Bay Area Air Quality Management District

375 Beale Street, Suite 600
San Francisco, CA 94105
(415) 771-6000

Final

MAJOR FACILITY REVIEW PERMIT

Issued To:

Martinez Terminal Company LLC

Facility #B1956

Facility Addresses:
Facility #B1956
1801 Marina Vista Drive
Martinez, CA 94553

Mailing Address:
1801 Marina Vista Drive
Martinez, CA 94553

Responsible Official
Keith Tront, Fuels & Lubricants Distribution Manager
Martinez Terminal Company LLC
(310) 995-5557

Facility Contact
Gordon Johnson, Manager
Environmental Affairs Department
(925) 313-3705

Type of Facility: **Petroleum Distribution Terminal**
Primary SIC: 5171
Product: Petroleum Products

BAAQMD Engineering Division
Contact: Anne Werth

ISSUED BY THE BAY AREA AIR QUALITY MANAGEMENT DISTRICT

Signed by Pamela J. Leong
Pamela J. Leong, Director of Engineering

August 21, 2020
Date

TABLE OF CONTENTS

I. STANDARD CONDITIONS 3
A. ADMINISTRATIVE REQUIREMENTS 3
B. CONDITIONS TO IMPLEMENT REGULATION 2, RULE 6, MAJOR FACILITY REVIEW 3
C. REQUIREMENT TO PAY FEES 5
D. INSPECTION AND ENTRY 5
E. RECORDS 5
F. MONITORING REPORTS 5
G. COMPLIANCE CERTIFICATION 6
H. EMERGENCY PROVISIONS 6
I. SEVERABILITY 7
J. MISCELLANEOUS CONDITIONS 7
K. ACCIDENTAL RELEASE 7

II. EQUIPMENT 8
Table II A - Permitted Sources *8*
Table II B – Abatement Devices 11
Table II C- –Sources Exempt From Permitting 11

III. GENERALLY APPLICABLE REQUIREMENTS 12

IV. SOURCE-SPECIFIC APPLICABLE REQUIREMENTS 16
SECTION A SITEWIDE 16
SECTION B LIQUID LOADING 28
SECTION C TANKS 36
SECTION D - MISCELLANEOUS ORGANIC SOURCES (FUGITIVE COMPONENTS) 45

V. SCHEDULE OF COMPLIANCE 56

VI. PERMIT CONDITIONS 57
CONDITION 16991 57
CONDITION 23066 57
CONDITION 24738 58
CONDITION 24846 59
CONDITION 25008 61
CONDITION 25116 62

VII. APPLICABLE LIMITS & COMPLIANCE MONITORING REQUIREMENTS 64
SECTION A SITEWIDE 64
SECTION B LIQUID LOADING 66
SECTION C TANKS 70
SECTION D MISCELLANEOUS ORGANIC SOURCES (INCLUDING FUGITIVE COMPONENTS) 74

VIII. TEST METHODS 82

IX. PERMIT SHIELD 86

X. REVISION HISTORY 88

XI. GLOSSARY 89

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)
.

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

1. This Major Facility Review Permit was issued on February 4, 2015, and expires on February 3, 2020. The permit holder shall submit a complete application for renewal of this Major Facility Review Permit no later than August 3, 2019, and no earlier than February 3, 2019. If a complete application for renewal has not been submitted in accordance with this deadline, the facility may not operate after February 3, 2020. If the permit renewal has not been issued by February 3, 2020, but a complete application for renewal has been submitted in accordance with the above deadlines, the existing permit will continue in force until the District takes final action on the renewal application. (Regulation 2-6-307, 404.2, 407 & 409.6; MOP Volume II, Part 3, §4.2).

I. Standard Conditions

2. The permit holder shall comply with all conditions of this permit. The permit consists of this document and all appendices. Any non-compliance with the terms and conditions of this permit will constitute a violation of the law and will be grounds for enforcement action; permit termination, revocation and re-issuance, or modification; or denial of a permit renewal application. (Regulation 2-6-307; MOP Volume II, Part 3, §4.11)
3. In the event any enforcement action is brought as a result of a violation of any term or condition of this permit, the fact that it would have been necessary for the permittee to halt or reduce the permitted activity in order to maintain compliance with such term or condition shall not be a defense to such enforcement action. (MOP Volume II, Part 3, §4.11)
4. This permit may be modified, revoked, reopened and reissued, or terminated for 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)

I. Standard Conditions

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 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 Febraury 4, 2015 to July 30, 2015. The report shall be submitted by August 31, 2015. 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

I. Standard Conditions

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
375 Beale Street, Suite 600
San Francisco, CA 94105
Attn: Title V Reports

(Regulation 2-6-409.18, 2-6-502, Regulation 3; MOP Volume II, Part 3, §4.7)

G. Compliance Certification

Compliance certifications shall be submitted annually by the responsible official of this facility to the Bay Area Air Quality Management District and to the Environmental Protection Agency. 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 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 by e-mail to r9.aeo@epa.gov or postal mail to the Environmental Protection Agency at the following address:

Director of the Enforcement Division,
TRI & Air Section (ENF-2-1)
USEPA, Region 9
75 Hawthorne Street
San Francisco, CA 94105

(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)

I. Standard Conditions

3. The granting by the District of breakdown relief or the issuance by the Hearing Board of a variance will not provide relief from federal enforcement. (MOP Volume II, Part 3, §4.8)

I. Severability

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

J. Miscellaneous Conditions

1. In Table 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. [Reserved]
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. This 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
Plant #B1956 – Equilon Enterprises, LLC, dba Shell Oil Products US Martinez Terminal

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
1	No 1 Truck Loading Rack Gasoline	4 Gasoline Loading Arms 2 Diesel Loading Arms	N/A	112,800 gallons/hour of gasoline combined for S-1, S-2, S-3 and S-5 1,967,262 gallons/day of gasoline combined for S-1, S-2, S-3 and S-5	Firm Limit Condition 24846, Part 1 CARB Executive Order G-70-126
2	No 2 Truck Loading Rack Gasoline	4 Gasoline Loading Arms 2 Diesel Loading Arms	N/A	112,800 gallons/hour of gasoline combined for S-1, S-2, S-3 and S-5 1,967,262 gallons/day of gasoline combined for S-1, S-2, S-3 and S-5	Firm Limit Condition 24846, Part 1 CARB Executive Order G-70-126

II. Equipment

Table II A - Permitted Sources
Plant #B1956 – Equilon Enterprises, LLC, dba Shell Oil Products US Martinez Terminal

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
3	No 3 Truck Loading Rack Gasoline	4 Gasoline Loading Arms 2 Diesel Loading Arms 1 Ethanol Loading Arm	N/A	112,800 gallons/hour of gasoline combined for S-1, S-2, S-3 and S-5 1,967,262 gallons/day of gasoline combined for S-1, S-2, S-3 and S-5	Firm Limit Condition 24846, Part 1 CARB Executive Order G-70-126
4	Slop Tank	Fixed Roof Horizontal Underground	N/A	8000 gallons 18,250 gallons/year	Permit Applications 31461 (1986) and 14121 (2006) (50 gallons/day peak rate)

II. Equipment

Table II A - Permitted Sources
Plant #B1956 – Equilon Enterprises, LLC, dba Shell Oil Products US Martinez Terminal

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
5	No 4 Truck Loading Rack Gasoline	6 Gasoline Loading Arms	N/A	200,000 gallons/day of gasoline 112,800 gallons/hour of gasoline combined for S-1, S-2, S-3 and S-5 1,967,262 gallons/day of gasoline combined for S-1, S-2, S-3 and S-5	Firm Limit Condition 16991, part 2 Condition 24846, Part 1 CARB Executive Order G-70-126 New Source Review
6	Transportable Container Fuel additive/dye	Tote Tank	N/A	500 gallons 144,000 gallons in any consecutive 12-month period combined for S-6, S-7, S-8 and S-9	Firm Limit Condition 24738, Part 2 New Source Review
7	Transportable Container Fuel additive/dye	Tote Tank	N/A	500 gallons 144,000 gallons in any consecutive 12-month period combined for S-6, S-7, S-8 and S-9	Firm Limit Condition 24738 Part 2 New Source Review
8	Transportable Container Fuel additive/dye	Tote Tank	N/A	500 gallons 144,000 gallons in any consecutive 12-month period combined for S-6, S-7, S-8 and S-9	Firm Limit Condition 24738, Part 2 New Source Review
9	Transportable Container Fuel additive/dye	Tote Tank	N/A	500 gallons 144,000 gallons in any consecutive 12-month period combined for S-6, S-7, S-8 and S-9	Firm Limit Condition 24738, Part 2 New Source Review

II. Equipment

Table II B – Abatement Devices
Plant #B1956 – Equilon Enterprises, LLC, dba Shell Oil Products US Martinez Terminal

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
2	Vapor Recovery System Carbon Adsorption, including Bladder Tank	S-1, S-2, S-3, S-5	BAAQMD Condition # 16991, Part 3b Condition 24846, Parts 2, 4 and 5	none	0.04 lb/1,000 gallons of gasoline loaded
3	Portable Thermal Oxidizer	S-1, S-2, S-3, S-5	BAAQMD Condition # 25116, Part 3	none	0.02 lb/1,000 gallons of gasoline loaded
4	Vapor Recovery System Carbon Adsorption	S-4	BAAQMD Condition # 23066, Parts 1 and 4	none	10 ppmv NMHC

Table II C- –Sources Exempt From Permitting
Plant #B1956 – Equilon Enterprises, LLC, dba Shell Oil Products US Martinez Terminal
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)
	Tank No. 17 Fuel Additive Storage Tank	Horizontal Above Ground	N/A	10,000 gallons	2-1-123.3.2 (material with boiling point above 302F and storage temperature is less than 122F)
	Tank No. 18 Fuel Additive Storage Tank	Horizontal Above Ground	N/A	10,000 gallons	2-1-123.3.2 (material with boiling point above 302F and storage temperature is less than 122F)
	Tank No. 12 Fuel Additive Storage Tank	Horizontal Above Ground	N/A	10,000 gallons	2-1-123.3.2 (material with boiling point above 302F and storage temperature is less than 122F)

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.

.

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.

III. Generally Applicable Requirments

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
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 (06/19/2013)	N
SIP Regulation 3	Fees (05/03/1984)	Y
BAAQMD Regulation 4	Air Pollution Episode Plan (03/20/1991)	N
SIP Regulation 4	Air Pollution Episode Plan (08/06/1990)	Y
BAAQMD Regulation 5	Open Burning (06/19/2013)	N
SIP Regulation 5	Open Burning (09/04/1998)	Y
BAAQMD Regulation 6, Rule 1	Particulate Matter, General Requirements (12/05/2007)	N
SIP Regulation 6	Particulate Matter and Visible Emissions (09/04/1998)	Y
BAAQMD Regulation 7	Odorous Substances (03/17/1982)	N
BAAQMD Regulation 8, Rule 1	Organic Compounds - General Provisions (06/15/1994)	Y

III. Generally Applicable Requirments

Table III
Generally Applicable Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)
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 10	Organic Compounds – Process Vessel Depressurization (01/21/2004)	N
SIP Regulation 8, Rule 10	Organic Compounds – Storage of Organic Liquids (10/03/1984)	Y
BAAQMD Regulation 8, Rule 16	Organic Compounds – Solvent Cleaning Operations (10/16/2002)	Y
BAAQMD Regulation 8, Rule 18	Organic Compounds – Equipment Leaks (09/15/2004)	N
SIP Regulation 8, Rule 18	Organic Compounds – Equipment Leaks (06/05/2003)	Y
SIP Regulation 8, Rule 25	Organic Compounds – Pump and Compressor Seals at Petroleum Refineries, Chemical Plants, Bulk Plants and Bulk Terminals (03/07/1995)	Y
BAAQMD Regulation 8, Rule 28	Organic Compounds – Episodic Releases from Pressure Relief Devices at Petroleum Refineries and Chemical Plants (12/21/2005)	N
SIP Regulation 8, Rule 28	Organic Compounds – Episodic Releases from Pressure Relief Devices at Petroleum Refineries and Chemical Plants (03/07/1995)	Y
BAAQMD Regulation 8, Rule 40	Organic Compounds – Aeration of Contaminated Soil and Removal of Underground Storage Tanks (06/15/2005)	N
SIP Regulation 8, Rule 40	Organic Compounds – Aeration of Contaminated Soil and Removal of Underground Storage Tanks (4/19/2001)	Y
BAAQMD Regulation 8, Rule 47	Organic Compounds - Air Stripping and Soil Vapor Extraction Operations (6/15/2005)	N
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

III. Generally Applicable Requirments

Table III
Generally Applicable Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/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
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
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
FACILITY B1956

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 7	**Odorous Substances**		

IV. Source-Specific Applicable Requirements

Table IV – A
Source-specific Applicable Requirements
FACILITY B1956

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
7-301	General Limit on Odorous Substances:	N	
7-302	Limit on Odorous Substances at or Beyond Property Line	N	
7-303	Limit on Odorous Compounds	N	
7-302 Table II	Maximum Allowable Ammonia Emissions	N	
7-401	Collection of Samples	N	
7-402	Analysis of Samples	N	
7-403	Evaluation Apparatus	N	
7-404	Evaluation Procedure	N	
7-405	Evaluation Analysis	N	
7-601	Collection of Samples	N	
7-602	Sampling Equipment and Techniques for Collection	N	
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	
9-1-302	General Emissions Limitation	Y	
9-1-501	Area Monitoring Requirements	Y	
9-1-604	Ground Level Monitoring	Y	

IV. Source-Specific Applicable Requirements

Table IV – A
Source-specific Applicable Requirements
FACILITY B1956

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 9 Rule 2	**Inorganic Gaseous Pollutants - Hydrogen Sulfide (10/06/1999)**		
9-2-110	Exemptions	N	
9-2-301	Limitations on Hydrogen Sulfide	N	
9-2-501	Area Monitoring Requirements (Applies only when ground level monitors are not operating or are out of compliance.)	N	
9-2-601	Ground Level Monitoring	N	
BAAQMD Regulation 10	**Standards of Performance for New Stationary Sources – incorporated by reference (02/16/2000)**		
10-1	Subpart A – General Provisions (12/20/1995)	Y	
10-14	Subpart J -- Standards Of Performance For Petroleum Refineries	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 01/05/1994)**	Y	
40 CFR 60 Subpart A	**NSPS - General Provisions (12/22/2008)**		
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	
60.9	Availability of Information	Y	
60.14	Modification	Y	
60.15	Reconstructions	Y	
60.17	Incorporated by Reference	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	
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	

IV. Source-Specific Applicable Requirements

Table IV – A
Source-specific Applicable Requirements
FACILITY B1956

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

IV. Source-Specific Applicable Requirements

Table IV – A
Source-specific Applicable Requirements
FACILITY B1956

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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	
61.345(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	
61.350	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	
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: For 61.355(d)(2) Annual Report; Annual Waste Quantity Determination	Y	
61.355(a)(1)(ii)	Test Methods, Procedures, and Compliance Provisions: For 61.355(d)(2) Annual Report; Annual Average Benzene Determination	Y	
61.355(a)(1)(iii)	Test Methods, Procedures, and Compliance Provisions: For 61.355(d)(2) Annual Report; 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	

IV. Source-Specific Applicable Requirements

Table IV – A
Source-specific Applicable Requirements
FACILITY B1956

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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)(1)	Test Methods, Procedures, and Compliance Provisions: Waste quantity determination location – Exception: Sour water strippers	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	
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)(A)	Test Methods, Procedures, and Compliance Provisions: Criteria for determination of flow-weighted annual average benzene concentrationException: Sour water stripper	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	

IV. Source-Specific Applicable Requirements

Table IV – A
Source-specific Applicable Requirements
FACILITY B1956

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

IV. Source-Specific Applicable Requirements

Table IV – A
Source-specific Applicable Requirements
FACILITY B1956

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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(b)(6)	Recordkeeping requirements; 61.348(b)(2) records	Y	
61.356(c)	Recordkeeping requirements; Offsite Waste Transfer 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	
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	

IV. Source-Specific Applicable Requirements

Table IV – A
Source-specific Applicable Requirements
FACILITY B1956

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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	
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	
63.7	Performance test requirements	Y	
63.8	Monitoring requirements	Y	
63.9	Notification requirements	Y	

IV. Source-Specific Applicable Requirements

Table IV – A
Source-specific Applicable Requirements
FACILITY B1956

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

IV. Source-Specific Applicable Requirements

Table IV – A
Source-specific Applicable Requirements
FACILITY B1956

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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(o)	Applicability and Determination of Affected Source – Overlap with other regulations for wastewater	Y	
63.640(p)	Applicability and Determination of Affected Source – Overlap with other regulations for equipment leaks	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	
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 63.654 and is exempt from (g)	Y	
63.642(m)	State may restrict owner/opertor from emissions averaging compliance approach	Y	
63.648	Equipment leak standards	Y	
63.648(a)	Equipment leak standards. Comply with 40 CFR 60, Subpart VV	Y	
63.648(h)	Equipment Leak Standards--Record retention	Y	
63.655	Reporting and Recordkeeping Requirements	Y	
63.655(d)	Reporting and recordkeeping requirements; Equipment Leaks	Y	

IV. Source-Specific Applicable Requirements

Table IV – A
Source-specific Applicable Requirements
FACILITY B1956

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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	
63.654(i)	Reporting and Recordkeeping Requirements; Administrator Notification	Y	
Appendix Table 1	Hazardous Air Pollutants	Y	
Appendix Table 6	General Provisions Applicability to Subpart CC	Y	

IV. Source-Specific Applicable Requirements

SECTION B LIQUID LOADING

Table IV – B
Source-specific Applicable Requirements
S1, S2, S3 and S5- Truck Loading Racks

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 1	**General Provisions and Definitions (07/19/2006)**		
1-520	Continuous Emission Monitoring	Y	
1-520.8	Monitors pursuant to Regulations 10, 12 and 2-1-403	Y	
1-522	Continuous Emission Monitoring and Recordkeeping Procedures	N	
1-522.1	approval of plans and specifications	Y	
1-522.2	scheduling requirements	Y	
1-522.3	CEM performance testing	Y	
1-522.4	reporting of inoperative CEMs	Y	
1-522.5	CEM calibration requirements	Y	
1-522.6	CEM accuracy requirements	Y	
1-522.7	emission limit exceedance reporting requirements	N	
1-522.8	monitoring data submittal requirements	Y	
1-522.9	recordkeeping requirements	Y	
1-522.10	monitors required by Sections 1-521 or 2-1-403 shall meet the requirements specified by the APCO Continuous Emission Monitoring and Recordkeeping Procedures	Y	
1-523	Parametric Monitoring and Recordkeeping Procedures	N	
1-523.1	Report periods of parametric monitor inoperation	Y	
1-523.2	Limits on periods of parametric monitor inoperation	Y	
1-523.3	Report exceedances	N	
1-523.4	Recordkeeping	Y	
1-523.5	Maintenance and calibration; written policy	Y	
1-602	Area and Continuous Monitoring Requirements	Y	
SIP Regulation 1	**General Provisions and Definitions (06/28/1999)**		
1-522	Continuous Emission Monitoring and Recordkeeping Procedures	Y	
1-522.7	Excesses	Y	
1-523	Parametric Monitoring and Recordkeeping Procedures	Y	
1-523.3	Report exceedances	Y	
BAAQMD Regulation 6 Rule 1	**Particulate Matter; General Requirements (12/07/2007)**		
6-1-301	Ringelmann No. 1 Limitation	N	

IV. Source-Specific Applicable Requirements

Table IV – B
Source-specific Applicable Requirements
S1, S2, S3 and S5- Truck Loading Racks

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
6-1-302	Opacity Limitation	N	
6-1-305	Visible Particles	N	
6-1-310	Particle Weight Limitation	N	
6-1-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (09/04/1998)**		
6-301	Ringelmann No. 1 Limitation	Y	
6-302	Opacity Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particle Weight Limitation	Y	
6-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions	Y	
BAAQMD Regulation 8 Rule 33	**Organic Compounds - Gasoline Bulk Terminals And Gasoline Delivery Vehicles (04/15/2009)**		
8-33-101	Description: applicability	N	
8-33-112	Exemption: Tank Gauging and Inspection	N	
8-33-113	Exemption: Maintenance and Repair	N	
8-33-114	Exemption, CARB Certification	N	
8-33-116	Limited Exemption, Source Test Requirements	N	
8-33-205	Liquid Leak Free: < 3 drops/minute or 10 mL per disconnect	N	
8-33-216	Vapor Leak Free: < 3,000 ppm or 6% of LEL	N	
8-33-301	Final gasoline bulk terminal limitations	N	
8-33-301.2	VOC limitation: 0.04 lb/1000 gallons of organic liquid loaded	N	
8-33-303	Bottom fill requirement	N	
8-33-304	Gasoline Cargo Tank Requirements	N	
8-33-304.1	Vapor Integrity Requirement	N	
8-33-304.2	Vapor recovery requirement	N	
8-33-304.4	Purging requirement	N	
8-33-304.5	Drainage Requirement	N	
8-33-304.6	Vapor Tight Requirement	N	
8-33-304.7	Vapor Leak Requirement	N	
8-33-304.8	Liquid Leak Requirements	N	
8-33-304.9	Compatible Connectors Requirement	N	

IV. Source-Specific Applicable Requirements

Table IV – B
Source-specific Applicable Requirements
S1, S2, S3 and S5- Truck Loading Racks

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-33-304.10	Vapor Hose Storage Requirement	N	
8-33-304.11	Maintenance Requirement	N	
8-33-305	Gasoline Bulk Terminal Equipment Maintenance and Repair	N	
8-33-305.1	Good Working Order	N	
8-33-305.2	Transfer retained gasoline prior to maintenance, openings in a closed position	N	
8-33-305.3	Leak free portable maintenance containers	N	
8-33-305.4	Backpressure monitors	N	
8-33-306	Operating practices	N	
8-33-307	Loading practices	N	
8-33-307.1	Compatible Connectors Requirement	N	
8-33-307.2	CARB-certified vapor recovery system requirement	N	
8-33-308	Vapor Storage Tank Requirements	N	
8-33-308.1	TOC emissions in airspace above vapor storage tank diaphragm: < 3,000 ppm (C1)	N	
8-33-308.2	Monitor TOC weekly	N	
8-33-309	Gasoline Bulk Terminal Vapor Recovery System Requirements	N	
8-33-309.1	CARB Certified Vapor Recovery System requirement	N	
8-33-309.2	Cargo tank/vapor hose interface gauge pressure requirement	N	
8-33-309.3	Good working order	N	
8-33-309.5	Vapor Leak Requirement	N	
8-33-309.6	Liquid Leak Requirements	N	
8-33-309.7	Block or vapor check valve requirement	N	
8-33-309.8	Daily inspection of P/V valves, liquid fill, and vapor hose connections	N	
8-33-309.9	Vapor hose hanger requirement	N	
8-33-309.10	Install backpressure monitor	N	
8-33-309.11	Backpressure monitoring and limiting system requirement	N	
8-33-309.11.1	Option 1: Install an alarm and recording system	N	
8-33-309.12	Backpressure exceedance - shutdown and notification requirement	N	
8-33-309.13	Parametric monitoring requirement	N	
8-33-309.13.2	Option 2: Alternate parametric monitoring protocol	N	
8-33-309.14	Monitor parametric limits and parametric exceedance notification	N	
8-33-309.15	P/V sample line requirement	N	
8-33-401	Equipment installation and modification	N	
8-33-401.1	Comply with Reg. 2, Rule 1	N	

IV. Source-Specific Applicable Requirements

Table IV – B
Source-specific Applicable Requirements
S1, S2, S3 and S5- Truck Loading Racks

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-33-401.2	Submit CARB certification application before undertaking:	N	
8-33-401.2.1	Operation or a new or replacement vapor recovery system	N	
8-33-401.2.2	Replacement or modification of equipment that will exceed CARB throughput limits	N	
8-33-401.2.3	Operation of a vapor recovery system in a non-certified CARB mode	N	
8-33-401.2.4	Submittal of an application for a revised BAAQMD Permit to Operate	N	
8-33-403	Bulk Terminal Monitoring, Inspection, Notification and Reporting Requirements – develop a plan that meets the following requirements	N	
8-33-403.1	40 CFR Part 60, Subpart XX, §60.502	N	
8-33-403.2	40 CFR Part 63, Subpart R, §63.424, §63.425, §63.427, §63.428	N	
8-33-403.4	Sections 8-33-309.8, 309.11, 309.12, and 309.14	N	
8-33-501	Burden of proof (exemptions)	N	
8-33-502	Vapor Storage Tank Emissions Records	N	
8-33-503	Annual Source Test	N	
8-33-504	Pressure/Vacuum Valve, Liquid Fill and Vapor Hose Connector Leak Check Records	N	
8-33-505	Loading Rack Backpressure Records	N	
8-33-506	Parametric Correlation Records	N	
8-33-507	Parametric Variable Monitoring Records	N	
8-33-601	Emission Rate Determination (Vapor Processing Systems)	N	
8-33-603	Back Pressure Determination from Vapor Recovery Systems	N	
8-33-604	Vapor Tight (Gasoline Cargo Tanks)	N	
8-33-605	Analysis of Samples	N	
8-33-606	Vapor Leak Concentration Determination	N	
SIP Regulation 8 Rule 33	**Organic Compounds - Gasoline Bulk Terminals And Gasoline Delivery Vehicles (04/03/95)**		
8-33-101	Description: Applicability	Y	
8-33-113	Exemption: Maintenance and Repair	Y	
8-33-301	Final gasoline bulk terminal limitations	Y	
8-33-303	Bottom fill requirement	Y	
8-33-304	Delivery vehicle requirements	Y	
8-33-304.1	Vapor Integrity Requirement	Y	
8-33-304.2	Vapor Recovery Requirement	Y	
8-33-304.4	Purging requirement	Y	

IV. Source-Specific Applicable Requirements

Table IV – B
Source-specific Applicable Requirements
S1, S2, S3 and S5- Truck Loading Racks

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-33-305	Equipment Maintenance	Y	
8-33-306	Operating Practices	Y	
8-33-307	Loading Practices	Y	
8-33-309	Vapor Recovery System Requirements – Loading Rack	Y	
8-33-401	Equipment installation and modification	Y	
8-33-501	Burden of proof (exemptions)	Y	
8-33-601	Emission Rate Determination (Vapor Processing Systems)	Y	
8-33-605	Analysis of Samples	Y	
40 CFR 63 Subpart CC	**NESHAPs for Source Categories - Petroleum Refineries (06/30/2010)**		
63.640(a)	Applicability and designation of affected source; petroleum refining process units and to related emissions points specified in paragraphs (c)(5) through (c)(8)	Y	
63.640(a)(1)	At major source	Y	
63.640(a)(2)	Contain HAPs listed in Table 1	Y	
63.640(c)	Emission points included in affected source	Y	
63.640(c)(5)	Gasoline Loading Racks	Y	
63.641	Definitions	Y	
63.650	Gasoline loading rack provisions	Y	
63.650(a)	Refinery Gasoline loading rack shall comply with 40 CFR 63 Subpart R §§63.421, 63.422 (a) through (c) and (e), 63.425 (a) through (c) and (i), 63.425 (e) through (h), 63.427 (a) and (b), and 63.428 (b), (c), (g)(1), (h)(1) through (h)(3), and (k).	Y	
40 CFR 63 Subpart R	**NESHAPS for Source Categories - Gasoline Distribution Facilities (Bulk Gasoline Terminals and Pipeline Breakout Stations) (12/22/2008)** (Subject only to sections that apply to truck loading operations as referenced from 40 CFR 63 Subpart CC, 63.650(a))		
63.420(i)	Exemption, Bulk Gasoline Terminals Subject to 40 CFR 63 Subpart CC, unless specified in Subpart CC	Y	
63.421	Definitions	Y	
63.422(a)	Comply with 60.502, except not (b), (c), and (j)	Y	
63.422(b)	Total organic compound emissions standard		
63.422(c)	Comply with 60.502(e)	Y	
63.422(e)	Alternative method of compliance with 60.502(h) and (i)	Y	
63.425	Test Methods and Prodecures	Y	

IV. Source-Specific Applicable Requirements

Table IV – B
Source-specific Applicable Requirements
S1, S2, S3 and S5- Truck Loading Racks

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.427	Continuous Monitoring	Y	
63.428	Reporting and Recordkeeping requirements	Y	
63.428(b)	Gasoline cargo tank test results (can comply with alternative requirement in 63.428(k))	Y	
63.428(c)	Vapor Control System recordkeeping requirements	Y	
63.428(g)	Semiannual report	Y	
63.428(g)(1)	Semiannual report; Each loading of a gasoline cargo tank for which vapor tightness documentation had not been previously obtained by the facility	Y	
63.428(h)	Excess emissions report (required whether or not a CMS is installed at the facility)	Y	
63.428(h)(1)	Each instance of a failure to monitor operation parameter.	Y	
63.428(h)(2)	Each instance of a non vapor-tight gasoline cargo tank loading at the facility in which the owner or operator failed to take steps to assure that such cargo tank would not be reloaded at the facility before vapor tightness documentation for that cargo tank was obtained.	Y	
63.428(h)(3)	Each reloading of a nonvapor-tight gasoline cargo tank at the facility before vapor tightness documentation for that cargo tank is obtained by the facility in accordance with §63.422(c)(2).	Y	
63.428(k)	Alternatives to keeping records at the terminal of each gasoline cargo tank test result as required in paragraph 63.428(b) :	Y	
40 CFR 60 Subpart XX	**NSPS – Bulk Gasoline Terminals** (Subject only to Section 60.502 as referenced from 40 CFR 63 Subpart R, 63.422(a))		
60.502	Standards for VOC	Y	
60.502(a)	Vapor Collection system requirement	Y	
50.502(d)	No transfer of vapors between loading racks	Y	
60.502(e)	Requirements for ensuring only vapor-tight gasoline tank trucks are loaded	Y	
60.502(f)	Truck and loading rack vapor collection equipment must be compatible	Y	
60.502(g)	Owner/operator shall ensure truck and loading rack vapor collection equipment is connected	Y	
60.502(h)	Pressure limit in delivery tank	Y	
60.502(i)	Pressure-vacuum valve set point requirements	Y	
BAAQMD Condition # 16991			
Part 1	Facility subject to Regulation 8, Rule 33 (Basis: 8-33-302)	Y	

IV. Source-Specific Applicable Requirements

Table IV – B
Source-specific Applicable Requirements
S1, S2, S3 and S5- Truck Loading Racks

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 2	S-5 Throughput limit (Basis: Cumulative Increase)	Y	
Part 3a	S-5 Abatement requirement (Basis: Cumulative Increase)	Y	
Part 3b	S-5 emissions limit (Basis: Cumulative Increase)	Y	
Part 5	S-5 recordkeeping requirements (Basis: Recordkeeping)	Y	
BAAQMD Condition # 24846			
Part 1	S-1, S-2, S-3 and S-5 hourly and daily throughput limit (Basis:Exhibit 1, CARB Executive Order G-70-126)	Y	
Part 2	S-1, S-2, S-3 and S-5 abatement requirements (Basis: Regulation 2-1-403)	Y	
Part 3	A-2 Vapor recovery system vapor storage tank (bladder tank) diaphragm leakage limitation (Basis: Regulation 8-33-308)	Y	
Part 4	S-1, S-2, S-3 and S-5 NMOC emissions limit (Basis: Regulation 8-33-301.2, Regulation 8-33-309)	Y	
Part 5	S-1, S-2, S-3 and S-5 NMOC emissions limit in direct or bladder bypass mode (Basis: Regulation 8-33-301.2, Regulation 8-33-309)	Y	
Part 6	A-2 direct mode operating restrictions (Basis: Regulation 2-1-403, Regulation 8-33-309, CARB Source Test Report for Test #11-01)	Y	
Part 7	S-1, S-2, S-3, S-5 and A-2 recordkeeping requirements (Basis: Regulation 2-1-403, Regulation 8-33-500)	Y	
BAAQMD Condition # 25008			
Part 3	Backpressure monitor testing requirements(Basis: Regulation 8, Rule 33)	Y	
Part 4	Recordkeeping requirements (Basis: Regulation 2-1-403)	Y	
BAAQMD Condition # 25116			
Part 1	A-3 Portable Thermal Oxidizer NOx emissions limit (Basis: RACT)	Y	
Part 2	A-3 Portable Thermal Oxidizer CO emissions limit (Basis: RACT)	Y	
Part 3	A-3 Portable Thermal Oxidizer POC emissions limit (Basis: BACT)	Y	
Part 4	Facility throughput limit when abated by A-3 (Basis: Cumulative Increase)	Y	
Part 5	A-3 Portable Thermal Oxidizer Natural Gas fuel limit (Basis: Cumulative Increase)	Y	

IV. Source-Specific Applicable Requirements

Table IV – B
Source-specific Applicable Requirements
S1, S2, S3 and S5- Truck Loading Racks

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 6	A-3 Portable Thermal Oxidizer Propane fuel limit (Basis: Cumulative Increase)	Y	
Part 7	A-3 Portable Thermal Oxidizer non-ressettable totalizing meter requirement (Basis: Regulation 2-1-403)	Y	
Part 8	A-3 Portable Thermal Oxidizer temperature limit and monitoring requirement (Basis: Regulation 2-1-403)	Y	
Part 9	A-3 Portable Thermal Oxidizer reporting requirements (Basis: Regulation 2-1-220)	Y	

IV. Source-Specific Applicable Requirements

SECTION C TANKS

Table IV – C.1
Source-specific Applicable Requirements
S4-Slop Oil Tank

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6 Rule 1	**Particulate Matter; General Requirements (12/07/2007)**		
6-1-301	Ringelmann No. 1 Limitation	N	
6-1-302	Opacity Limitation	N	
6-1-305	Visible Particles	N	
6-1-310	Particle Weight Limitation	N	
6-1-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (09/04/1998)**		
6-301	Ringelmann No. 1 Limitation	Y	
6-302	Opacity Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particle Weight Limitation	Y	
6-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions	Y	
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	
8-5-111.4	Limited Exemption, Tank Removal From and Return to Service; Use vapor recovery during filling and emptying on tanks so equipped	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	

IV. Source-Specific Applicable Requirements

Table IV – C.1
Source-specific Applicable Requirements
S4-Slop Oil Tank

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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	
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	
8-5-119	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	
8-5-302	Requirements for Submerged Fill Piles	N	
8-5-303	Requirements for Pressure Vacuum Valves	N	
8-5-306	Requirements for Approved Emission Control Systems	N	
8-5-306.1	Requirements for Approved Emission Control Systems: Abatement efficiency $\geq$ 95%	N	
8-5-306.2	Requirements for Approved Emission Control Systems: It must be gas tight	N	
8-5-307	Requirements for Fixed Roof Tanks, Pressure Tanks and Blanketed Tanks	N	
8-5-307.1	Requirements for Fixed Roof Tanks, Pressure Tanks and Blanketed Tanks: no liquid leakage through shell	N	
8-5-307.2	Requirements for Fixed Roof Tanks, Pressure Tanks and Blanketed Tanks: Pressure tank working pressure	N	
8-5-307.3	Requirements for Fixed Roof Tanks, Pressure Tanks and Blanketed Tanks: Pressure tanks and blanketed tanks PRD requirements	N	
8-5-328	Tank Degassing Requirements	N	
8-5-328.2	Tank Degassing Requirements; Ozone Excess Day Prohibition	Y	

IV. Source-Specific Applicable Requirements

Table IV – C.1
Source-specific Applicable Requirements
S4-Slop Oil Tank

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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	
8-5-403	Inspection Requirements for Pressure Relief Devices	N	
8-5-403.1	Inspection Requirements for Pressure Relief Devices; pressure vacuum valves	N	
8-5-403.2	Inspection Requirements for Pressure Relief Devices; PRDs except pressure vacuum valves	N	
8-5-404	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	
8-5-501	Records	N	
8-5-501.1	Records; Type and amounts of liquid, type of blanket gas, TVP - Retain 24 months	Y	
8-5-501.3	Records; Retention	N	
8-5-501.4	Records; New PV setpoints	N	
8-5-502	Source Test Requirements	N	
8-5-502.1	Source Test Requirements; Annual source test for approved emission control systems and abatement devices for 8-5-303.2, 8-5-306.1, 8-5-307.3	N	
8-5-502.2	Source Test Requirements; 12-month source test for approved emission control systems and abatement devices for 8-5-328.1 or 331.	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	
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	

IV. Source-Specific Applicable Requirements

Table IV – C.1
Source-specific Applicable Requirements
S4-Slop Oil Tank

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service, Tank in compliance prior to notification	Y	
8-5-111.5	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	
8-5-301	Storage Tank Control Requirements	Y	
8-5-302	Requirements for Submerged Fill Piles	Y	
8-5-303	Requirements for Pressure Vacuum Valves	Y	
8-5-306	Requirements for Approved Emission Control Systems	Y	
8-5-307	Requirements for Pressure Tanks and Blanketed Tanks	Y	
8-5-501	Records	Y	
8-5-503	Portable Hydrocarbon Detector	Y	
8-5-603	Determination of Emissions	Y	
8-5-603.1	Determination of Emissions; Method to test emission control system (8-5-306)	Y	
BAAQMD Regulation 8 Rule 33	**Organic Compounds - Gasoline Bulk Terminals And Gasoline Delivery Vehicles (04/15/2009)**		
8-33-210	Slop Tank	N	
8-33-305	Gasoline Bulk Terminal Maintenance and repair	N	
8-33-305.2	Transfer retained liquid to slop tank prior to repair	N	
8-33-305.3	Slop Tank hose connections leak free requirements	N	
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 01/05/1994)**	Y	
40 CFR 61 Subpart FF	**NESHAPS – Benzene Waste Operations (12/04/2003)**		
61.340	Applicability	Y	
61.340(a)	Applicability: Petroleum Refineries	Y	
61.342(e)	Standards: General; Compliance option - Treat to 6 or 6BQ Option	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	

IV. Source-Specific Applicable Requirements

Table IV – C.1
Source-specific Applicable Requirements
S4-Slop Oil Tank

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
61.342(e)(2)	Standards: General; Requirements for treating aqueous wastes (greater than 10% water) for compliance with 61.342(e) compliance option;	Y	
61.342(e)(2)(i)	Standards: General; [Uncontrolled] 61.342(e)(2) Waste shall not contain more than 6.0 Mg/yr benzene (target benzene quantity (TBQ).	Y	
61.342(e)(2)(ii)	Standards: General; Determine 61.342(e)(2) benzene quantity in each uncontrolled aqueous waste stream per 61.355(k).	Y	
61.343	Standards: Tanks	Y	
61.343(a)	Standards: Tanks; Benzene-containing wastes, comply with (a)(1) or (a)(2)	Y	
61.343(a)(1)	The owner or operator shall install, operate, and maintain a fixed-roof and closed-vent system that routes all organic vapors vented from the tank to a control device.	Y	
61.343(a)(1)(i)(A)	Standards: Tanks---No detectable emissions ≥ 500 ppmv; annual inspection	Y	
61.343(a)(1)(i)(B)	Standards: Tanks; Fixed Roof--No openings	Y	
61.343(a)(1)(ii)	Standards: Tanks; Closed-vent systems and control device are subject to 61.349	Y	
61.343(c)	Standards: Tanks; Fixed roof quarterly inspection	Y	
61.343(d)	Standards: Tanks; Fixed roof repairs	Y	
61.349	Standards: Closed-Vent Systems and Control Devices	Y	
61.349(a)	Standards: Closed-Vent Systems and Control Devices; Applicability	Y	
61.349(a)(1)(i)	Standards: Closed-Vent Systems and Control Devices-Closed vent systems---No detectable emissions ≥ 500 ppmv; annual inspection	Y	
61.349(a)(1)(ii)(B)	Car-sealed valves on bypass lines in closed-vent system	Y	
61.349(a)(1)(iii)	Gauging/sampling devices are gas-tight	Y	
61.349(a)(1)(iv)	Safety valve provisions	Y	
61.349(a)(2)(ii)	Controlled by vapor recovery: 95% VOC or 98% benzene control	Y	
61.349(b)	Operated at all times.	Y	
61.349(c)(1)	Demonstrate efficiency required in 61.349(a)(2)	Y	
61.349(e)	Standards: Closed-Vent Systems and Control Devices; Control Device Performance Demonstration--Administrator-specified methods	Y	
61.349(f)	Visually inspect for leaks quarterly	Y	
61.349(g)	Repair leaks: 5 days for first attempt; 15 days for complete repair	Y	
61.349(h)	Monitor per 61.354(c)	Y	
61.351	Alternative Standards for Tanks	Y	
61.351(a)(1)	Alternative Standards for Tanks; Internal floating roof meeting requirements of 60.112b(a)(1)	Y	
61.351(a)(2)	Alternative Standards for Tanks; External floating roof meeting requirements of 60.112b(a)(2)	Y	
61.351(b)	Alternative Standards for Tanks; Tanks subject to 61.351 and exempt from 61.343	Y	

IV. Source-Specific Applicable Requirements

Table IV – C.1
Source-specific Applicable Requirements
S4-Slop Oil Tank

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
61.354	Monitoring of Operations	Y	
61.354(c)	Monitoring of Operations; Closed-vent systems and control devices--Continuously monitor control device operation	Y	
61.354(d)	Monitoring of Operations; Closed-vent systems and control devices--Non-regenerate carbon adsorption system requirements	Y	
61.354(f)(1)	Visually inspect carseal/valve positions monthly	Y	
61.355	Test methods, procedures, and compliance provisions	Y	
61.355(i)	Test methods, procedures, and compliance provisions; demonstrate compliance of control device with 61.349(a)(2) with performance test	Y	
61.356	Recordkeeping Requirements	Y	
61.356(f)	Recordkeeping Requirements: Closed vent system and control device – life retention records	Y	
61.356(f)(3)	Recordkeeping Requirements: Closed vent system and control device – life retention records – Performance tests	Y	
61.356(j)	Recordkeeping Requirements: Closed vent system and control device operating records	Y	
61.356(j)(1)	Recordkeeping Requirements: Control device – startup and shutdown dates	Y	
61.356(j)(2)	Recordkeeping Requirements: Control device – operating parameter	Y	
61.356(j)(3)	Recordkeeping Requirements: Control device – periods when not operated as designed	Y	
61.356(j)(3)(i)	Recordkeeping Requirements: Control device – periods and duration when any valve car-seal required under 61.349(a)(1)(ii) is broken or the bypass line valve position has changed.	Y	
61.356(j)(9)	Recordkeeping Requirements: Control device – If a carbon adsorber is used, maintain records from monitoring device of concentration of organics or concentration of benzene in control device outlet gas stream. Other recordkeeping requirements	Y	
61.356(j)(10)	Recordkeeping Requirements: Control device – If a carbon adsorber that is not regenerated directly on site in the control device is used, then maintain records of dates and times when the control device is monitored, when breakthrough is measured, and the dates and times of carbon replacement.	Y	
61.356(k)	Recordkeeping Requirements: 61.351 control equipment must comply with 60.115b	Y	
61.357	Reporting Requirements	Y	
61.357(d)	Reporting Requirements: Required report submittals	Y	
61.357(d)(6)	Reporting requirements: Quarterly certification of inspections	Y	
61.357(d)(7)	Reporting Requirements: Quarterly reports	Y	
61.357(d)(7)(iv)	Reporting Requirements: Quarterly reports; control device information	Y	
61.357(d)(7)(iv)(D)	Reporting Requirements: Quarterly reports; control device information – Carbon emission exceedances	Y	
61.357(d)(7)(iv)(I)	Reporting Requirements: Quarterly reports; control device information – Carbon not replaced when required	Y	

IV. Source-Specific Applicable Requirements

Table IV – C.1
Source-specific Applicable Requirements
S4-Slop Oil Tank

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
61.357(d)(8)	Reporting Requirements: Annual report – summary of NDE inspections and required repairs	Y	
61.357(e)	Reporting Requirements: Notification required for election to comply with 61.351 or 61.352 alternative standards.	Y	
61.357(f)	Reporting Requirements: 61.351 control equipment must comply with 60.115b	Y	
BAAQMD Condition # 23066			
Part 1	S-4 Abatement Requirement (Basis: Cumulative Increase)	Y	
Part 2	A-4 Carbon Requirement (Basis: Cumulative Increase)	Y	
Part 3	A-4 NMHC Emissions Limit (Basis: Cumulative Increase)	Y	
Part 4	A-4 NMHC Emissions Limit (Basis: Cumulative Increase)	Y	
Part 5	A-4 Monitoring Rquirements (Basis: Cumulative Increase)	Y	
Part 6	A-4 Recordkeepting Rquirements (Basis: Recordkeeping)	Y	
Part 7	A-4 Recordkeepting Rquirements (Basis: Recordkeeping, Cumulative Increase)	Y	

IV. Source-Specific Applicable Requirements

Table IV – C.2
Source-specific Applicable Requirements
S6, S7, S8 and S9-Transportable Containers

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6 Rule 1	**Particulate Matter; General Requirements (12/07/2007)**		
6-1-301	Ringelmann No. 1 Limitation	N	
6-1-302	Opacity Limitation	N	
6-1-305	Visible Particles	N	
6-1-310	Particle Weight Limitation	N	
6-1-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (09/04/1998)**		
6-301	Ringelmann No. 1 Limitation	Y	
6-302	Opacity Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particle Weight Limitation	Y	
6-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions	Y	
BAAQMD Regulation 8 Rule 5	**Organic Compounds - Storage of Organic Liquids (10/18/2006)**		
8-5-100	General	Y	
8-5-101	Description	Y	
8-5-117	Limited Exemption, Low Vapor Pressure	N	
8-5-307	Requirements for Fixed Roof Tanks, Pressure Tanks and Blanketed Tanks	N	
8-5-307.3	Requirements for Fixed Roof Tanks, Pressure Tanks and Blanketed Tanks: Pressure tanks and blanketed tanks PRD requirements	N	
8-5-403	Inspection Requirements for Pressure Relief Devices	N	
8-5-403.2	Inspection Requirements for Pressure Relief Devices; PRDs except pressure vacuum valves	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	
8-5-501.3	Records; Retention	N	
8-5-501.4	Records; New PV setpoints	N	
8-5-602	Analysis of Samples, 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	

IV. Source-Specific Applicable Requirements

Table IV – C.2
Source-specific Applicable Requirements
S6, S7, S8 and S9-Transportable Containers

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-5-605.2	Measurement of Leak Concentration and Residual Concentrations; Test Methods	N	
SIP Regulation 8 Rule 5	**Organic Compounds - Storage of Organic Liquids (06/05/2003)**		
8-5-117	Exemption, Low Vapor Pressure	Y	
8-5-307	Requirements for Pressure Tanks and Blanketed Tanks	Y	
8-5-403	Inspection Requirements for Pressure Vacuum Valves	Y	
8-5-501	Records	Y	
8-5-503	Portable Hydrocarbon Detector	Y	
8-5-605	Pressure-Vacuum Valve Gas Tight Determination	Y	
BAAQMD Condition # 24738			
Part 1	Storage Capacity Limit (Basis: Cumulative Increase)	Y	
Part 2	Throughput Limit (Basis: Cumulative Increase, Offsets)	Y	
Part 3	True Vapor Pressure Limit (Basis: Regulation 8-5-117)	Y	
Part 4	POC and Toxic Emissions limit (Basis: Cumulative Increase, Offsets, Toxics	Y	
Part 5	Recordkeeping Requirements (Basis: Regulation 2-1-403)	Y	

IV. Source-Specific Applicable Requirements

SECTION D - MISCELLANEOUS ORGANIC SOURCES (FUGITIVE COMPONENTS)

Table IV – D.0
Source-specific Applicable Requirements
Summary Of Applicable Requirements Pertaining To Fugitive Sources

Process Unit	BAAQMD Regulation 8 Rule 18 Note 1	NSPS 40 CFR Part 60, Subpart GGG; BAAQMD Regulation 10, Rule 59 [references NSPS Subpart VV] Note 2	NSPS 40 CFR Part 60 Subpart GGGa [references NSPS Subpart VVa] Note 3	BAAQMD Regulation 8 Rule 8 Note 4	NSPS Part 60, Subpart QQQ; BAAQMD Regulation 10, Rule 69 Note 5	NESHAPS 40 CFR Part 61, Subpart J and V BAAQMD Regulation 11 Rule 7 Note 6	NESHAPS Part 61, Subpart FF; BAAQMD Regulation 11, Rule 12 Note 7	NESHAPS Part 63, Subpart CC [40 CFR Part 60 Subpart VV] Note 8
Martinez Terminal	Y	Y	N	Y	N	N	Y	Y

NOTES:

(1) The entire facility is subject to Regulation 8 Rule 18 with exemptions as noted in the Rule. The group of equipment subject to the standards includes valves, pumps, compressors, pressure relief devices, diaphragms, hatches, fittings, sampling ports, pipes, plugs, open-ended lines, gauges and sight-glasses.

(2) The entire facility is subject to NSPS Subpart GGG with exemptions as noted in the rule. The group of equipment subject to the rule includes valves, pumps, pressure relief devices, sampling connection systems, open-ended valve or line and flange or other connector in VOC service.

(3) No components in the facility are currently subject to NSPS Subpart GGGa, which applies to equipment for which construction, reconstruction or modification commenced after 11/7/06.

(4) This rule applies to wastewater collection and treatment systems. Wastewater collection system components include structures used to collect and transport wastewater such as process drains, manholes, junction boxes, etc.

(5) NSPS Subpart QQQ applies to wastewater system equipment in petroleum refineries for which construction, reconstruction or modification commenced after 5/4/87. Equilon equipment was constructed prior to 5/4/87.

(6) There is no equipment at the facility subject to NESHAP Subpart J or BAAQMD Reg 11 Rule 7 because there is no equipment in benzene service as defined in these rules. There is equipment in the facility that is in VHAP service as defined in NESHAP Subpart V. However, overlap provisions of MACT Subpart CC required equipment that is subject to 40 CFR 60 and 61 to only comply with the provisions of MACT Subpart CC (which refers to 40 CFR 60 Subpart VV). Therefore, NESHAP Subpart V is not applicable.

(7) The facility is subject to Benzene Waste NESHAPs (40 CFR 61 Subpart FF) since it generates a waste stream containing benzene and is a support facility for a petroleum refinery. The entire Shell Martinez Reginery is subject to Benzene Waste NESHAPs (40 CFR 61 Subpart FF).

(8) The facility is subject to Refinery MACT 40 CFR Part 63 Subpart CC. Equipment leaks subject to Subpart CC are emissions of organic hazardous air pollutants from pumps, compressors, pressure relief devices, sampling connection systems, open-ended valve or lines, or instrumentation systems in organic hazardous air pollutant service as defined in the rule.

IV. Source-Specific Applicable Requirements

Table IV – D.1
Source Specific Applicable Requirements
EQUIPMENT LEAK COMPONENTS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8 Rule 8	**Organic Compounds - Wastewater Collection and Separation Systems (09/15/2004)**		
8-8-100	General Applicability	N	
8-8-200	Definitions	N	
8-8-303	Gauging and Sampling Devices	Y	
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	
8-8-502	Wastewater Critical Organic Compound Concentration or Temperature Records	Y	
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	

IV. Source-Specific Applicable Requirements

Table IV – D.1
Source Specific Applicable Requirements
EQUIPMENT LEAK COMPONENTS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-8-505.2	Records for Wastewater Collection System Components at Petroleum Refineries	N	
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	
8-8-601	Wastewater Analysis for Critical Organic Compounds	Y	
8-8-603	Inspection Procedures	N	
SIP Regulation 8 Rule 8	**Organic Compounds, Wastewater (Oil-Water) Separators (08/29/1994)**		
8-8-100	General Applicability	Y	
8-8-200	Definitions	Y	
8-8-603	Inspection Procedures	Y	
BAAQMD Regulation 8 Rule 18	**Organic Compounds - Equipment Leaks (09/15/2004)**		
8-18-100	General/Applicability	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 emission reduction plan	Y	

IV. Source-Specific Applicable Requirements

Table IV – D.1
Source Specific Applicable Requirements
EQUIPMENT LEAK COMPONENTS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-18-406	Interim Compliance	Y	
8-18-501	Portable Hydrocarbon Detector	Y	
8-18-502	Records	N	
8-18-503	Reports	N	
8-18-601	Analysis of Samples	Y	
8-18-602	Inspection Procedure	Y	
8-18-603	Determination of Control Efficiency	N	
8-18-604	Determination of Mass Emissions	N	
SIP 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	
8-18-306	Non-repairable Equipment	Y	
8-18-306.1	Non-repairable Equipment	Y	
8-18-306.2	Non-repairable Equipment	Y	
8-18-306.3	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 and 40 CFR 60 Subpart GGG		
10-59	Subpart GGG - Standards of Performance for Equipment Leaks for Petroleum Refineries (Fugitive Emission Sources)		
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 and 40 CFR 60 Subpart GGG**		
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	

IV. Source-Specific Applicable Requirements

Table IV – D.1
Source Specific Applicable Requirements
EQUIPMENT LEAK COMPONENTS

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

IV. Source-Specific Applicable Requirements

Table IV – D.1
Source Specific Applicable Requirements
EQUIPMENT LEAK COMPONENTS

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

IV. Source-Specific Applicable Requirements

Table IV – D.1
Source Specific Applicable Requirements
EQUIPMENT LEAK COMPONENTS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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	
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(b)	Vapor recovery systems must recover VOC emissions by 95% or greater or to a concentration of 20ppmv, 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	

IV. Source-Specific Applicable Requirements

Table IV – D.1
Source Specific Applicable Requirements
EQUIPMENT LEAK COMPONENTS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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	
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 60 Subpart GGG	**Standards of Performance for Equipment Leaks of VOC in Petroleum Refineries for which Construction, Reconstruction, or Modification Commenced After 1/4/1983 and on or Before 11/7/2006 (06/02/2008);**		
60.590	Applicability and designation of affected facility	Y	
60.590(a)(1)	Applicability and designation of affected facility; petroleum refineries	Y	
60.590(a)(2)	Applicability and designation of affected facility; petroleum refineries - compressors	Y	

IV. Source-Specific Applicable Requirements

Table IV – D.1
Source Specific Applicable Requirements
EQUIPMENT LEAK COMPONENTS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.590(a)(3)	Applicability and designation of affected facility; petroleum refineries – all equipment within a process unit	Y	
60.590(b)	Applicability and designation of affected facility; petroleum refineries – applicable dates	Y	
60.590(c)	Applicability and designation of affected facility; petroleum refineries – limit of definition of modification	Y	
60.590(e)	Applicability and designation of affected facility; petroleum refineries – stay of standards; definition of process unit	Y	
60.591	Definitions	Y	
60.592	Standards	Y	
60.592(a)	Standards: Comply with 40 CFR 60 Subpart VV [60.482-1 thru 60.482-10]	Y	
60.592(b)	Standards; Alternatives to 60.482-7 for valves	Y	
60.592(c)	Standards; Allowance for determination of equivalency	Y	
60.592(d)	Standards; Comply with 60.485 in Subpart VV except as provided in 60.593	Y	
60.592(e)	Standards; Comply with 60.486 and 60.487 for recordkeeping and reporting	Y	
60.593	Exceptions	Y	
60.593(a)	Exceptions; Allowable exceptions to the provisions of subpart VV	Y	
60.593(b)(1)	Exceptions; Exemption for compressors in hydrogen service	Y	
60.593(b)(2)	Exceptions; Determination of hydrogen service - methods	Y	
60.593(b)(3)(i)	Exceptions; Determination of hydrogen service – engineering judgment	Y	
60.593(b)(3)(ii)	Exceptions; Determination of hydrogen service - revisions	Y	
60.593(c)	Exceptions; Exemption for existing reciprocating compressor that becomes an affected facility	Y	
60.593(d)	Exceptions; additional definition of "in light liquid service"	Y	
60.593(f)	Exceptions; open-ended valves or lines containing asphalt	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. Equipment leaks that are also subject to the provisions of 40 CFR parts 60 and 61 are required to comply only with the provisions specified in this subpart.	Y	
63.641	Definitions	Y	
63.642(e)	Keep records for 5 years	Y	

IV. Source-Specific Applicable Requirements

Table IV – D.1
Source Specific Applicable Requirements
EQUIPMENT LEAK COMPONENTS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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	Y	
BAAQMD Condition # 25008			
Part 1	Fugitive component monitoring requirement (Basis: Basis: Regulation 8, Rule 33)	Y	
Part 2	Leak repair requirements (Basis: Regulation 2-1-403 and Regulation 2, Rule 5)	Y	
Part 4	Recordkeeping requirements (Basis: Regulation 2-1-403)	Y	

IV. Source-Specific Applicable Requirements

Table IV –D.2
Source-specific Applicable Requirements
ATMOSPHERIC PRESSURE RELIEF DEVICES SUBJECT TO BAAQMD 8-28

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8 Rule 28	**Organic Compounds - Episodic Releases from Pressure Relief Devices at Petroleum Refineries and Chemical Plants (12/21/2005)**		
8-28-101	Description, applicability	N	
8-28-112	Exemption, Storage Tanks	Y	
8-28-115	Exemption, Thermal Relief Valves	N	
8-28-302	Pressure Relief Devices at New or Modified Sources at Petroleum Refineries	N	
8-28-402	Inspection	N	
8-28-402.1	Inspection; daily inspection of PRDs with telltale indicators	N	
8-28-402.2	Inspection; after release, inspect within 5 working days for compliance with Regulation 8, Rule 18. Report per 8-28.401.9	N	
8-28-404	Identification	N	
8-28-405	Process Safety Requirements	N	
8-28-406	Monitoring System Demonstration Report	N	
8-28-407	Process Unit Identification Report	N	
8-28-502	Records	N	
8-28-502.1	Records; Prevention Measure Records	N	
8-28-502.2	Records; PRD records	N	
8-28-502.3	Records; Telltale indicator daily inspection records	N	
8-28-502.4	Records; PRD monitoring records	N	
8-28-503	Monitoring; monitoring system requirements	N	
SIP Regulation 8 Rule 28	**Organic Compounds - Episodic Releases from Pressure Relief Devices (05/24/2004)**		
8-28-101	Description, applicability	Y	
8-28-111	Exemption, Evaporation Point (302 F); includes exemption for thermal relief valves	Y	
8-28-302	Pressure Relief Devices at New or Modified Sources at Petroleum Refineries	Y	
8-28-402	Inspection; after release, inspect within 5 working days for compliance with Regulation 8, Rule 18. Report per 8-28.401.9	Y	
8-28-403	Records	Y	
8-28-404	Identification	Y	
8-28-405	Prevention Measures Procedures	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 16991

APPLICATION 100; EQUILON ENTERPRISES; PLANT 11956 CONDITIONS FOR S-5

1. This facility is subject to the requirements of Regulation 8, Rule 33, as long as gasoline is received only by pipeline (8-33-202). [Regulation 8, Rule 33]

2. Gasoline throughput at S-5 (loading lane 4) shall not exceed 200,000 gallons on any single day. [Cumulative Increase]

3a. S-5 loading emissions shall be abated at the A-2 carbon adsorption system. [Cumulative Increase]

3b. A-2 shall limit emissions from S-5 to no more than 0.05 lb/1,000 gallons of gasoline loaded. [Cumulative Increase]

4. [Delete - offsets provided]

5. Daily records of the gasoline throughput at S-5 shall be kept in a District-approved log for at least 5 years and shall be made available to the District upon request. [Recordkeeping]

Condition 23066

S-4, Slop Tank; abated by A-4 Carbon Canister System:

1. The owner/operator of S-4 shall vent this tank, whenever it contains any organic liquid, to the A-4 carbon canister system. [Basis: Cumulative Increase]

2. The owner/operator shall ensure that A-4, carbon canister system, consists of at least two vessels of activated carbon arranged in series (200 pound minimum capacity each). [Basis: Cumulative Increase]

3. The owner/operator shall ensure that carbon in the upstream vessel, first vessel in series, shall be replaced with carbon from the downstream vessel when the non-methane hydrocarbon (NMHC) concentration in the exhaust from the primary vessel exceeds either of the following:

a. 10% of the inlet stream concentration, or
b. 10 ppmv (measured as C1)

[Basis: Cumulative Increase]

VI. Permit Conditions

4. The owner/operator shall ensure that the concentration of NMHC in the exhaust from the downstream vessel does not exceed 10 ppmv (as C1). The carbon in the downstream vessel shall be replaced with fresh carbon to ensure compliance with this requirement. [Basis: Cumulative Increase]

5. The owner/operator of A-4 shall monitor NMHC concentration of the process exhaust gas with a photo-ionization detector (PID), flame-ionization detector (FID), or other method approved in writing by the District at the following points:

a. At the inlet to the upstream carbon vessel in series
b. At the outlet of the upstream carbon vessel in series
c. At the outlet of the downstream carbon vessel in series

When using an FID to monitor A-4, readings may be taken with and without a carbon filter tip fitted on the FID probe. Concentrations measured with the carbon filter tip in place shall be considered methane and are not counted as NMHC. [Basis: Cumulative Increase]

6. All measured concentrations required by Part 5 shall be recorded in a District-approved log at the time they are taken. The monitoring results shall be used to estimate the frequency of carbon change-out necessary to maintain compliance with parts 3 and 4, and shall be conducted on a daily basis. These records shall be kept for at least two years and shall be made available to the District upon request. [Basis: Recordkeeping]

7. The owner/operator of A-4 shall maintain the following records for each month of operation of the source:

a. The hours and times of operation.
b. Each monitor reading or analysis for the day of operation they are taken.
c. The number of carbon beds removed from the service.

All measurements, records and data required to be maintained shall be kept for at least five years and shall be made available to the District upon request. [Basis: Cumulative Increase, Recordkeeping]

Condition 24738

Plant 11956: Equilon Enterprises, LLC
Application 21877: For S-6 through S-9

1. The owner/operator shall ensure that the combined storage capacity of refillable totes S-6 through S-9 used for storing organic liquids such as red dye (UNISOLr Liquid Red BK-50) and conductivity enhancing fuel additives (Stadisr 425 Conductivity Improver), which are blended with fuels prior to being loaded into tanker trucks via loading arms (S-1, S-2, S-3, and S-5), does not exceed 2,000 gallons. (Basis: Cumulative Increase)

VI. Permit Conditions

2. The owner/operator shall ensure that the combined annual throughput of materials stored in S-6 through S-9 does not exceed 144,000 gallons in any consecutive 12-month period. (Basis: Cumulative Increase, Offsets)

3. The owner/operator shall ensure that the true vapor pressure of materials stored in S-6 through S-9 is at/below 0.5 psia. (Basis: Regulation 8-5-117)

4. The owner/operator may store materials other than UNISOLr Liquid Red BK-50 and Stadisr 425 Conductivity Improver in S-6 through S-9, provided the owner/operator can demonstrate that all of the following requirements are satisfied:

a. Total POC emissions from refilling the totes with the new materials does not exceed 0.07 tons (148 pounds) in any consecutive twelve month period; and

b. The emissions associated with tote refilling operations associated with the new materials does not result in Toxic Air Contaminant (TAC) emissions above District established Acute or Chronic TAC Trigger Levels outlined in Table 2-5-1 in Regulation 2, Rule 5 for a given TAC, or a group of TAC's.

(Basis: Cumulative Increase, Offsets, Toxics)

5. In order to demonstrate compliance with the above conditions, the owner/operator of S-6 through S-9 shall maintain the following records in a District approved log:

a. The trade names and MSDS's for dyes and additives stored in the totes.

b. Monthly throughput records indicating the quantities of dyes and additives throughput into the totes from the refilling operations, and dispensed out from the totes into tanker trucks via loading arms (S-1, S-2, S-3, and S-5).

c. U.S. EPA TANK 4.0.9d modeling results and pertinent calculations when storing materials other than UNISOLr Liquid Red BK-50 and Stadisr 425 Conductivity Improver in S-6 through S-9. The owner/operator shall retain all records on-site for at least five years from the date of entry and the records shall be made available for inspection by District staff upon request. The above record keeping requirements shall not replace the record keeping requirements contained in any applicable District regulations.

(Basis: Regulation 2-1-403)

Condition 24846

Plant 11956: Equilon Enterprises, LLC
Application 21922
Amended September 2011 to include direct (or vapor bladder bypass) mode of operation

1. The owner/operator shall ensure that the combined gasoline throughput at loading racks S-1, S-2, S-3, and S-5 does not exceed 112,800 gallons per hour and 1,967,262 gallons per day. The above throughput limits assume the bladder tank (vapor

VI. Permit Conditions

accumulator) upstream of vapor recovery system (A-2) is not bypassed. (Basis:Exhibit 1, CARB Executive Order G-70-126)

2. Unless stated otherwise in this permit condition, the owner/operator shall ensure that all vapors displaced during the gasoline, diesel, and ethanol truck loading operations at S-1, S-2, S-3, and S-5 are abated at all times by A-2, which shall consist of two carbon adsorber beds operating in parallel and a bladder tank upstream of it. (Basis: Regulation 2-1-403)

3. The owner/operator of the vapor storage tank (bladder tank) upstream of A-2 shall maintain the diaphragms in the bladder tank such that the concentration of total organic compound (TOC) emissions in the airspace above the diaphragm is less than 3,000 ppm expressed as methane, or 6% of the Lower Explosive Limit. The owner/operator shall monitor and record the TOC concentration in the airspace above the diaphragm with a District approved hydrocarbon analyzer weekly when the bladder tank is in service, during a period when gasoline loading is in progress. (Basis: Regulation 8-33-308)

4. The owner/operator of S-1, S-2, S-3, and S-5 shall ensure that emissions of non-methane organic compounds (NMOCs) from A-2, including emissions associated with switch loading operations, does not exceed 0.04 pounds per 1,000 gallons of organic liquid loaded. The owner/operator shall also ensure that A-2 complies with the gasoline bulk terminal vapor recovery system requirements outlined in Regulation 8-33-309. (Basis: Regulation 8-33-301.2, Regulation 8-33-309)

5. Direct or bladder bypass mode mode of operation, for the purposes of this permit condition, shall mean that the bladder tank is bypassed and that vapors displaced during the gasoline, diesel, and ethanol truck loading operations at loading racks S-1, S-2, S-3, and S-5 is routed directly to A-2. The owner/operator of S-1, S-2, S-3, and S-5 shall ensure that emissions of non-methane organic compounds (NMOCs) from A-2, including emissions associated with switch loading operations, does not exceed 0.04 pounds per 1,000 gallons of organic liquid loaded when operating A-2 in direct mode. The owner/operator shall also ensure that A-2 complies with the gasoline bulk terminal vapor recovery system requirements outlined in Regulation 8-33-309 when operating in direct mode. (Basis: Regulation 8-33-301.2, Regulation 8-33-309)

6. The owner/operator shall ensure the following requirements are met when operating A-2 in direct mode:

a. The combined gasoline throughout at loading racks S-1, S-2, S-3, and S-5 does not exceed 146,291 gallons in any 6-hour period.

b. The maximum backpressure at any lane of the truck loading rack shall not exceed 18 inches of water column.

c. A maximum of 2 fueling arms (with 2 vapor recovery arms) may be used at one time.

VI. Permit Conditions

(Basis: Regulation 2-1-403, Regulation 8-33-309, CARB Source Test Report for Test #11-01)

7. Starting with the date of issuance of the Authority to Construct pursuant to Application 21922, the owner/operator shall maintain the following records in a District approved log for at least 60 months from the last date of entry:

a. Hourly and daily records of gasoline throughput at loading racks S-1, S-2, S-3, and S-5.

b. Hourly and daily records of gasoline throughput at loading racks S-1, S-2, S-3, and S-5 when operating A-2 in direct mode.

c. The date(s) and duration of time(s) that A-2 is operated in direct mode.

d. Weekly records of TOC concentrations measured via a District approved hydrocarbon analyzer in the airspace above the diaphragm when the bladder tank is in service, during a period when gasoline loading is in progress.

e. NMOC concentrations measured on a continuous basis at the outlet of A-2.

f. Testing and monitoring records required under Regulation 8-33-309 per Regulation 8-33-500.

The owner/operator may choose to maintain the logs in the form of computer-generated data, which is available to District personnel on short notice (rather than actual paper copies). (Basis: Regulation 2-1-403, Regulation 8-33-500)

Condition 25008

Plant 11956: Equilon Enterprises, LLC
Application 22832: Installation of back pressure monitors and associated fugitive components required by Reg. 8-33 amendments

1. On a quarterly basis, the owner/operator shall monitor the fugitive components (30 valves and 66 connectors) installed as part of Application 22832 for leaks with a device such as, but not limited to, a flame ionization detector (FID). For the purposes of this permit condition, a leak is defined as a concentration of total organic compounds (TOC) of 100 ppm above background, expressed as methane, as measured 1 centimeter or less from a leaking fugitive component using EPA Reference Method 21 (40 CFR 60, Appendix A). [Basis: Regulation 8, Rule 33]

2. Within 60 days of discovering a leak, the owner/operator shall repair and re-inspect all fugitive components installed under Application 22832 that are found to be leaking in excess of 100 ppm of TOC expressed as methane. [Basis: Regulation 2-1-403 and Regulation 2, Rule 5]

3. Each of the eight backpressure monitors installed by the owner/operator under Application 22832 shall be correlation tested as follows:

a. The owner/operator shall conduct a District-approved correlation source test annually with pressure measured at the loading rack/cargo tank interface.

VI. Permit Conditions

b. The owner/operator shall submit a correlation testing protocol for each backpressure monitor installed under Application 22832 to be reviewed and approved by the Source Test Manager at least 15 days prior to conducting testing.
c. The owner/operator shall notify the Manager of Source Test Section (STS) at least 7 days prior to the date the test is to be conducted, and shall submit the final source test reports to the above individual within 60 days of testing.

Protocol, notification and final report submission should be made electronically by the owner/operator to the Manager of Source Test at: sourcetest@baaqmd.gov. [Basis: Regulation 8, Rule 33]

4. The owner/operator shall maintain a District-approved monthly log of monitoring results and leak repairs performed at fugitive components installed as part of Application 22832 for at least 60 months from date of entry. The log may be in the form of computer-generated data, which is available to District personnel on short notice rather than actual paper copies. [Basis: Regulation 2-1-403]

Condition 25116

Permit conditions for A-3, Portable Thermal Oxidizer, Application #23707, Equilon Enterprises, LLC dba Shell Oil Products US, Plant # 11956.

1. Nitrogen oxides (NOx) emissions from the Portable Thermal Oxidizer, A-3, shall not exceed 50 ppmvd at 15% O2 (0.20 lb/MMBtu). [Basis: RACT]

2. Carbon monoxide (CO) emissions from the Portable Thermal Oxidizer, A-3, shall not exceed 350 ppmvd at 15% O2 (0.80 lb/MMBtu). [Basis: RACT]

3. Precursor Organic Compound (POC) emissions from the Portable Thermal Oxidizer, A-3, shall not exceed 0.02 pounds per 1000 gallon of liquid loaded. [Basis: BACT]

4. The total throughput at the source (truck or marine loading facility) that A-3 is abating shall not exceed the lesser of:
a. 4800 gallons of organic materials per minute, or
b. The CARB certified gasoline throughput limits, or
c. The District condition limit.

[Basis: Cumulative Increase]

5. The owner/operator of Combustor A-3 shall not use more than 151,200 therms (14,823,529 cubic feet) of natural gas during any consecutive 12 month periods in any locations under the jurisdiction of BAAQMD. [Basis: cumulative increase]

VI. Permit Conditions

6. The owner/operator of Combustor A-3 shall not use more than 5,883,288 cubic feet of propane during any consecutive 12 month periods in any locations under the jurisdiction of BAAQMD. [Basis: cumulative increase]

7. The owner/operator shall install a non-resettable totalizing meter and recorder to demonstrate compliance with Condition No. 6. [Basis: Regulation 2-1-403]

8. The Portable Thermal Oxidizer, A-3, shall be equipped with a temperature measuring device capable of continuously measuring and recording the temperature in A-3. The owner/operator shall install, and maintain the equipment in accordance with manufacturer's recommendations. The minimum furnace temperature of A-3 shall be at least 900 degree F. This minimum temperature may be adjusted by the District if source test data demonstrate that an alternate temperature is necessary for or capable of maintaining compliance with Condition No. 3 above. [Basis: Regulation 2-1-403]

9. Within 30 days after the end of every calendar year, the applicant shall provide to the Air District a year-end summary showing the following information: [Regulation 2-1-220]

a. The location(s) at which the equipment was operated including the dates operated
b. The total usage of natural gas in therms during the previous 12 months.
c. The total usage of propane in cubic feet during the previous 12 months.

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
FACILITY B1956

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 A0011]	40 CFR 61.356(b)(4)	N	Records
Ambient H_2S	BAAQMD 9-2-301	Y		Ground level concentrations of 0.06 ppm for 3 min or 0.03 ppm for 60 min	BAAQMD 9-2-501 9-2-601	C	Area Monitoring
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
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

VII. Applicable Limits & Compliance Monitoring Requirements

Table VII – A
Applicable Limits and Compliance Monitoring Requirements
FACILITY B1956

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	40 CFR 61.345(c)	Y		Container broken seals & gaskets repaired within 15 days	40 CFR 61.356(g)	P/Q	Reports
POC	BAAQMD 8-16-111	Y		No Limit	BAAQMD 8-16-501.3	M	Records
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, cover backfilled contaminated soil with ≥ 6" uncontaminated soil or continuous heavy duty plastic sheeting	None	N	N/A
Ambient SO_2	BAAQMD 9-1-301	Y		Ground level concentrations of 0.5 ppm for 3 min or 0.25 ppm for 60 min or 0.05 ppm for 24 hours	BAAQMD 9-1-501 9-1-604	As Requested by APCO	Area Monitoring

VII. Applicable Limits & Compliance Monitoring Requirements

SECTION B LIQUID LOADING

Table VII – B
Applicable Limits and Compliance Monitoring Requirements
S1, S2, S3 and S5- Truck Loading Racks

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
CO	BAAQMD Condition 25116 Part 2	Y		350 ppmvd at 15% O2 (0.80 lb/MMBtu) when abated by A-3 Portable Thermal Oxidizer	None	N	N/A
Liquid Leaks	BAAQMD 8-33-205 8-33-304.8	N		3 drops/minute; or 10 mL/ disconnect, avg. over three consecutive disconnects (gasoline cargo tanks)	None	N	N/A
Liquid Leaks	BAAQMD 8-33-205 8-33-309.6	N		3 drops/minute; or 10 mL/ disconnect, avg. over three consecutive disconnects (gasoline bulk terminal liquid fill & vapor return connectors)	BAAQMD 8-33-309.8	P/D	P/V valves, liquid fill hose & vapor hose connector seal physical inspection
NOx	BAAQMD Condition 25116 Part 1	Y		50 ppmvd at 15% O2 (0.20 lb/MMBtu) when abated by A-3 Portable Thermal Oxidizer	None	N	N/A
NMOC	BAAQMD Condition 24846 Part 4	Y		0.04 lb/1000 gal organic liquid loaded	BAAQMD Condition 24846 Part 7	C	NMOC monitoring
NMOC	BAAQMD Condition 24846 Part 5	Y		0.04 lb/1000 gal organic liquid loaded in bladder bypass mode	BAAQMD Condition 24846 Part 7	C	NMOC monitoring
NMOC	BAAQMD Condition 24846 Part 6b	Y		Backpressure not to exceed 18 inches of water when in bladder bypass mode	BAAQMD 8-33-309.10 BAAQMD Condition 25008, Part 3	C	Backpressure monitoring
NMOC	BAAQMD Condition 24846 Part 6c	Y		Maximum of two fueling arms with two vapor recovery arms when in bladder bypass mode	BAAQMD Condition 24846 Part 7	P/H	Records

VII. Applicable Limits & Compliance Monitoring Requirements

Table VII – B
Applicable Limits and Compliance Monitoring Requirements
S1, S2, S3 and S5- Truck Loading Racks

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 8-33-301	Y		9.6 g/m3 (0.08 lb/1000 gal) organic liquid loaded	None	N	N/A
POC	BAAQMD Condition 16991 Part 3b	Y		0.05 lb/1000 gal gasoline loaded	BAAQMD 8-33-309.13	C	POC parametric monitoring
POC	BAAQMD 8-33-301.2 BAAQMD Condition 24846 Part 4	Y		0.04 lb/1000 gal organic liquid loaded	BAAQMD 8-33-309.13	C	POC parametric monitoring
POC	BAAQMD Condition 25116 Part 3	Y		0.02 lb/1000 gal organic liquid loaded when abated by A-3 Portable Thermal Oxidizer	BAAQMD Condition 25116 Part 8	C	Temperature monitor
POC	BAAQMD 8-33-217 8-33-304.6	N		Pressure decay & vapor leak standards of CARB CP-204 (gasoline cargo tank)	None	N	N/A
POC	BAAQMD 8-33-216 8-33-304.7	N		100% of LEL (gasoline cargo tank liquid fill & vapor return connectors)	None	N	N/A
POC	BAAQMD 8-33-216 8-33-309.5	N		3,000 ppm as C1; or 6% of LEL (gasoline bulk terminal)	BAAQMD 8-33-309.8	P/W	Hydrocarbon analyzer
Pressure	BAAQMD 8-33-309.2	N		18.0 inches of H_2O during product loading	BAAQMD 8-33-309.10 BAAQMD Condition 25008, Part 3	C	Backpressure monitor
Pressure	BAAQMD 8-33-309.2	N		18.0 inches of H_2O during product loading	BAAQMD 8-33-309.10 BAAQMD Condition 25008, Part 3	P/A	Backpressure monitor correlation test

VII. Applicable Limits & Compliance Monitoring Requirements

Table VII – B
Applicable Limits and Compliance Monitoring Requirements
S1, S2, S3 and S5- Truck Loading Racks

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Pressure	40 CFR 63.650(a) 63.422(a) 60.502(h)	Y		Maximum cargo tank pressure during loading: 450 mm H20	40 CFR 63.650(a) 63.422(a) 60.503(d)	P/E	Record maximum pressure each loading event
Temperature	BAAQMD Condition 25116 Part 8	Y		A-3 Temp > 900F when abating S1, S2, S3 and S5	BAAQMD Condition 25116 Part 8	C	Temperture Monitor
Through-put (S-5)	BAAQMD Condition 16991, Part 2	Y		200,000 gallons total liquid loaded at S-5 in any single day	BAAQMD Condition 16991, Part 5	P/D	Records
Through-put	BAAQMD Condition 24846, Part 1	Y		Combined gasoline loaded < 112,800 gallons/hr and < 1,967,262 gallons/day	BAAQMD Condition 24846 Part 7	P/H and D	Records
Through-put	BAAQMD Condition 24846, Part 6a	Y		146,291 gallons total liquid loaded in any 6-hr period in bladder bypass mode	BAAQMD Condition 24846 Part 7	P/H and D	Records
Through-put (A-3)	BAAQMD Condition 25116 Part 5	Y		A-3 natural gas fuel < 151,200 therms (14,823,529 cu ft) in any consecutive 12-month period	BAAQMD Condition 25116 Part 7	C	Totalizing Meter
Through-put (A-3)	BAAQMD Condition 25116 Part 6	Y		A-3 propane fuel < 5,883,288 cu ft in any consecutive 12-month period	BAAQMD Condition 25116 Part 7	C	Totalizing Meter
TOC	BAAQMD 8-33-308.1 BAAQMD Condition 24846, Part 3	N		3,000 ppm as C1; or 6% of LEL (above vapor storage tank diaphragm)	BAAQMD 8-33-308.2 BAAQMD Condition 24846, Part 3 and 7	P/W	Hydrocarbon analyzer
Vapor Collection	40 CFR 63.650(a) 63.422(a) 60.502(f) 60.502(g)	Y		Ensure truck vapor collection equipment is: (1) Compatible with terminal (2) Connected to terminal	None	N	NA

VII. Applicable Limits & Compliance Monitoring Requirements

Table VII – B
Applicable Limits and Compliance Monitoring Requirements
S1, S2, S3 and S5- Truck Loading Racks

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Vapor Tight Cargo Trucks	40 CFR 63.650(a) 63.422(a)\ 60.502(e)(1) – (e)(4)	Y		Procedures for loading gasoline cargo trucks	40 CFR 63.650(a) 63.422(a) 60.502(e)(1) – (e)(4)	P/E	Records
Vapor Tight Cargo Trucks	40 CFR 63.650(a) 63.422(a) 60.502(e)(5) 63.422(c)(2)	Y		Have a procedure in place to ensure that non-vapor tight trucks are not reloaded until new vapor tight documentation is received	40 CFR 63.650(a) 63.422(a) 60.502(e)(5) 63.422(c)(2)	P/E	Records

VII. Applicable Limits & Compliance Monitoring Requirements

SECTION C TANKS

Table VII – C.1
Applicable Limits and Compliance Monitoring Requirements
S4-Slop Oil Tank

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
NMHC	BAAQMD Condition 23066, Part 3	Y		Either 10% of inlet stream, or 10 ppmv (as C1) from first carbon vessel	BAAQMD Condition 23066, Part 5 and 6	P/D	Portable hydrocarbon detector
NMHC	BAAQMD Condition 23066, Part 4	Y		10 ppmv (as C1) from second carbon vessel	BAAQMD Condition 23066, Part 5 and 6	P/D	Portable hydrocarbon detector
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 8-5-303.1	N		Pressure vacuum valve set to 90% of tank's maximum allowable working pressure or at least 0.5 psig	BAAQMD 8-5-501.4	P/initial	Records
VOC	SIP 8-5-303.1	Y		Pressure vacuum valve set pressure within 10% of maximum allowable working pressure of the tank, or at least 0.5 psig	SIP 8-5-403	P/SA	visual inspection
VOC	BAAQMD 8-5-303.2	N		Pressure vacuum valve sealing mechanism must be gas-tight: < 500 ppm **OR**	BAAQMD 8-5-403 8-5-403.1	P/SA	Method 21 portable hydrocarbon detector
					BAAQMD 8-5-403 8-5-403.1 8-5-411.3 (optional)	P/Q (optional)	Method 21 portable hydrocarbon detector
				Pressure vacuum valve sealing mechanism must be vented to abatement with 95% efficiency	BAAQMD 8-5-502.1	P/A	Source test

VII. Applicable Limits & Compliance Monitoring Requirements

Table VII – C.1
Applicable Limits and Compliance Monitoring Requirements
S4-Slop Oil Tank

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	SIP 8-5-303.2	Y		Pressure relief valve gas tight (< 500 ppm)	SIP 8-5-403 8-5-503 8-5-605	P/SA	Method 21 portable hydrocarbon detector
VOC	BAAQMD 8-5-307.3	N		Pressure relief valve gas tight (< 500 ppm)	BAAQMD 8-5-403 8-5-403.2 8-5-605	P/SA	Method 21 portable hydrocarbon detector
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 8-5-328.1.2	Y		< 10,000 ppm organic concentration (Degassing)	BAAQMD 8-5-328.1.2 8-5-605	P/E	Method 21 Inspection
VOC	BAAQMD 8-5-331	N		90% abatement efficiency (tank cleaning)	BAAQMD 8-5-502.2 8-5-603	P/ A	Source Test
VOC		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		Y		Determination of applicability	BAAQMD 8-5-604	P/E	Look-up table or sample analysis
VOC	BAAQMD 8-33-305.3	N		3,000 ppm as C1; or 6% of LEL (hoses to Slop Tank)	BAAQMD 8-33-606	P/E	Method 21 portable hydrocarbon detector

VII. Applicable Limits & Compliance Monitoring Requirements

Table VII – C.1
Applicable Limits and Compliance Monitoring Requirements
S4-Slop Oil Tank

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	63.647(a) 61.343(a) (1)(i)(A)	Y		Tank cover and openings leak tightness standards (< 500 ppmw)	63.647(a) 61.343(a)(1) (i)(A)	P/A	Method 21 portable hydrocarbon detector
VOC	63.647(a) 61.343(a)(1) (i)(B)	Y		Tank openings maintained in closed and sealed position	63.647(a) 61.343(c)	P/Q	Visual inspection
VOC	63.647(a) 61.349(a) (1)(i)	Y		CVS leak tightness standards (< 500 ppmw)	63.647(a) 61.349(a) (1)(i)	P/A	Method 21 portable hydrocarbon detector
VOC	63.647(a) 61.349(a) (1)(ii)(B)	Y		CVS with bypass line car-seal closed	63.647(a) 61.354(f)(1)	P/M	Visual inspection
VOC	63.647(a) 61.349(a) (2)(ii)	Y		Control device standards; includes 95% VOC efficiency requirement	63.647(a) 61.340(d)	N	Exempt from control standards – vented to fuel gas
VOC	63.647(a) 61.349(a) (2)(ii)	Y		Control device standards; includes 95% VOC efficiency requirement	63.647(a) 61.349(h) 61.354(d)	P/D	VOC analyzer
VOC	63.647(a) 61.349(f)	Y		CVS evidence of visual defects	63.647(a) 61.349(f)	P/Q	Visual inspection

VII. Applicable Limits & Compliance Monitoring Requirements

Table VII – C.2
Applicable Limits and Compliance Monitoring Requirements
S6, S7, S8 and S9-Transportable Containers

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Capacity	BAAQMD Condition 24738, Part 1	Y		2,000 total gallons	BAAQMD Condition 24738, Part 5	P/M	Records
POC	BAAQMD Condition 24738, Part 4a	Y		148 pounds in any concecutive 12-month period	BAAQMD Condition 24738, Part 5	P/M	Records
Through-put	BAAQMD Condition 24738, Part 2	Y		144,000 gallons in any concecutive 12-month period	BAAQMD Condition 24738, Part 5	P/M	Records
TVP	BAAQMD Condition 24738, Part 3	Y		0.5 psia	BAAQMD Condition 24738, Part 5	P/M	Records
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 8-5-307.3	N		Pressure relief valve gas tight (< 500 ppm)	BAAQMD 8-5-403 8-5-403.2 8-5-605	P/SA	Method 21 portable hydrocarbon detector

VII. Applicable Limits & Compliance Monitoring Requirements

SECTION D MISCELLANEOUS ORGANIC SOURCES (INCLUDING FUGITIVE COMPONENTS)

Table VII – D.1
Applicable Limits and Compliance Monitoring Requirements
EQUIPMENT LEAK 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	BAAQMD 8-8-312	N		Controlled WW collection system components: vapor tight	BAAQMD 8-8-402.4 8-8-504 8-8-603	P/SA	Method 21 portable hydrocarbon detector
VOC	BAAQMD 8-8-313.2	N		Uncontrolled WW collection system components; vapor tight	BAAQMD 8-8-313.2 8-8-402.3 8-8-504 8-8-603	P/SA	Method 21 portable hydrocarbon detector
VOC	BAAQMD 8-8-313.2	N		Uncontrolled WW collection system components; not vapor tight on regular semi-annual inspection	BAAQMD 8-8-313.2 8-8-402.3 8-8-504 8-8-603	P/ Reinspect within 30 days of discovery and every 30 days until controlled or returned to semi-annual inspection schedule	Method 21 portable hydrocarbon detector
VOC	BAAQMD 8-8-312 8-8-313.2 8-8-402.1	N		Wastewater Inspection and Maintenance Plan Records	BAAQMD 8-8-505	P/E Each inspection and repair	Records
TOC	BAAQMD 8-18-300	Y		Valves $\leq$ 100 ppm, Pumps $\leq$ 500 ppm, Compressors $\leq$ 500 ppm, Connectors $\leq$ 100 ppm, PRDs $\leq$ 500 ppm General Equipment $\leq$ 100 ppm	BAAQMD 8-18-401.5	P/E (24 hrs after repair/mini-mization)	Method 21 Inspection

VII. Applicable Limits & Compliance Monitoring Requirements

Table VII – D.1
Applicable Limits and Compliance Monitoring Requirements
EQUIPMENT LEAK COMPONENTS

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
TOC	BAAQMD. 8-18-301	Y		General equipment leak ≤ 100 ppm	None	P/E	Method 21 Inspection
TOC	BAAQMD. 8-18-302.1 8-18-302.2	N		Valve leak ≤ 100 ppm	BAAQMD. 8-18-401.2	P/Q	Method 21 Inspection
TOC	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
TOC	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
TOC	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
TOC	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
TOC	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
TOC	BAAQMD 8-18-304.1 8-18-304.2	N		Connection leak ≤ 100 ppm	BAAQMD 8-18-401.6	P/E (Annually or APCO and EPA-approved connection inspection program)	Method 21 Inspection
TOC	BAAQMD. 8-18-304	N		Connection opened during turnaround leak ≤ 100 ppm	BAAQMD. 8-18-401.1	P/E (90 days after turnaround startup)	Method 21 Inspection

VII. Applicable Limits & Compliance Monitoring Requirements

Table VII – D.1
Applicable Limits and Compliance Monitoring Requirements
EQUIPMENT LEAK COMPONENTS

<table>
<tr><th>Type of Limit</th><th>Citation of Limit</th><th>FE Y/N</th><th>Future Effective Date</th><th>Limit</th><th>Monitoring Requirement Citation</th><th>Monitoring Frequency (P/C/N)</th><th>Monitoring Type</th></tr>
<tr><td>TOC</td><td>BAAQMD
8-18-304.3
8-18-306.2
8-18-306.3</td><td>N</td><td></td><td>Non-repairable connection</td><td>BAAQMD
8-18-401.6</td><td>P/E
(Annually or APCO and EPA-approved connection inspection program)</td><td>Method 21 inspection</td></tr>
<tr><td>TOC</td><td>BAAQMD.
8-18-305</td><td>Y</td><td></td><td>Pressure relief valve leak ≤ 500 ppm</td><td>BAAQMD.
8-18-401.2
8-18-401.7</td><td>P/Q</td><td>Method 21 Inspection</td></tr>
<tr><td>TOC</td><td>BAAQMD
8-18-305</td><td>Y</td><td></td><td>Inaccessible pressure relief valve leak ≤ 500 ppm</td><td>BAAQMD
8-18-401.3</td><td>P/A</td><td>Method 21 Inspection</td></tr>
<tr><td>TOC</td><td>BAAQMD
8-18-305</td><td>Y</td><td></td><td>Pressure relief valve leak ≤ 500 ppm</td><td>BAAQMD
8-18-401.8</td><td>P/E
(5 working days after release)</td><td>Method 21 Inspection</td></tr>
<tr><td>TOC</td><td>BAAQMD.
8-18-306.1</td><td>N</td><td></td><td>Valve, connector, pressure relief, pump or compressor must be repaired within 5 years or at the next scheduled turnaround</td><td>BAAQMD
8-18-502.4
8-18-503.1</td><td>P/Q</td><td>Report</td></tr>
<tr><td>TOC</td><td>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</td><td>N</td><td></td><td>Maximum percentage awaiting repair
<table><tr><th>Components</th><th>%</th></tr><tr><td>Valves (including with major leaks) and connectors per 8-18-306.3</td><td>0.30</td></tr><tr><td>Valves with major leaks per 8-18-306.4</td><td>0.025</td></tr><tr><td>Pressure Reliefs</td><td>1.0</td></tr><tr><td>Pumps and Compressors</td><td>1.0</td></tr></table></td><td>BAAQMD
8-18-502.4

BAAQMD
8-18-306.1</td><td>P/Q

P/E</td><td>Report

Repair/ replace within 5 years or at next scheduled turnaround, whichever is first</td></tr>
<tr><td>TOC</td><td>BAAQMD
.
8-18-307</td><td>Y</td><td></td><td>Liquid Leak more than 3 drops/min, unless minimized with 24 hrs & repaired within 7 days</td><td>None</td><td>P/E</td><td>Records</td></tr>
</table>

VII. Applicable Limits & Compliance Monitoring Requirements

Table VII – D.1
Applicable Limits and Compliance Monitoring Requirements
EQUIPMENT LEAK COMPONENTS

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
TOC	BAAQMD 8-18-403	Y		No evidence of leak in Pumps and Compressors	BAAQMD 8-18-403	P/D	Visual Inspection
TOC	BAAQMD 8-18-403	Y		Pumps and Compressors with Evidence of Leak on visual inspection	BAAQMD 8-18-403	P/E	Method 21 Inspection
TOC	SIP 8-18-302	Y		Valve leak ≤ 100 ppm or minimize in 24 hours, repair in 7 days	SIP 8-18-401.2	P/Q	Method 21 Inspection
TOC	SIP 8-18-302	Y		Inaccessible Valve leak ≤ 100 ppm or minimize in 24 hours, repair in 7 days	SIP 8-18-401.3	P/A	Method 21 Inspection
TOC	SIP 8-18-303	Y		Pump and compressor leak ≤ 500 ppm or minimize in 24 hours, repair in 7 days	SIP 8-18-401.2	P/Q	Method 21 Inspection
TOC	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
TOC	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
TOC	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
TOC	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

VII. Applicable Limits & Compliance Monitoring Requirements

Table VII – D.1
Applicable Limits and Compliance Monitoring Requirements
EQUIPMENT LEAK COMPONENTS

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
TOC	BAAQMD Condition # 25008, Part 1	Y		Valves ≤ 100 ppm, Connectors ≤ 100 ppm	BAAQMD Condition # 25008, Part 1	P/Q	Method 21 Inspection
TOC	BAAQMD Condition # 25008, Part 1 & 2	Y		Fugitive leak ≤ 100 ppm found, Repair and reinspect all project components in 60 days	BAAQMD Condition # 25008, Part 2	P/E	Method 21 Inspection
40 CFR 60; Subpart VV – equipment leaks subject to 40 CFR 60 Subpart GGG and to 40 CFR 63 Subpart CC BAAQMD 10-52; 10-59							
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
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

VII. Applicable Limits & Compliance Monitoring Requirements

Table VII – D.1
Applicable Limits and Compliance Monitoring Requirements
EQUIPMENT LEAK 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 60.482-3(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
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

VII. Applicable Limits & Compliance Monitoring Requirements

Table VII – D.1
Applicable Limits and Compliance Monitoring Requirements
EQUIPMENT LEAK 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 60.482-10(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
40 CFR 61; Subpart FF							
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

VII. Applicable Limits & Compliance Monitoring Requirements

Table VII – D.2
Applicable Limits and Compliance Monitoring Requirements
ATMOSPHERIC PRESSURE RELIEF DEVICES SUBJECT TO BAAQMD 8-28

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	None	N		No limit	BAAQMD 8-28-402.1	P/D	Visual inspection
POC	None	N		No limit	BAAQMD 8-28-402.2	P/ Within 5 days of a release	Visual inspection
POC	None	Y		No limit	SIP 8-28-402	P/ Within 5 days of a release	Visual inspection
POC	None	N		No limit	BAAQMD 8-28-503	P/E	Monitoring System

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 1-604	Opacity Measurements	Manual of Procedures, Volume V, Continuous Emissions Monitoring
BAAQMD 6-1-301	Ringelmann No. 1 Limitation	Manual of Procedures, Volume I, Evaluation of Visible Emissions
BAAQMD 6-1-302	Opacity Limit	Manual of Procedures, Volume V, Continuous Emission Monitoring
BAAQMD 6-1-304	Tube Cleaning	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
BAAQMD Regulation 8-2-301	Miscellaneous Operation Emission Limit	Manual of Procedures, Volume IV, ST-7 or ST-32; or EPA Method 25 or 25A
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)
BAAQMD 8-8-601	Wastewater Analysis for Organic Compounds	Manual of Procedures, Volume III, Lab Method 33, Determination of Dissolved Critical Volatile Organic Compounds in Wastewater Separators
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

VIII. Test Methods

Table VIII
Test Methods

Applicable Requirement	Description of Requirement	Acceptable Test Methods
BAAQMD Regulation 8-18-306	Determination of mass emissions	EPA Protocol for equipment leak emission estimates, Chapter 4, Mass Emission Sampling, (EPAA-453/R-95-017) November 1995
9-1-301	Ground Level Monitoring	Manual of Procedures, Volume VI, Section 1, Area Monitoring
9-2-301	Ground Level Monitoring	Manual of Procedures, Volume VI, Section 1, Area Monitoring
9-1-501, 9-2-501	Continuous Monitoring	Manual of Procedures, Volume V, Continuous Monitoring
9-1-313	NH3 and H2S abatement efficiency	Manual of Procedures, Volume III, Method 32, Determination of H2S in Process Water Streams Manual of Procedures, Volume III, Method 1, Determination of NH3 in Effluents
BAAQMD 9-1-313.2	Sulfur Removal and Recovery	Manual of Procedures, Volume III, Method 32, Determination of Hydrogen Sulfide in Process Water Streams and Method 1, Determination of Ammonia in Effluents
BAAQMD 9-10-301, 303, 304	Determination of Nitrogen Oxides	Manual of Procedures Volume V Continuous Emissions Monitoring or Equivalent Verification System (CEMS verified by Manual of Procedures, Volume IV ST-13A and ST-14 Source Test)
BAAQMD 9-10-305	Determination of Carbon Monoxide and Stack-Gas Oxygen	Manual of Procedures Volume V Continuous Emissions Monitoring or Equivalent Verification System (CEMS verified by Manual of Procedures, Volume IV ST-6 and ST-14 Source Test)
60 Subpart J 60.104(a)(1)	Limit on H2S in fuel gas for fuel gas combustion devices	Method 11, Determination of Hydrogen Sulfide Content of Fuel Gas Streams in Petroleum Refineries
60 Subpart J 60.105 (a)(4)(iii)	H2S CEMS performance test methods	Performance evaluations for this H_2S monitor under §60.13(c) shall use Performance Specification 7. Method 11, 15, 15A, or 16 shall be used for conducting the relative accuracy evaluations.
60 Subpart J 60.106(e)	H2S concentration monitoring	Method 11, Determination of Hydrogen Sulfide

VIII. Test Methods

Table VIII
Test Methods

Applicable Requirement	Description of Requirement	Acceptable Test Methods
60 Subpart J 60.106(e)(1)	H2S in fuel gas standard compliance determination	Method 11, 15, 15A, or 16 shall be used to determine the H2S concentration. The gases entering the sampling train should be at about atmospheric pressure. If the pressure in the refinery fuel gas lines is relatively high, a flow control valve may be used to reduce the pressure. If the line pressure is high enough to operate the sampling train without a vacuum pump, the pump may be eliminated from the sampling train. The sample shall be drawn from a point near the centroid of the fuel gas line. (i) For Method 11, the sampling time and sample volume shall be at least 10 minutes and 0.010 dscm (0.35 dscf). Two samples of equal sampling times shall be taken at about 1-hour intervals. The arithmetic average of these two samples shall constitute a run. For most fuel gases, sampling times exceeding 20 minutes may result in depletion of the collection solution, although fuel gases containing low concentrations of H2S may necessitate sampling for longer periods of time. (ii) For Method 15 or 16, at least three injects over a 1-hour period shall constitute a run. (iii) For Method 15A, a 1-hour sample shall constitute a run.
NSPS Title 40 Part 60 Appendix B	**Performance Specifications**	
Performance Specification 7	H2S continuous emission monitoring systems	Method 11, Determination of Hydrogen Sulfide
NSPS Title 40 Part 60 Appendix F	**Quality Assurance Procedures**	
Procedure 1	QA requirements for gas continuous emissions monitoring systems	
NSPS Part 60 Subpart VV	**Standards of Performance for Equipment Leaks (Fugitive Emission Sources) (10/18/83)**	

VIII. Test Methods

Table VIII
Test Methods

Applicable Requirement	Description of Requirement	Acceptable Test Methods
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
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 and BAAQMD 8-18-404.1	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
40 CFR 63, Subpart CC	Test methods, procedures	EPA reference method 21 (60, Appendix A), Determination of Volatile Organic Compound Leaks

IX. PERMIT SHIELD

Non-applicable Requirements

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

Table IX A – 1
Permit Shield for Non-applicable Requirements
S1, S2, S3 and S5- Truck Loading Racks

Citation	Title or Description (Reason not applicable)
	None

Table IX A – 2
Permit Shield for Non-applicable Requirements
S4-Slop Oil Tank

Citation	Title or Description (Reason not applicable)
	None

Table IX A – 3
Permit Shield for Non-applicable Requirements
S6, S7, S8 and S9-Transportable Containers

Citation	Title or Description (Reason not applicable)
	None

Subsumed Requirements

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

IX. Permit Shield

Table IX B – 1
Permit Shield for Non-applicable Requirements
S1, S2, S3 and S5- Truck Loading Racks

Citation	Title or Description (Reason not applicable)
	None

Table IX B – 2
Permit Shield for Non-applicable Requirements
S4-Slop Oil Tank

Citation	Title or Description (Reason not applicable)
	None

Table IX \BA – 3
Permit Shield for Non-applicable Requirements
S6, S7, S8 and S9-Transportable Containers

Citation	Title or Description (Reason not applicable)
	None

X. REVISION HISTORY

Initial Major Facility Review Permit Issuance (Application 21607): February 4, 2015

Administrative Amendment: Change of Responsible Official (Application 27859) April 20, 2016

Administrative Amendment: Change of Responsible Official (Application 28815) September 7, 2017
Change Responsible Official
Update of District new address
Update on Standard Conditions:
Secion G. Compliance Certification the last paragraph, with EPA e-mail address
Updated USEPA's address

Administrative Amendment: Transfer of Ownership (Application 30288) March 3, 2020
Change Responsible Official
Updated running head - Facility name: Martinez Terminal Company LLC

Administrative Amendment: Change of Responsible Official (Application 30630) August 21, 2020

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

CAPCOA
California Air Pollution Control Officers Association

XI. Glossary

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

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.

DWT
Dead Weight Ton

District
The Bay Area Air Quality Management District

DNF
Dissolved Nitrogen Flotation (See DAF)

XI. Glossary

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

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.

XI. Glossary

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.

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

XI. Glossary

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.

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

XI. Glossary

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

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

XI. Glossary

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.

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.

XI. Glossary

RAA
Relative Accuracy Audit

RACT
Reasonably Available Control Technology

RATA
Relative Accuracy Test Audit

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

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

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

XI. Glossary

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)

TPH
Total Petroleum Hydrocarbons

TRMP
Toxic Risk Management Plan

XI. Glossary

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 yearBTU or btu =	British Thermal Unit
C	=	degrees Celsius	
dscf	=	dry standard cubic feet	
dscm	=	dry standard cubic meters	
F	=	degrees Fahrenheit	
f^3	=	cubic feet	
g	=	grams	
gr	=	grains	
gal	=	gallon	
gpm	=	gallons per minute	
hp	=	horsepower	

XI. Glossary

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