482-10(i)	Vapor collection system or closed vent system operated at a vacuum is exempt from inspection requirements	Y	
60.482-10(j)	Unsafe to monitor closed vent systems	Y	
60.482-10(k)	Difficult to monitor closed vent systems	Y	
60.482-10(l)	Recordkeeping for inspections	Y	
60.482-10(m)	Closed vent system and control devices - Operate at all times	Y	
60.483-2	If a process unit has 5 consecutive quarters with <2% of valves leaking at >10,000 ppm, then any individual valve which measures <100 ppm for 5 consecutive quarters may be monitored annually.	Y	
60.485	Test Methods and Procedures	Y	
60.485(a)	Performance tests methods specified in Appendix A or 60.8(b)	Y	
60.485(b)	Method 21 for determining presence of leaking sources.	Y	
60.485(d)	Test each piece of equipment unless process unit not in VOC series.	Y	
60.485(e)	Light liquid service demonstrated by vapor pressure and if liquid at operating conditions.	Y	
60.485(f)	Samples representative of process fluid.	Y	

IV, Source-Specific Applicable Requirements

Table IV – D
Source-Specific Applicable Requirements
EQUIPMENT LEAK COMPONENTS, EXCLUDING WASTEWATER COMPONENTS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.486	Record keeping Requirements	Y	
60.486(a)	Comply with recordkeeping requirements of this section.	Y	
60.486(b)	Identification and tagging requirements for leaks detected as specified in 60.482-2, 60.482-3, 60.482-7, 60.482-8, and 60.483-2.	Y	
60.486(c)	When leak detected as specified in 60.482-2, 60.482-3, 60.482-7, 60.482-8, and 60.483-2, record in log and keep for 2 years.	Y	
60.486(d)	Information to be recorded pertaining to the design requirements for closed vent systems and control devices: designs, dates, monitoring parameters required in 60.486(e), non-operational plans, startup and shutdown dates.	Y	
60.486(e)	Information to be recorded for all equipment subject to requirements in 60.482-1 through 60.482-10.	Y	
60.486(f)	Record information pertaining to all valves subject to the requirements in 60.482-7(g) and (h).	Y	
60.486(g)	Record information pertaining to all valves subject to the requirements in 60.483-2.	Y	
60.486(h)	Record design criterion required in 60.482-2(d)(5) and 60.482-3(e)(2).	Y	
60.486(i)	Record information in log that is readily accessible for use in determining exemption as provided in 60.480(d).	Y	
60.486(j)	Records to demonstrate piece of equipment not in VOC service.	Y	
60.486(k)	Provisions of 60.7(b) and (d) do not apply if subject to VV.	Y	
60.487	Reporting Requirements	Y	
60.487(a)	Submit semiannual reports.	Y	
60.487(c)	Information to be included in semiannual reports.	Y	
60.487(e)	Report results of all performance tests in accordance with 60.8. The provisions of 60.8(d) do not apply to affected facilities subject to VV.	Y	
40 CFR 63 Subpart CC	**NESHAPS for Source Categories - Petroleum Refineries (06/30/2010)**		
63.640(a)	Applicability	Y	
63.640(c)(4)	Applicability; equipment leaks	Y	
63.640(p)	Overlap of Subpart CC with other regulations for equipment leaks	Y	
63.640(p)(1)	Overlap with 40 CFR Part 60 and 40 CFR Part 61 Subparts promulgated prior to September 4, 2007 – comply with 40 CFR 63 Subpart CC only	Y	
63.640(p)(1)	Overlap with 40 CFR Part 60, Subpart GGGa – comply with Subpart GGGa	Y	
63.641	Definitions	Y	

IV, Source-Specific Applicable Requirements

Table IV – D
Source-Specific Applicable Requirements
EQUIPMENT LEAK COMPONENTS, EXCLUDING WASTEWATER COMPONENTS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.642(e)	Keep records for 5 years	Y	
63.648(a)	Equipment leak standards. Comply with 40 CFR 60, Subpart VV	Y	
63.648(a)(1)	Equipment Leak Standards--Existing sources: 40 CFR 60 Subpart VV applies only to organic HAP service.	Y	
63.648(f)	Equipment Leak Standards--Reciprocating pumps in light liquid service	Y	
63.648(g)	Equipment Leak Standards--Compressors in hydrogen service	Y	
63.648(h)	Equipment Leak Standards--Record retention	Y	
63.655(d)	Recordkeeping and reporting – Equipment leaks	Y	

V. SCHEDULE OF COMPLIANCE

A. Standard 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 19528 (Only Parts 12 and 12A Applicable for Facility E1200)

Modified by App 18739 (Nov 2008) Removal of S924 from Part 6

Administratively Modified by Application 19326 (Feb2009), Removed Part 2 and 2A

Administratively changed by Application 19419 (June 2009). Updated to remove parts 7 and 7A redundant with District regulations.

Administratively Revised by Application 19874 (July 2009) Updates for Combustion Sources

Administratively Revised by Application 18261 Title V Renewal. Added Parts 20 and 20A for S-1411 SAP CAM.

Administratively Changed by Application 21711 (May 2010). Deleted Parts 8/8A. Deleted S1416 from Part 10/10A. Renumbered Part 11C.

1. Not Applicable to Facility E1200.

2) Not Applicable to Facility E1200.

2A) Not Applicable to Facility E1200.

3) Not Applicable to Facility E1200.

3A) Not Applicable to Facility E1200.

4) Not Applicable to Facility E1200.

4A) Not Applicable to Facility E1200.

5) Not Applicable to Facility E1200.

5A) Not Applicable to Facility E1200.

6) Not Applicable to Facility E1200.

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6A) Not Applicable to Facility E1200.

7) Not Applicable to Facility E1200.

7A) Not Applicable to Facility E1200.

8) Not Applicable to Facility E1200.

8A) Not Applicable to Facility E1200.

9) Not Applicable to Facility E1200.

9A) Not Applicable to Facility E1200.

10) Not Applicable to Facility E1200.

10A) Not Applicable to Facility E1200.

Conditions for monitoring smoking flares :

11. Not Applicable to Facility E1200.

11A) Not Applicable to Facility E1200.

11B) Not Applicable to Facility E1200.

11C) Not Applicable to Facility E1200.

11D) Not Applicable to Facility E1200.

11E) Not Applicable to Facility E1200.

12) This condition applies to each organic liquid storage tank that is exempt from Regulation 8, Rule 5, Storage of Organic Liquids, due to Permittee/Owner/Operator's assertion or belief that the tank's contents comply with 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). Whenever the type of organic liquid in the tank is changed, the Permittee/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 Permittee/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 Permittee/Owner/Operator may use Table 1 to determine the material's true vapor pressure, rather than Lab Method 28.

VI. Permit Conditions

If the results are above 25.8 mm Hg (0.5 psia), Permittee/Owner/Operator shall report non-compliance in accordance with Standard Condition I.F and shall submit a complete permit application to the District to obtain a new Permit to Operate for the tank not more than 180 days from discovery that the true vapor pressure of the material in the tank is greater than 25.8 mm Hg (0.5 psia). This monitoring requirement shall take effect on April 1, 2004. (basis: Regulation 8-5, Regulation 2-1-403, Regulation 2-6-503)

12.1) Deleted (basis: Initial testing/data collection completed).

12A) When laboratory testing is conducted to determine the true vapor pressure of the material stored in a tank subject to condition 19528 part 12, in a District-approved log, Permittee/Owner/Operator shall record the results of the testing, the laboratory method used, along with the identity of tank by District assigned source number where the material was sampled/stored. Permittee shall retain the log for not less than five years from the date of the recording in the log. Permittee/Owner/Operator shall ensure that the log is made available to District staff upon request. (basis: Regulation 8-5, Regulation 2-1-403, Regulation 2-6-503)

13.) Not Applicable to Facility E1200.

13A.) Not Applicable to Facility E1200.

14.) Not Applicable to Facility E1200.

14a. Not Applicable to Facility E1200.

15.) Not Applicable to Facility E1200.

16. Deleted. (Moved to Title V Standard Condition I.J.3.)

17. Not Applicable to Facility E1200.

18. Not Applicable to Facility E1200.

19. Not Applicable to Facility E1200.

20 Not Applicable to Facility E1200.

20A Not Applicable to Facility E1200.

VI. Permit Conditions

Condition 22455 (Only Parts 9 and 12 Applicable for Facility E1200)

Application #12592 (August, 2005)

Modified by Application 17712 (June, 2008)

Amorco Transfer and Metering Project

Fugitive Components

1. Not Applicable to Facility E1200.

2. Not Applicable to Facility E1200.

3. Not Applicable to Facility E1200.

4. Not Applicable to Facility E1200.

5. Not Applicable to Facility E1200.

6. Not Applicable to Facility E1200.

7. Not Applicable to Facility E1200.

S-55 Amorco Wharf Terminal, Crude Oil, Diesel, Gas Oil, Naphtha, Kerosene, Fuel Oils, 70,080,000 bbl/yr
S-19 Tank B-19, external floating roof, 3318K gal, Crude Oil, 70,080,000 bbl/yr limit applies to S-19, S-21, S-30, S-49, and S-50 combined
S-21 Tank B-21, external floating roof, 3276K gal, Crude Oil, Gasoline, 70,080,000 bbl/yr limit applies to S-19, S-21, S-30, S-49, and S-50 combined
S-30 Tank B-30, external floating roof, 3318K gal, Crude Oil, Gasoline, 70,080,000 bbl/yr limit applies to S-19, S-21, S-30, S-49, and S-50 combined
S-49 Tank B-49, external floating roof, 5964K gal, Crude Oil, 70,080,000 bbl/yr limit applies to S-19, S-21, S-30, S-49, and S-50 combined
S-50 Tank B-50, external floating roof, 5922K gas, Crude Oil, 70,080,000 bbl/yr limit applies to S-19, S-21, S-30, S-49, and S-50 combined

8. Not Applicable to Facility E1200.

9. The owner/operator of S-19, S-21, S-30, S-49, and S-50 Tanks shall not exceed a combined throughput of 70,080,000 barrels of crude oil per any consecutive 12 month period. (basis: cumulative increase, offsets, toxic risk screen)

VI. Permit Conditions

10. Not Applicable to Facility E1200.

11. Not Applicable to Facility E1200.

12. The owner/operator shall maintain records, in a District approved log, for
a. The date(s) and times at which the tank vessel arrived and departed from the marine terminal.
b. The type and amount of organic liquid cargo unloaded.
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: cumulative increase, recordkeeping, Regulation 1-441)

Condition 23811

Application 14917, September 2006.

Modified by Application 16495, November 2007.

Modified by Application 19330, February 2009.

Plant 21200 (E1200) Emergency Diesel Engines S-56

1. Operating for reliability-related activities is limited to 50 hours per year per engine. [Basis: "Stationary Diesel Engine ATCM", CA Code of Regulations, Title 17, Section 93115.6(b)(3)(A)(2)(b)]

2. The owner or operator shall operate each emergency standby engine only for the following purposes: to mitigate emergency conditions, for emission testing to demonstrate compliance with a District, state or Federal emission limit, or for reliability-related activities (maintenance and other testing, but excluding emission testing). Operating hours while mitigating emergency conditions or while emission testing to show compliance with District, state or Federal emission limits is not limited. [Basis: Regulation 9-8-330, "Stationary Diesel Engine ATCM", CA Code of Regulations, Title 17, Section 93115.6(b)(3)(A)(2)(b)]

3. The owner/operator shall operate each emergency standby engine only when a non-resettable totalizing meter (with a minimum display capability of 9,999 hours) that measures the hours of operation for the engine is installed, operated and properly maintained. [Basis: Regulation 9-8-530, "Stationary Diesel Engine ATCM", CA Code of Regulations, Title 17, Section 93115.10(e)(1)]

VI. Permit Conditions

4. Records: The owner/operator shall maintain the following monthly records in a District-approved log for at least 60 months from the date of entry. Log entries shall be retained on-site, either at a central location or at the engine's location, and made immediately available to the District staff upon request.
   a. Hours of operation for reliability-related activities (maintenance and testing).
   b. Hours of operation for emission testing to show compliance with emission limits.
   c. Hours of operation (emergency).
   d. For each emergency, the nature of the emergency condition.
   e. Fuel usage for each engine(s).
   [Basis: Regulation 9-8-530, 2-6-501, and "Stationary Diesel Engine ATCM", CA Code of Regulations, Title 17, Section 93115.10(g)]

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), quarterly (Q), monthly (M), weekly (W), daily (D), or on an event basis (E). No monitoring (N) has been required if the current applicable rule or regulation does not require monitoring, and the operation is unlikely to deviate from the applicable emission limit based upon the nature of the operation.

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

SECTION A SITEWIDE

Table VII – A
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
Benzene	40 CFR 61.342(e)(2)(i) 63.647(a)	Y		6.0 Mg/yr (6.6 tons/yr) [Facility-wide limit combined with Facility B2758]	40 CFR 61.356(b)(4)	N	Records
Ambient SO2	BAAQMD 9-1-301	Y		Ground level concentrations of 0.5 ppm for 3 min or 0.25 ppm for 60 min or 0.5 ppm for 24 hours	BAAQMD 9-1-501	P/ As required by APCO consistent with BAAQMD 9-1-501	Area Monitoring

VII. Applicable Limits & Compliance Monitoring Requirements

Table VII – A
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
Ambient H2S	BAAQMD 9-2-301	Y		Ground level concentrations of 0.06 ppm for 3 min or 0.03 ppm for 60 min	BAAQMD 9-2-501	P/As required by APCO consistent with Regulation 9-2-501	Area Monitoring
POC	40 CFR 61.343 (a)(1)(i)(A)	Y		Tanks fittings leak ≤ 500 ppm	40 CFR 61.343 (a)(1)(i)(A)	P/A	Method 21 Inspection
POC	40 CFR 61.343 (a)(1)(i)(B)	Y		Tanks openings closed and properly gasketed	40 CFR 61.343(c)	P/Q	Visual Inspection
POC	40 CFR 61.343(d)	Y		Tank broken seals & gaskets repaired within 45 days	40 CFR 61.356(g)	P/Q	Reports
POC	40 CFR 61.345(a)(1)(i)	Y		Container openings leak ≤ 500 ppm	40 CFR 61.345(a)(1)(i)	P/A	Method 21 Inspection
POC	40 CFR 61.345(b)	Y		Containers closed & properly gasketed	40 CFR 61.345(b)	P/Q	Visual Inspection
POC	40 CFR 61.345(c)	Y		Container broken seals & gaskets repaired within 15 days	40 CFR 61.345(g)	P/Q	Reports
SO2	BAAQMD 9-1-304	Y		Sulfur content ≤ 0.5% (liquid fuels) where burning such fuel would produce emissions of 300 ppmvd SO2	BAAQMD 9-1-602	N	BAAQMD MOP Method 10
PM	BAAQMD 8-40-304	Y		Exposed surface area ≤ 6,000 square feet (Active storage pile)	None	N	N/A
PM	BAAQMD 8-40-305	Y		Cover contaminated soil with heavy duty plastic sheeting when inactive > one hour	None	N	N/A

VII. Applicable Limits & Compliance Monitoring Requirements

Table VII – A
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
VOC	BAAQMD 8-5-328.1	N		< 10,000 ppm organic concentration (Degassing)	BAAQMD 8-5-328.1 8-5-605.2	P/E	Method 21 Inspection At least four consecutive measurements performed at intervals no shorter than 15 minutes each.
VOC	SIP 8-5-328.1	Y		< 10,000 ppm organic concentration (Degassing)	BAAQMD 8-5-328.1.2 8-5-605	P/E	Method 21 Inspection
VOC	BAAQMD 8-5-328.1	N		90% abatement efficiency (tank degassing)	BAAQMD 8-5-502.2 8-5-603	P/ Within 12 months prior to abatement use or during operation	Source Test
VOC	SIP 8-5-328.1.2	N		90% abatement efficiency (tank degassing)	SIP 8-5-502 8-5-603.2	P/ A	Source Test
VOC	BAAQMD 8-5-331	N		90% abatement efficiency (tank cleaning)	BAAQMD 8-5-502.2 8-5-603	P/A	Source Test
VOC	BAAQMD 8-5-331	N		90% abatement efficiency (tank cleaning)	BAAQMD 8-5-502.2 8-5-603	P/ A	Source Test
VOC	BAAQMD 8-5-332.1	N		No liquid leakage [Sludge containers]	None	N	N/A
VOC	BAAQMD 8-5-332.2	N		Gaps <=1.3 cm (1/2 inch) [Sludge containers]	None	N	N/A

VII. Applicable Limits & Compliance Monitoring Requirements

Table VII – A
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
VOC	BAAQMD 8-40-306.4	Y		Within 45 days of excavation or 90 days of < 500 ppmw, cover with ≥ 6" uncontaminated soil or remove all contaminated soil from site or initiate treatment	BAAQMD 8-40-601.3 (≤ 250 cubic yds) 8-40-601.4 (> 250 cubic yds)	P/E	Sample every 50 cubic yds excavated (≤ 250 cubic yds) Sample every 100 cubic yds excavated (> 250 cubic yds)
VOC	BAAQMD 8-40-306.6	Y		During periods of inactivity > 12 hours, Backfilled contaminated soil covered with ≥ 6" un contaminated soil or continuous heavy duty plastic sheeting	None	N	N/A
VOC	40 CFR 63.120(b)(2) 63.120(b)(3) 63.120(b)(4)	Y		Gap width <= 3.81 cm Total gap surface area <= 212 cm2 per meter of tank diameter	40 CFR 63.120(b)(1)(i) 63.120(b)(1)(iv)	P/ Within 90 days of refilling after 1 year OOS	EFR Primary seal gap measurements
VOC	40 CFR 63.120(b)(2) 63.120(b)(3) 63.120(b)(4)	Y		Gap width <= 1.27 cm Total gap surface area <= 21.2 cm2 per meter of tank diameter	40 CFR 63.120(b)(1)(ii) 63.120(b)(1)(iii)	P/ Within 90 days of refilling after 1 year OOS	EFR Secondary seal gap measurements
VOC	BAAQMD Condition 19528 Part 12	Y		Tank TVP <= 0.5 psia [8-5-117 exemption]	BAAQMD Condition 19528 Part 12	P/E on change of material stored	Reference table or lab analysis
40 CFR 63 Subpart GGGGG							
Exempt-ion	40 CFR 63.7884(b)	Y		Complete site remediation within 30 consecutive days (40 CFR Subpart GGGGG Exemption)	40 CFR 63.7884(b)(3)	N	Records

VII. Applicable Limits & Compliance Monitoring Requirements

Table VII – A
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
HAP	40 CFR 63.7886(b)(1)(i)	Y		For Tanks: Comply with 63.7895-7898 (Option 1)	None	N	N/A
HAP	40 CFR 63.7886(b)(1)(ii)	Y		For Containers: Comply with 63.7900-7903 (Option 1)	None	N	N/A
HAP	40 CFR 63.7886(b)(1)(v)	Y		For Transfer system: Comply with 63.7915-7918 (Option 1)	None	N	N/A
VOHAP	40 CFR 63.7886(b)(2)	Y		500 ppmw (40 CFR 63 Subpart GGGGG Option 2)	None	N	N/A
HAP	40 CFR 63.7886(b)(3)	Y		If subject to 40 CFR 61 or 40 CFR 63 Subpart, comply with the other subpart unless unit is exempt (Option 3)	None	N	N/A
HAP	40 CFR 63.7886(b)(4)(i) 63.684(b)(4)	Y		≥ 95% HAP reduction efficiency or HAP removed by biological degradation ≥ required mass removal (Option 4)	40 CFR 63.7886(b)(4)(ii) 63.684(e)(4)	P/ Dependent on written procedures & operating plan	Dependent on written procedures & operating plan
40 CFR 63 Subpart GGGGG Containers							
Gaps	40 CFR 63.7902(a) [63.926(a)(1) reference]	Y		No visible cracks, holes, gaps, or other open spaces (Regulated material already in container)	40 CFR 63.926(a)(1)	P/ Before or on date of container acceptance	Visual Inspection
Gaps	40 CFR 63.7902(a) [63.926(a)(2) reference]	Y		No visible cracks, holes, gaps, or other open spaces (Regulated containers unopened > 1 year)	40 CFR63.7903(c)(2) 63.7903(d)(3) 63.926(a)(2)	P/A	Visual Inspection

VII. Applicable Limits & Compliance Monitoring Requirements

Table VII – A
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
Gaps	40 CFR 63.7902(a) 63.7903(c)(3) 63.7903(d)(4) [63.926(a)(3) reference]	Y		Transfer regulated material from defective container within 5 calendar days of detection of defect; or Make 1st attempt at repair within 24 hours & repair defect within 5 calendar days of detection of defect	None	N	N/A
40 CFR 63 Subpart GGGGG Transfer Systems							
Joints	40 CFR 63.7915(c)(2) 63.7918(d)(1)	Y		All joints or pipe section seams must be permanently or semi-permanently sealed	None	N	N/A
Leaks	40 CFR 63.7917(c) 63.7917(e)(1) 63.7917(e)(2) 63.7918(d)(2)	Y		No leaks or defects Make 1st attempt at repair within 5 calendar days & repair within 45 calendars days unless no alternative available transfer system	40 CFR 63.7917(c)	P/A	Visual Inspection

VII. Applicable Limits & Compliance Monitoring Requirements

SECTION B COMBUSTION SOURCES

Table VII – B
Applicable Limits and Compliance Monitoring Requirements
S56 ON-SHORE FIRE-WATER PUMP DIESEL ENGINE,

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Visible Emissions	BAAQMD 6-1-303.1	N		≥ Ringelmann No. 2 for no more than 3 minutes/hour	None	N	N/A
Visible Emissions	SIP 6-303.1	Y		≥ Ringelmann No. 2 for no more than 3 minutes/hour	None	N	None
Visible Particles	BAAQMD 6-1-305	N		Prohibition of nuisance	None	N	NA
Visible Particles	SIP 6-305	Y		Prohibition of nuisance	None	N	NA
FP	BAAQMD 6-1-310	N		0.15 grain/dscf	None	N	NA
FP	SIP 6-310	Y		0.15 grain/dscf	None	N	NA
Diesel Particulate Matter	CCR, Title 17, Section 93115.6(a)(3)(A)(1)(a)	N		<= 0.15 g/bhp-hr for 50 hour/year operating limit	None	N	NA
Hours of operation	BAAQMD Condition 23811, Part 1	Y		< 50 hours/year for reliability-related activities	BAAQMD Condition 23811, Part 3 BAAQMD 9-8-530	C	Totalizing meter

VII. Applicable Limits & Compliance Monitoring Requirements

Table VII – B
Applicable Limits and Compliance Monitoring Requirements
S56 ON-SHORE FIRE-WATER PUMP DIESEL ENGINE,

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Hours of operation	BAAQMD 9-8-330.3	N		< 50 hours/year for reliability-related activities	BAAQMD 9-8-530 BAAQMD Condition 23811, Part 3	C	Totalizing meter
					CCR, Title 17, Section 93115.10(e)(1) BAAQMD Condition 23811, Part 3	C	Totalizing meter
					CCR, Title 17, Section 93115.10(g)	M	Records
SO2	BAAQMD 9-1-304	Y		0.5% by weight sulfur content in liquid fuel or solid fuel creating emissions > 300 ppm	None	N	N/A

VII. Applicable Limits & Compliance Monitoring Requirements

SECTION C TANKS

Table VII – C
Applicable Limits and Compliance Monitoring Requirements
S19, S21, S30 (Riveted and Welded TK-B-19, TK-B-21, TK-B-30)
S49, S50 (Welded TK-B-49, TK-B-50)
External Floating Roof Tanks, MACT Group 1

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
TVP	BAAQMD 8-5-117 8-5-301 SIP 8-5-117 8-5-301	Y		True vapor pressure	BAAQMD 8-5-501.1	P/E initially and upon change of service	Look up table or sample analysis; Records
VOC	BAAQMD 8-5-304.6.1	N		EFR leaking pontoons gas tight requirements	BAAQMD 8-5-412	P/Q until repaired	Method 21 portable hydrocarbon detector
VOC	BAAQMD 8-5-320 SIP 8-5-320	Y		EFR floating roof fitting closure standards; includes gasketed covers	BAAQMD 8-5-401.2 SIP 8-5-401.2	P/SA	Measurement and visual inspection
VOC	BAAQMD 8-5-321.3.2 SIP 8-5-321	Y		Welded Tank EFR primary rim-seal standards; includes gap criteria	BAAQMD 8-5-401.1 SIP 8-5-401.1	P/SA and every time a seal is replaced	Seal inspection
VOC S19, S21& S30 Only	BAAQMD 8-5-321.3.3 SIP 8-5-321	Y		Riveted Tank EFR primary rim-seal standards; includes gap criteria	BAAQMD 8-5-401.1 SIP 8-5-401.1	P/SA and every time a seal is replaced	Seal inspection
VOC	BAAQMD 8-5-322 SIP 8-5-322	Y		EFR secondary rim-seal standards; includes gap criteria	BAAQMD 8-5-401.1 SIP 8-5-401.1	P/SA and every time a seal is replaced	Seal inspection
VOC	BAAQMD 8-5-320 8-5-321 8-5-322 SIP 8-5-320 8-5-321	N		EFR floating roof fitting, primary and secondary seal standards	BAAQMD 8-5-401.1 8-5-401.2 8-5-411.3 (optional)	P/Q (optional)	Seal and fitting inspection; (enhanced monitoring)

VII. Applicable Limits & Compliance Monitoring Requirements

Table VII – C
Applicable Limits and Compliance Monitoring Requirements
S19, S21, S30 (Riveted and Welded TK-B-19, TK-B-21, TK-B-30)
S49, S50 (Welded TK-B-49, TK-B-50)
External Floating Roof Tanks, MACT Group 1

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 8-5-328.1	N		Tanks > 75 m^3 residual organic concentration of < 10,000 ppm as methane after degassing	BAAQMD 8-5-328.1	P/each time emptied & degassed; 4 consecutive measure-ments at 15 minute intervals	Method 21 portable hydrocarbon detector
VOC	SIP 8-5-328.1.2	Y		Tanks > 75 m^3 concentration of < 10,000 ppm as methane after degassing	SIP 8-5-503	P/each time emptied & degassed	Portable hydrocarbon detector
VOC	SIP 8-5-328.1	Y		Tanks > 75 m^3 tank degassing control by liquid balancing in which the resulting organic liquid has a TVP is less than 0.5 psia	BAAQMD 8-5-501	P/E	Records
VOC	BAAQMD 8-5-328.1 SIP 8-5-328.1	Y		Tank degassing control device standards; includes 90% efficiency requirement	BAAQMD 8-5-502 and 8-5-603.2 SIP 8-5-502	P/A	Source test
VOC	BAAQMD 8-5-404 SIP 8-5-404 SIP 8-5-405	Y		Certification reports on tank inspections and source tests	BAAQMD 8-5-404 SIP 8-5-404 SIP 8-5-405	P/ after each tank inspection and source test	Certification report
VOC	BAAQMD 8-5-501.2	Y		Records of tank seal replacement	BAAQMD 8-5-501.2	P/ for each tank seal replacement	Records (retain 10 years)
VOC	BAAQMD 8-5-604	Y		Determination of applicability	BAAQMD 8-5-604	P/E	Look-up table or sample analysis
HAP	63.641	Y		Retain weight percent total organic HAP in stored liquid for Group 2 determination.	63.655(i)(1) (iv)	P/E	Records

VII. Applicable Limits & Compliance Monitoring Requirements

Table VII – C
Applicable Limits and Compliance Monitoring Requirements
S19, S21, S30 (Riveted and Welded TK-B-19, TK-B-21, TK-B-30)
S49, S50 (Welded TK-B-49, TK-B-50)
External Floating Roof Tanks, MACT Group 1

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) 63.120(b)(5)	Y		EFR primary rim-seal standards; includes gap criteria	63.646(a) 63.120(b)(1) 63.120(b)(2)	P/ at 5 year intervals	Measurement and visual inspection
HAP	63.646(a) 63.120(b)(4) 63.120(b)(6)	Y		EFR secondary rim-seal standards; includes gap criteria	63.646(a) 63.120(b)(1) 63.120(b)(2)	P/A	Measurement and visual inspection
HAP	63.646(f)	Y		EFR deck fitting closure standards	63.646(a) 63.646(e) 63.120(b)(10)	P/ each time emptied & degassed	Visual inspection
VOC	63.655(i)	Y		Recordkeeping	63.655(i)(1) and 63.123(a)	periodic and upon change of service	Records
Through-put	BAAQMD Condition 22455 Part 9	Y		70,080,000 bbls in any consecutive 12 month period (combined throughput for S19, S21, S30, S49, S50	BAAQMD Condition 22455 Part 12	P/M	Records

VII. Applicable Limits & Compliance Monitoring Requirements

SECTION D MISCELLANEOUS ORGANIC SOURCES (INCLUDING FUGITIVE COMPONENTS)

Table VII – D
Applicable Limits and Compliance Monitoring Requirements
EQUIPMENT LEAK COMPONENTS, EXCLUDING WASTEWATER COMPONENTS

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, Rule 18 and SIP Regulation 8, Rule 18							
POC	BAAQMD 8-18-300	Y		Valves ≤ 100 ppm, Pumps ≤ 500 ppm, Compressors ≤ 500 ppm, Connectors ≤ 100 ppm, PRDs ≤ 500 ppm General Equipment ≤ 100 ppm	BAAQMD 8-18-401.5	P/E (24 hrs after repair/mini-mization)	Method 21 Inspection
POC	BAAQMD. 8-18-301	Y		General equipment leak ≤ 100 ppm	None	P/E	Method 21 Inspection
POC	BAAQMD. 8-18-302.1 8-18-302.2	N		Valve leak ≤ 100 ppm	BAAQMD. 8-18-401.2	P/Q	Method 21 Inspection
POC	BAAQMD 8-18-302.1 8-18-302.2	N		Inaccessible Valve leak ≤ 100 ppm or minimize in 24 hours, repair in 7 days	BAAQMD 8-18-401.3	P/A	Method 21 Inspection
VOC	BAAQMD 8-18-302.3 8-18-306.2 8-18-306.3 8-18-306.4	N		Non-repairable valves	BAAQMD 8-18-401.9	P/Q	Method 21 inspection
VOC	BAAQMD 8-18-302.3 8-18-306.4	N		Mass emission rate </= 15 lb/day for valve with major leak (>/= 10,000 ppm)	BAAQMD 8-18-306.4 8-18-604	P/E within 45 days of leak discovery	Mass Emission Sampling
VOC	BAAQMD 8-18-302.3 8-18-306.4	N		Mass emission rate </= 15 lb/day for non-repairable valve with major leak (>/= 10,000 ppm)	BAAQMD 8-18-401.10 8-18-604	P/A	Mass Emission Sampling

VII. Applicable Limits & Compliance Monitoring Requirements

Table VII – D
Applicable Limits and Compliance Monitoring Requirements
EQUIPMENT LEAK COMPONENTS, EXCLUDING WASTEWATER COMPONENTS

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	BAAQMD. 8-18-303.1 8-18-303.2	N		Pump and compressor leak ≤ 500 ppm	BAAQMD. 8-18-401.2	P/Q	Method 21 Inspection
POC	BAAQMD 8-18-304.1 8-18-304.2	N		Connection leak ≤ 100 ppm	BAAQMD 8-18-401.6	P/E (Annually or EPA-approved connection inspection program)	Method 21 Inspection
POC	BAAQMD. 8-18-304.1 8-18-304.2	N		Connection leak ≤ 100 ppm	BAAQMD. 8-18-401.1	P/E (90 days after turnaround startup)	Method 21 Inspection
POC	BAAQMD. 8-18-305	Y		Pressure relief valve leak ≤ 500 ppm	BAAQMD. 8-18-401.2 8-18-401.7	P/Q	Method 21 Inspection
POC	BAAQMD 8-18-305	Y		Inaccessible pressure relief valve leak ≤ 500 ppm	BAAQMD 8-18-401.3	P/A	Method 21 Inspection
POC	BAAQMD 8-18-305	Y		Pressure relief valve leak ≤ 500 ppm	BAAQMD 8-18-401.8	P/E (5 working days after release)	Method 21 Inspection
POC	BAAQMD. 8-18-306.1	N		Valve, connector, pressure relief, pump or compressor must be repaired within 5 years or at the next scheduled turnaround	BAAQMD 8-18-502.4	P/Q	Report

VII. Applicable Limits & Compliance Monitoring Requirements

Table VII – D
Applicable Limits and Compliance Monitoring Requirements
EQUIPMENT LEAK COMPONENTS, EXCLUDING WASTEWATER COMPONENTS

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	BAAQMD 8-18-302.3 8-18-303.3 8-18-304.3 8-18-306.2 8-18-306.3 8-18-306.4	N		Maximum percentage awaiting repair **Components** / **%** Valves (including with major leaks) and connectors per 8-18-306.3 — 0.30 Valves with major leaks per 8-18-306.4 — 0.025 Pressure Reliefs — 1.0 Pumps and Compressors — 1.0	BAAQMD 8-18-502.4 BAAQMD 8-18-306.1	P/Q P/E	Report Repair/ replace within 5 years or at next scheduled turnaround, whichever is first
POC	BAAQMD . 8-18-307	Y		Liquid Leak more than 3 drops/min, unless minimized with 24 hrs & repaired within 7 days	None	P/E	Records
POC	BAAQMD 8-18-403	Y		No evidence of leak in Pumps and Compressors	BAAQMD 8-18-403	P/D	Visual Inspection
POC	BAAQMD 8-18-403	Y		Pumps and Compressors with Evidence of Leak on visual inspection	BAAQMD 8-18-403	P/E	Method 21 Inspection
POC	SIP 8-18-302	Y		Valve leak $\leq$ 100 ppm or minimize in 24 hours, repair in 7 days	SIP 8-18-401.2	P/Q	Method 21 Inspection
POC	SIP 8-18-302	Y		Inaccessible Valve leak $\leq$ 100 ppm or minimize in 24 hours, repair in 7 days	SIP 8-18-401.3	P/A	Method 21 Inspection
POC	SIP 8-18-303	Y		Pump and compressor leak $\leq$ 500 ppm or minimize in 24 hours, repair in 7 days	SIP 8-18-401.2	P/Q	Method 21 Inspection

VII. Applicable Limits & Compliance Monitoring Requirements

Table VII – D
Applicable Limits and Compliance Monitoring Requirements
EQUIPMENT LEAK COMPONENTS, EXCLUDING WASTEWATER COMPONENTS

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	SIP 8-18-304.2	Y		Connection leak ≤ 100 ppm or minimize in 24 hours, repair in 7 days	SIP 8-18-401.6	P/E (Annually or EPA-approved connection inspection program)	Method 21 Inspection
POC	SIP 8-18-304.2	Y		Connection leak ≤ 100 ppm or minimize in 24 hours, repair in 7 days	SIP 8-18-401.1	P/E (90 days after turnaround startup)	Method 21 Inspection
POC	SIP 8-18-306.1	Y		Valve, pressure relief, pump or compressor must be repaired within 5 years or at the next scheduled turnaround	SIP 8-18-502.4	P/Q	Report
POC	SIP 8-18-306.2	Y		Awaiting repair Valves ≤ 0.5% Pressure Relief ≤ 1% Pumps and Compressors ≤ 1%	SIP 8-18-502.4	P/Q	Report
40 CFR 60; Subpart VV – equipment leaks subject to 40 CFR 63 Subpart CC, BAAQMD 10-52							
VOC	40 CFR 60.482-2(b)(1)	Y		LL pump leak ≤ 10,000 ppm	40 CFR 60.482-2(a)(1)	P/M	Method 21 Inspection
VOC	40 CFR 60.482-2(a)(2) 60.482-2(d)(4)(i)	Y		LL Pump, no leak indicated by dripping liquid	40 CFR 60.482-2(a)(2)	P/W	Visual Inspection
VOC	40 CFR 60.482-2(b)(2) 60.482-2(b)(2)(i) 60.482-2(d)(4)(ii) 60.482-2(d)(4)(ii)(A)	Y		LL pump leak ≤ 10,000 ppm after discovery of dripping liquid in weekly visual inspection	40 CFR 60.482-2(b)(2)(i) 60.482(d)(4)(ii)(A)	P/E (within 5 days of discovery of liquid leak)	Method 21 Inspection

VII. Applicable Limits & Compliance Monitoring Requirements

Table VII – D
Applicable Limits and Compliance Monitoring Requirements
EQUIPMENT LEAK COMPONENTS, EXCLUDING WASTEWATER COMPONENTS

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 60.482-2(b)(2)	Y		No limit - liquid discovered dripping from LL pump in weekly inspection	40 CFR 60.482-2(b)(2)(ii)	P/E (within 15 days of detection)	Designate event as leak. Repair and remove evidence of leak
VOC	40 CFR 60.482-2(b)(2) 60.482-2(d)(4)(ii)	Y		No limit - liquid discovered dripping from LL pump equipped with dual mechanical seal and barrier fluid system in weekly inspection	40 CFR 60.482-2 (d)(4)(ii)(B)	P/E	Designate event as leak
VOC	40 CFR 60.482-2(d)(5)(ii) 60.482-2(d)(5)(iii)	Y		Pump sensor shall detect failure of seal system, barrier fluid system, or both based on user-determined criterion	40 CFR 60.482-2(d)(5)(i)	C or P/D	Sensor with audible alarm or checked daily
VOC	40 CFR 60.482-2(e)	Y		Pump designated for "No detectable emissions" < 500 ppm	40 CFR 60.482-2(e)(3)	P/A	Method 21 Inspection
VOC	40 CFR 60.482-3(d) 60.482-3(e)(2) 60.482-3(f)	Y		Compressor sensor shall detect failure of seal system, barrier fluid system, or both based on user-determined criterion	40 CFR 60.482-3(e)(1),	C or P/D	Sensor with audible alarm or checked daily.
VOC	40 CFR 60.482-3(i)	Y		Compressor designated for "No detectable emissions" leak < 500 ppm	40 CFR 60.482-3(i)(2)	P/A	Method 21 Inspection
VOC	40 CFR 60.482-4(a) 60.482-4(b)(1)	Y		Gas/vapor PRD leak ≤500 ppm	40 CFR 60.482-4(b)(2)	P/E within 5 days after release	Method 21 Inspection
VOC	40 CFR 60.482-7(b)	Y		Valve leak <= 10,000 ppm	40 CFR 60.482-7(a)(1) 60.482-7(c)	P/M or Q	Method 21 Inspection
VOC	40 CFR 60.482-7(f)	Y		Valve designated "No detectable emissions" ≤ 500 ppm	40 CFR 60.482-7(f)(3)	P/A	Measure for leaks

VII. Applicable Limits & Compliance Monitoring Requirements

Table VII – D
Applicable Limits and Compliance Monitoring Requirements
EQUIPMENT LEAK COMPONENTS, EXCLUDING WASTEWATER COMPONENTS

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 60.482-7(h)	Y		Valve designated "Difficult to monitor"(up to 3% of total valves)" leak < 500 ppm	40 CFR 60.482-7(h)(3)	P/A	Method 21 Inspection
VOC	40 CFR 60.482-8(a) 60.482-8(b)	Y		Pumps and valves in heavy liquid service, Pressure Relief devices (light or heavy liquid), Flanges, Connectors <= 10,000 ppm	40 CFR 60.482-8(a)(1) 60.486-8(c)	P/E Within 5 calendar days of evidence of AVO leak	Method 21 Inspection
VOC	40 CFR 60.482-10(b)	Y		Vapor recovery systems ≥ 95% or exit concentration <=20 ppmv	40 CFR 60.482-10(e)	N	N/A
VOC	60.482-10(c)	Y		Enclosed combustion devices ≥ 95% destruction efficiency or ≥ 0.75 seconds and ≥ 816°C	40 CFR 60.482-10(e)	N	N/A
VOC	40 CFR 60.482-10(g)	Y		Hard piped closed vent systems <500 ppmv	40 CFR 60.482-10(f)(1)(i)	P/I	Method 21 Inspection
VOC	40 CFR 60.482-10(g)	Y		Hard piped closed vent systems – no AVO leaks	40 CFR 60.482-10(f)(1)(ii)	P/A	Visual inspection
VOC	40 CFR 60.482-10(k)	Y		Closed vent system portions designated as "Difficult to inspect" (up to 3% of total closed vent system equipment)	40 CFR 60.482-10(k)(3)	P/ every 5 years	Visual inspection
VOC	40 CFR 60.483-2 BAAQMD 8-18-404.1	Y		Individual valve that measures <100 ppm for 5 consecutive quarters may be monitored annually, if in a process unit with 5 consecutive quarters <2% valves leaking ≥10,000 ppm.	40 CFR 60.483-2 BAAQMD 8-18-404.1	P/Q P/A	Method 21 Inspection

VII. Applicable Limits & Compliance Monitoring Requirements

Table VII – D
Applicable Limits and Compliance Monitoring Requirements
EQUIPMENT LEAK COMPONENTS, EXCLUDING WASTEWATER COMPONENTS

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
40 CFR 61; Subpart FF –Benzene Waste Operations NESHAP							
POC	40 CFR 61.343(a)(1)(i)(A)	Y		Tanks fittings leak ≤ 500 ppm	40 CFR 61.343(a)(1)(i)(A)	P/A	Method 21 Inspection
POC	40 CFR 63.345(a)(1)(i)	Y		Container fittings leak ≤ to 500 ppm	40 CFR 63.345(a)(1)(i)	P/A	Method 21 Inspection
POC	40 CFR 61.347(a)(1)(i)(A)	Y		O/W Separator fittings leak ≤ 500 ppm	40 CFR 61.347(a)(1)(i)(A)	P/A	Method 21 Inspection
POC	40 CFR 61.349 (a)(1)(i)	Y		Closed-vent system fittings <500 ppm above background	40 CFR 61.349 (a)(1)(i)	P/A	Method 21 Inspection

VIII. TEST METHODS

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

Table VIII
Test Methods

Applicable Requirement	Description of Requirement	Acceptable Test Methods
BAAQMD 6-1-301	Ringelmann No. 1 Limitation	Manual of Procedures, Volume I, Evaluation of Visible Emissions
BAAQMD 6-1-310	Particulate Weight Limitation	Manual of Procedures, Volume IV, ST-15, Particulates Sampling or EPA Method 5, Determination of Particulate Emissions from Stationary Sources
SIP 6-301	Ringelmann No. 1 Limitation	Manual of Procedures, Volume I, Evaluation of Visible Emissions
SIP 6-310	Particulate Weight Limitation	Manual of Procedures, Volume IV, ST-15, Particulates Sampling or EPA Method 5, Determination of Particulate Emissions from Stationary Sources
BAAQMD 8-5-301	True Vapor Pressure	Manual of Procedures, Volume III, Lab Method 28, Determination of Vapor Pressure of Organic Liquids from Storage Tanks, if organic compound is not listed in Table I
SIP 8-5-301	True Vapor Pressure	Manual of Procedures, Volume III, Lab Method 28, Determination of Vapor Pressure of Organic Liquids from Storage Tanks, if organic compound is not listed in Table I
BAAQMD 8-5-206 8-5-304.6 8-5-412 8-5-605	Gas Tight Pontoons on EFRs	EPA Reference Method 21, Determination of Volatile Organic Compounds Leaks
BAAQMD 8-5-328.1 8-5-603	Abatement Efficiency – Tank Degassing Equipment	Manual of Procedures, Volume IV, ST-7, Non-Methane Organic Carbon Sampling
BAAQMD 8-5-331.1 8-5-606	Tank cleaning agents attributes	Initial boiling point: ASTM D-1078-93 True vapor pressure: Manual of Procedures, Volume III, Lab Method 28, VOC Content: Manual of Procedures, Volume III, Lab Method 31
BAAQMD 8-5-602	True Vapor Pressure	Manual of Procedures, Volume III, Lab Method 28, Determination of Vapor Pressure of Organic Liquids from Storage Tanks
BAAQMD 8-5-603	Determination of Emissions	Manual of Procedures, Volume IV, ST-7 Organic compounds

VIII. Test Methods

Table VIII
Test Methods

Applicable Requirement	Description of Requirement	Acceptable Test Methods
BAAQMD 8-5-605	Measurement of Leak Concentrations and Residual Concentrations	EPA Reference Method 21, Determination of Volatile Organic Compounds Leaks
8-8-504	Portable Hydrocarbon Detector	A gas detector that meets the specifications and performance criteria of and has been calibrated in accordance with EPA Reference Method 21 (60, Appendix A)
8-8-603	Inspection Procedures	For the purposes of 8-8-301, 302, 303, and 304, leaks shall be measured using a portable gas detector as prescribed in EPA Reference Method 21 (60, Appendix A)
BAAQMD Regulation 8-18-301, 8-18-302, 8-18-303, 8-18-304, 8-18-305	Leak inspection procedures	EPA reference method 21 (60, Appendix A), Determination of Volatile Organic Compound Leaks
BAAQMD Regulation 8-18-306	Determination of mass emissions	EPA Protocol for equipment leak emission estimates, Chapter 4, Mass Emission Sampling, (EPAA-453/R-95-017) November 1995
9-1-301	Ground Level Monitoring	Manual of Procedures, Volume VI, Section 1, Area Monitoring
9-1-302	General Emission Limitation	Manual of Procedures, Volume IV, ST-19A, Sulfur Dioxide, Continuous Sampling, or ST-19B, Total Sulfur Oxides Integrated Sample
9-1-304	Fuel Burning (Liquid and Solid Fuels)	Manual of Procedures, Volume III, Method 10, Determination of Sulfur in Fuel Oils.
9-2-301	Ground Level Monitoring	Manual of Procedures, Volume VI, Section 1, Area Monitoring
9-1-501, 9-1-502, 9-2-501	Continuous Monitoring	Manual of Procedures, Volume V, Continuous Monitoring
NSPS Part 60 Subpart VV	**Standards of Performance for Equipment Leaks (Fugitive Emission Sources) (06/02/2008)**	
Subpart VV 40 CFR 60.482-2(b)(1), 60.482-7(b), 60.482-8(b), 60.482-10 (g),	Leak inspection procedures	60 Subpart VV, 60.485(b): EPA reference method 21 (60, Appendix A), Determination of Volatile Organic Compound Leaks

VIII. Test Methods

Table VIII
Test Methods

Applicable Requirement	Description of Requirement	Acceptable Test Methods
Subpart VV 40 CFR 60.482-2(b)(2), 60.482-8(a),	Visual inspection	60 Subpart VV, 60.485(b)
Subpart VV 40 CFR 60.482-2(e), 60.482-4(a), 60.482-4(b), 60.482-7(f),	Leak inspection procedures	60 Subpart VV, 60.485(c): EPA reference method 21 (60, Appendix A), Determination of Volatile Organic Compound Leaks
Subpart VV 40 CFR 60.483	Leak inspection procedures	60 Subpart VV, 60.485(b): EPA reference method 21 (60, Appendix A), Determination of Volatile Organic Compound Leaks
NSPS Title 40 Part 60 Appendix A	Inspection Procedures	EPA Reference Method 21
NESHAP Part 61 Subpart FF	**National Emission Standard for Benzene Waste Operations (12/4/2003)**	
Subpart FF 40 CFR 61.355(h):	Leak inspection procedures	61 Subpart FF, 61.355(h): EPA reference method 21 (60, Appendix A), Determination of Volatile Organic Compound Leaks

IX. PERMIT SHIELD

Non-applicable

X. REVISION HISTORY

Facility	Action	Application	Date
B2758/B2759	Initial Major Facility Review Permit Issuance	16484	December 1, 2003
B2758/B2759	Administrative Amendment (no application)	NA	May 27, 2004
B2758/B2759	Reopening Revision 1	9295	December 16, 2004
B2758/B2759	Minor Revision	11265	December 30, 2004
B2758/B2759	Reopening Revision 2	11696	February 1, 2005
B2758/B2759	Reopening Revision 2/3	12431 & 12599	March 9, 2007
B2758/B2759	Significant Revision (Revision 4)	Various	March 20, 2008
B2758/B2759	Permit Renewal 2010/2011	18261	June 28, 2011
E1200	Administrative Amendment -- Transfer of Assets to Tesoro Logistics Operations, LLP and issuance of Initial Major Facility Review Permit for Facility E1200	24376	August 5, 2013

XI. GLOSSARY

ACT
Federal Clean Air Act

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

APCO
Air Pollution Control Officer

API
American Petroleum Institute

ARB
Air Resources Board

BAAQMD
Bay Area Air Quality Management District

BACT
Best Available Control Technology

BARCT
Best Available Retrofit Control Technology

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

Bubble
An emission limit imposed on a group of sources.

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

XI. Glossary

CAPCOA
California Air Pollution Control Officers Association

CEC
California Energy Commission

CEQA
California Environmental Quality Act

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

CFP
Clean Fuels Project

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

CGA
Calibration Gas Audit

CO
Carbon Monoxide

CO2
Carbon Dioxide

Consent Decree
Case No. SA-05-CA-0569-RF; United States of America v. Valero Refining Company – California, et.al. in the United States District Court, Western District of Texas, San Antonio Division, Lodged 6/15/2005, Entered 11/23/2005

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.

XI. Glossary

DWT
Dead Weight Ton

District
The Bay Area Air Quality Management District

DNF
Dissolved Nitrogen Flotation (See DAF)

dscf
Dry Standard Cubic Feet

dscm
Dry Standard Cubic Meter

E 6, E 9, E 12
Very large or very small number values are commonly expressed in a form called scientific notation, which consists of a decimal part multiplied by 10 raised to some power. For example, 4.53 E 6 equals (4.53) x (10^6) = (4.53) x (10 x 10 x 10 x 10 x 10 x 10) = 4,530,000. Scientific notation is used to express large or small numbers without writing out long strings of zeros.

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

EMP
Environmental Management Plan

EPA
The federal Environmental Protection Agency.

ESP
Electrostatic Precipitator

ETP
Effluent Treatment Plant

Excluded
Not subject to any District Regulations.

FAT
Field Accuracy Test

XI. Glossary

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 Part 51, subpart I (NSR), Part 52.21 (PSD), Part 60 (NSPS), Part 61 (NESHAPs), Part 63 (HAP), and Part 72 (Permits Regulation, Acid Rain), and also including limitations and conditions contained in operating permits issued under an EPA-approved program that has been incorporated into the SIP.

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

FR
Federal Register

FRT
Floating Roof Tank (See EFRT and IFRT)

GDF
Gasoline Dispensing Facility

GLM
Ground Level Monitor

grains
1/7000 of a pound

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

GRU
Gas Recovery Unit

Graphitic
Made of graphite.

XI. Glossary

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 Part 63.

H2S
Hydrogen Sulfide

H2SO4
Sulfuric Acid

HC
Hydrocarbon

Hg
Mercury

HNC
Heavy Neutral Hydrocracker

HNHF
Heavy Neutral Hydrofinisher

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

JHT
Jet Hydrotreater

LFSO
Low sulfur fuel oil

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

XI. Glossary

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.

LNC
Light Neutral Hydrocracker

LNHF
Light Neutral Hydrofinisher

Long ton
2200 pounds

LPG
Liquid Petroleum Gas

Major Facility
A facility with potential emissions of: (1) at least 100 tons per year of any regulated air pollutants, (2) at least 10 tons per year of any single hazardous air pollutant, and/or (3) at least 25 tons per year of any combination of hazardous air pollutants, or such lesser quantity of hazardous air pollutants as determined by the EPA administrator.

MDEA
Methyl Diethanolamine

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

MM
Million

Mo Gas
Motor gasoline

MOP
The District's Manual of Procedures

MOSC
Mobil Oil Sludge Conversion (licensed technology)

MSDS
Material Safety Data Sheet

XI. Glossary

MTBE
methyl tertiary-butyl ether

NA
Not Applicable

NAAQS
National Ambient Air Quality Standards

NESHAPs
National Emission Standards for Hazardous Air Pollutants. See in Parts 61 and 63.

NMHC
Non-methane Hydrocarbons

NMOC
Non-methane Organic Compounds (Same as NMHC)

NOx
Oxides of nitrogen.

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

NSR
New Source Review. A federal program for pre-construction review and permitting of new and modified sources of air pollutants for which the District is classified "non-attainment". Mandated by Title I of the Clean Air Act and implemented by Parts 51 and 52 as well as District Regulation 2, Rule 2. (Note: There are additional NSR requirements mandated by the California Clean Air Act.)

O2
The chemical name for naturally-occurring oxygen gas.

Offset Requirement
A New Source Review requirement to provide federally enforceable emission offsets at a specified ratio for the emissions from a new or modified source and any pre-existing cumulative increase minus any onsite contemporaneous emission reduction credits. Applies to emissions of POC, NOx, PM10, and SO2.

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

XI. Glossary

POC
Precursor Organic Compounds

PM
Total Particulate Matter

PM10
Particulate matter with aerodynamic equivalent diameter of less than or equal to 10 microns

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

RAA
Relative Accuracy Audit

RACT
Reasonably Available Control Technology

RATA
Relative Accuracy Test Audit

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

RFG
Refinery Fuel Gas

RMG
Refinery Make Gas

SCR
A "selective catalytic reduction" unit is an abatement device that reduces NOx 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 NOx compounds to nitrogen gas.

SDA
Solvent deasphalting

XI. Glossary

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

SOCMI
Synthetic Organic Chemical Manufacturing Industry

SO2
Sulfur dioxide

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

SRU
Sulfur Recovery Unit

ST-7
Source Test Method #7: Non-Methane Organic Carbon Sampling

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.

TKC
Taylor Kinetic Cracking

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

XI. Glossary

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

VGO
Vacuum Gas Oil

VOC
Volatile Organic Compounds

VR
Vapor Recovery

WWT
Wastewater Treatment

Units of Measure:

bbl	=	barrel of liquid (42 gallons)
bhp	=	brake-horsepower
BPD	=	barrels per day
BPH	=	barrels per hour
BPY	=	barrels per year
BTU or btu	=	British Thermal Unit
C	=	degrees Celsius
dscf	=	dry standard cubic feet
dscm	=	dry standard cubic meters
F	=	degrees Fahrenheit

XI. Glossary

f^3	=	cubic feet
g	=	grams
gr	=	grains
gal	=	gallon
gpm	=	gallons per minute
hp	=	horsepower
hr	=	hour
lb	=	pound
in	=	inches
k or K	=	thousand
max	=	maximum
m^2	=	square meter
min	=	minute
Mg	=	mega-gram, one thousand grams
µg	=	micro-gram, one millionth of a gram
ml	=	milliliter
MM	=	million
mm	=	millimeter
MMbtu	=	million BTU
mmBtu	=	million BTU
mmbtu	=	million BTU
MMBTU	=	million BTU
mm Hg	=	millimeters of Mercury (pressure)
MW	=	megawatts
ppmv	=	parts per million, by volume
ppmvd	=	parts per million, by volume, dry basis
ppmw	=	parts per million, by weight
psia	=	pounds per square inch, absolute
psig	=	pounds per square inch, gauge
scfm	=	standard cubic feet per minute
TPD	=	tons per day
TPY	=	tons per year
tpy	=	tons per year
yr	=	year

Symbols:

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