# Bay Area Air Quality Management District

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

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## Final

# MAJOR FACILITY REVIEW PERMIT

**Issued To:**

## Valero Benicia Asphalt Plant
## Facility #A0901

**Facility Address:**
3001 Park Road
Benicia, CA 90748-1257

**Mailing Address:**
3001 Park Road
Benicia, CA 90748-1257

**Responsible Official**
Doug Comeau,
Vice President and General Manager
Valero Refining Company - California
(707) 745-7724

**Facility Contact**
Clark Hopper,
Environmental Engineering Manager

(707) 745-7385

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**Type of Facility:** Asphalt Refinery
**Primary SIC:** 2911
**Product:** Asphalt

BAAQMD Permit Division Contact:
Brenda Cabral

**ISSUED BY THE BAY AREA AIR QUALITY MANAGEMENT DISTRICT**

Signed by Jack P. Broadbent _____ ___September 2, 2004_____
Jack Broadbent, Executive Officer/Air Pollution Control Officer Date

# TABLE OF CONTENTS

I. STANDARD CONDITIONS ..... 3

II. EQUIPMENT ..... 7

III. GENERALLY APPLICABLE REQUIREMENTS ..... 17

IV. SOURCE-SPECIFIC APPLICABLE REQUIREMENTS ..... 19

V. SCHEDULE OF COMPLIANCE ..... 132

VI. PERMIT CONDITIONS ..... 133

VII. APPLICABLE LIMITS & COMPLIANCE MONITORING REQUIREMENTS ..... 165

VIII. TEST METHODS ..... 237

IX. PERMIT SHIELD ..... 243

X. REVISION HISTORY ..... 246

XI. GLOSSARY ..... 247

XII. APPLICABLE STATE IMPLEMENTATION PLAN ..... 253

# 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 5/2/01);

SIP Regulation 1 - General Provisions and Definitions
(as approved by EPA through 6/28/99);

BAAQMD Regulation 2, Rule 1 - Permits, General Requirements
(as amended by the District Board on 8/1/01);

SIP Regulation 2, Rule 1 - Permits, General Requirements
(as approved by EPA through 1/26/99);

BAAQMD Regulation 2, Rule 2 - Permits, New Source Review
(as amended by the District Board on 5/17/00);

SIP Regulation 2, Rule 2 - Permits, New Source Review and Prevention of Significant Deterioration
(as approved by EPA through 1/26/99);

BAAQMD Regulation 2, Rule 4 - Permits, Emissions Banking
(as amended by the District Board on 5/17/00);

SIP Regulation 2, Rule 4 - Permits, Emissions Banking
(as approved by EPA through 1/26/99); and

BAAQMD Regulation 2, Rule 6 - Permits, Major Facility Review
(as amended by the District Board on 4/16/03).

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

1. This Major Facility Review Permit was issued on December 1, 2003, and expires on November 30, 2008. The permit holder shall submit a complete application for renewal of this Major Facility Review Permit no later than May 31, 2008 and no earlier than November 30, 2007. **If a complete application for renewal has not been submitted in accordance with this deadline, the facility may not operate after** November 30, 2008**.** (Regulation 2-6-307, 404.2, & 409.6; MOP Volume II, Part 3, §4.2)

2. The permit holder shall comply with all conditions of this permit. The permit consists of this document and all appendices. Any non-compliance with the terms and conditions of this permit will constitute a violation of the law and will be grounds for enforcement action; permit termination, revocation and re-issuance, or modification; or denial of a permit renewal application. (Regulation 2-6-307; MOP Volume II, Part 3, §4.11)

3. In the event any enforcement action is brought as a result of a violation of any term or condition of this permit, the fact that it would have been necessary for the permittee to halt or reduce the permitted activity in order to maintain compliance with such term or condition shall not be a defense to such enforcement action. (MOP 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)

# I. Standard Conditions

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

### C. Requirement to Pay Fees

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

### D. Inspection and Entry

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

### E. Records

1. The permit holder must provide any information, records, and reports requested or specified by the APCO. (Regulation 1-441, Regulation 2-6-409.4)

# I. Standard Conditions

2. Notwithstanding the specific wording in any requirement, all records for federally enforceable requirements shall be maintained for at least five years from the date of creation of the record. (Regulation 2-6-501, Regulation 3; MOP Volume II, Part 3, §4.7)

**F. Monitoring Reports**

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

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

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

**G. Compliance Certification**

Compliance certifications shall be submitted annually by the responsible official of this facility to the Bay Area Air Quality Management District and to the Environmental Protection Agency. The first certification period shall be December 1, 2003, to November 30, 2004. The second certification period shall be December 1, 2004, to December 31, 2004. Subsequent certification periods will be January 1st to December 31st. All compliance certifications are due on the last day of the month after the end of the certification period. The certification must list each applicable requirement, the compliance status, whether compliance was continuous or intermittent, the method used to determine compliance, and any other specific information required by the permit. The permit holder may satisfy this requirement through submittal of District-generated Compliance Certification forms. The certification should be directed to the District's Compliance and Enforcement Division at the address above, and a copy of the certification shall be sent to the Environmental Protection Agency at the following address:

Director of the Air Division
USEPA, Region IX
75 Hawthorne Street
San Francisco, CA 94105

# I. Standard Conditions

Attention: Air-3

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

## H. Emergency Provisions

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

## I. Severability

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

## J. Miscellaneous Conditions

1. The maximum capacity for each source as shown in Table II-A is the maximum allowable capacity. 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 startup or shutdown of any process unit. The owner/operator shall notify the District in writing by fax or email as soon as feasible for any unscheduled startup or shutdown of any process unit, but no later than 48 hours after the event. The notification shall be sent in writing by fax or email to the Director of Enforcement and Compliance. This requirement is not federally enforceable. (Regulation 2-1-403)

# II. EQUIPMENT

## Table II A - Permitted Sources

Each of the following sources has been issued a permit to operate pursuant to the requirements of BAAQMD Regulation 2, Permits. The capacities in this table are the maximum allowable capacities for each source, pursuant to Standard Condition I.J and Regulation 2-1-301.

| S# | Description | Make or Type | Model | Capacity |
|---|---|---|---|---|
| 1 | Crude Storage Tank 1A | External Floating Roof | | 3,419,000 gal |
| 2 | Crude Storage Tank 1B | External Floating Roof | | 3,419,000 gal |
| 3 | Gas Oil Storage Tank, TK-1C | Fixed Roof | | 3,419,000 gal |
| 4 | Crude Oil Storage Tank, TK-10A | External Floating Roof | | 1,382,000 gal |
| 5 | Asphalt Storage Tank, TK-2A | Fixed Roof | | 3,415,000 gal |
| 6 | Asphalt Storage Tank, TK-2B | Fixed Roof | | 3,415,000 gal |
| 7 | Asphalt Storage Tank, TK-3 | Fixed Roof | | 1,050,000 gal |
| 8 | Asphalt Storage Tank, TK-4 | Fixed Roof | | 1,050,000 gal |
| 9 | Naphtha Storage Tank, TK-7 | Internal Floating Roof | | 571,200 gal |
| 12 | Tank #6 – Wastewater Tank | Fixed Roof | | 571,000 gal |
| 13 | Tank 8 – Kerosene Tank | Fixed Roof | | 88,000 gal |
| 14 | Truck Loading Racks - Naphtha | | | 1 pump, 2 nozzles |
| 15 | Truck Loading Racks - Gas Oil | | | 1 pump, 2 nozzles |
| 16 | Truck Loading Racks - Kerosene or Distillate Oil | | | 1 pump, 2 nozzles |
| 17 | Truck Loading Racks - Asphalt | | | 3 pumps, 4 nozzles |
| 18 | Crude Unit including atmospheric tower, vacuum tower, and KD stripper tower | | | 18,000 barrels/day |
| 19 | Vacuum Heater (natural gas, asphalt plant refinery fuel gas) | | | 40 MMbtu/hr |
| 20 | Steam Boiler (natural gas) | | | 15 MMbtu/hr |
| 21 | Steam Boiler H-2 B (natural gas) | | | 14.7 MMbtu/hr |
| 23 | Crude Storage Tank 10B | External Floating Roof | | 1,382,000 gal |
| 24 | Hot Oil Heater, H-3 (natural gas) | | | 9 MMbtu/hr |
| 25 | Effluent Water Feed Tank, TK-11A | Fixed Roof | | 88,200 gal |
| 26 | Wastewater Oil Tank, TK-13 | Fixed Roof | | 3800 gal |
| 27 | Recovered Oil Tank, TK-12A | Fixed Roof | | 1260 gal |
| 28 | Effluent Water Feed Tank, TK-11B | Fixed Roof | | 88,000 gal |

# II. Equipment

## Table II A - Permitted Sources

Each of the following sources has been issued a permit to operate pursuant to the requirements of BAAQMD Regulation 2, Permits. The capacities in this table are the maximum allowable capacities for each source, pursuant to Standard Condition I.J and Regulation 2-1-301.

| S# | Description | Make or Type | Model | Capacity |
|---|---|---|---|---|
| 29 | Naphtha Merox Treater, 950 Bbls/Day, UOP | | | 950 bbls/day |
| 30 | Marine Loading Dock (Report ONLY loading ONTO vessels) | | | 2 pumps, 2 nozzles |
| 31 | Rail Car Asphalt and Gas Oil Loading Rack, five Spots | | | 1 nozzle |
| 34 | Tank Heater, H-5 (natural gas) | | | 5.9 MMbtu/hr |
| 37 | Rubberized Asphalt Sales Tank, TK-54 | Fixed Roof | | 100,000 gal |
| 38 | Rubberized Asphalt Sales Tank, TK-55 | Fixed Roof | | 100,000 gal |
| 39 | Lube Oil Tank, Tk-503 | CE | | 18,900 gal |
| 40 | Latex Storage Tank, Tk-504 | CE | | 16,800 gal |
| 41 | Wemco Hydrocleaner | | | 5,000 bbl/day |
| 51 | Sales Tank – Asphalt Liquid, Tank 506 | Fixed Roof | | 152,880 gal |
| 52 | Sales Tank – Asphalt Liquid | Fixed Roof | | 152,880 gal |
| 53 | Sales Tank – Asphalt Liquid | Fixed Roof | | 152,880 gal |
| 54 | Asphalt Loading Rack | | | 3 pumps, 4 nozzles |
| 59 | Tank #5 – Gas oil Fixed Roof Storage Tank | Fixed Roof | | 1,050,000 gal |
| 60 | Asphalt Tank #505 | Fixed Roof | | 15,000 gal |
| 61 | Asphalt Tank 30A | Fixed Roof | | 995,400 gal |
| 62 | Asphalt Tank 30B | Fixed Roof | | 995,400 gal |
| 63 | Tank 31 KERO/LVGO/HVGO/Asphalt Tank | Fixed Roof | | 1,218,000 gal |
| 65 | Asphalt Tank, Tank 32 | Fixed Roof | | 6,920,000 gal |
| 66 | Oil Water Separator | | | 210 gal/min |
| 67 | Recovered Oil Tank, TK-12B | Fixed Roof | | 5875 gal |
| 68 | Emergency Diesel-powered Firewater Pump (P-4645) | | | 215 hp |
| 69 | Asphalt Additive Loading Bin | Open Top | | 96 cubic feet |
| 70 | Asphalt Additive Mixing Tank | Fixed Roof | | 2,200 gal |

# II. Equipment

## Table II B – Abatement Devices

| A-# | Description | Source(s) Controlled | Applicable Requirement | Operating Parameters | Limit or Efficiency |
|---|---|---|---|---|---|
| A1 | Koch Mist Eliminator (F-8) | S5-S8, S25, S41, S59, S66 | None | None | None |
| A2 | Mist Eliminator (F-9) | S17 | None | None | None |
| A3 | Mist Eliminator (F-10) | S3, S5-S8, S13, S25, S37, S38, S41, S51-S54, S59, S60-S63, S65, S66, S70 | None | None | None |
| A4 | Thermal Oxidizer (6.5 MMbtu/hr) | S17 | Regulation 6-301 | temperature | Ringelmann 1 for < 3 minutes/hr |
| | | S17 | Regulation 6-310 | temperature | 0.15 gr/dscf |
| | | S14, S15 | BAAQMD 8-6-301 | Temperature | 0.17 pounds organic compounds per 1,000 gallons |
| | | S14, S15, S17, A2 | BAAQMD Condition #1240, Part I.14 | temperature | Emissions of NMHC < 49.345 tons per year excluding marine emissions |
| | | S14 | BAAQMD Condition #1240, Part II.60 | Temperature | 98.5% destruction |

# II. Equipment

## Table II B – Abatement Devices

| A-# | Description | Source(s) Controlled | Applicable Requirement | Operating Parameters | Limit or Efficiency |
|---|---|---|---|---|---|
| A4 | Thermal Oxidizer (6.5 MMbtu/hr) | S15 | BAAQMD Condition #1240, Part II.63 | Temperature | 98.5% destruction |
| | | S17 | BAAQMD Condition #1240, Part II.68 | Temperature | 98.5% destruction |
| A6 | Mist Eliminator | S31 | None | None | None |
| A20 | Mist Eliminator F500 | S3, S13, S37, S38, S51-S53, S54, S60-S63, S65, S70 | None | None | None |
| A21 | Carbon Canister | S27 | 40 CFR 61.349(a)(2)(ii) | None | 95% control of VOC or 98% control of benzene |
| A22 | Carbon Canister | S27 | 40 CFR 61.349(a)(2)(ii) | None | 95% control of VOC or 98% control of benzene |
| A23 | Carbon Canister | S26 | 40 CFR 61.349(a)(2)(ii) | None | 95% control of VOC or 98% control of benzene |
| A24 | Carbon Canister | S26 | 40 CFR 61.349(a)(2)(ii) | None | 95% control of VOC or 98% control of benzene |
| A31 | Thermal Oxidizer (3.5 MMbtu/hr) | S5-S8, S31, S37, S38, S51-S54, S60-S62, S65, S70 | BAAQMD 6-301 | Temperature | Ringelmann 1 for < 3 minutes/hr |

# II. Equipment

## Table II B – Abatement Devices

| A-# | Description | Source(s) Controlled | Applicable Requirement | Operating Parameters | Limit or Efficiency |
|---|---|---|---|---|---|
| A31 | Thermal Oxidizer (3.5 MMbtu/hr) | S5-S8, S31, S37, S38, S51-S54, S60-S62, S65, S70 | BAAQMD 6-310 | temperature | 0.15 gr/dscf |
| | | S13, S59, S63 | BAAQMD, 8-5-306 | Temperature | 95% control of VOC |
| | | S31 | BAAQMD 8-6-301 | Temperature | 0.17 pounds organic compounds per 1,000 gallons |
| | | S66 | BAAQMD 8-8-301.3 | Temperature | 95% combined collection and destruction efficiency |
| | | S41 | BAAQMD 8-8-307.2 | Temperature | 70% combined collection and destruction efficiency |
| | | S13, S59, S63 | 40 CFR 60.112b(a)(3)(ii) | Temperature | 95% control of inlet VOC |
| | | S5-S8, S37, S38, S51-S53, S60, S61, S62, S65, S66, S70 | 40 CFR 60.472(c) | Temperature | 0 percent opacity except for one consecutive 15-min period in any 24-hr period for cleaning |

# II. Equipment

## Table II B – Abatement Devices

| A-# | Description | Source(s) Controlled | Applicable Requirement | Operating Parameters | Limit or Efficiency |
|---|---|---|---|---|---|
| A31 | Thermal Oxidizer (3.5 MMbtu/hr) | S12, S25, S28, S41, S67 | 40 CFR 61.349(a)(2)(i)(A) | Temperature | 95% control of inlet VOC |
| | | S3, S5-S8, S12, S13, S25, S28, S31, S37, S38, S41, S51-S54, S59, S60-S63, S65, S66, S67, S70, A1, A3, A6, A20 | BAAQMD Condition #1240, Part I.14 | temperature | Emissions of NMHC < 49.345 tons per year excluding marine emissions |
| A31 | Thermal Oxidizer | S13 | BAAQMD Condition #1240, Part II.32a | Temperature | 98.5% control of inlet VOC by weight |
| | | S59 | BAAQMD Condition #1240, Part II.32b | Temperature | 98.5% control of inlet VOC by weight |
| | | S63 | BAAQMD Condition #1240, Part II.32c | Temperature | 98.5% control of inlet VOC by weight |
| A31 | Thermal Oxidizer | S3 | BAAQMD Condition #1240, Part II.43 | Temperature | 98.5% destruction |
| | | S5-S8, S37, S38, S70 | BAAQMD Condition #1240, Part II.55 | Temperature | 98.5% destruction |

# II. Equipment

## Table II B – Abatement Devices

| A-# | Description | Source(s) Controlled | Applicable Requirement | Operating Parameters | Limit or Efficiency |
|---|---|---|---|---|---|
| A31 | Thermal Oxidizer (3.5 MMbtu/hr) | S51-S53, S60 | BAAQMD Condition #1240, Part II.56 | Temperature | 98.5% destruction |
| | | S65 | BAAQMD Condition #1240, Part II.56 | temperature | 98.5% destruction |
| | | S31 | BAAQMD Condition 1240, Part II.69 | Temperature | 98.5% destruction |
| | | S61, S62 | BAAQMD Condition #1240, Part II.57 | Temperature | 98.5% destruction |
| | | S54 | BAAQMD Condition #1240, Part II.70 | Temperature | 98.5% destruction |
| A31 | Thermal Oxidizer | S66 | BAAQMD Condition #1240, Part II.85 | Temperature | 98.5% destruction |
| A44 | Off Gas Caustic Scrubber | S18 | None | None | None |
| A45 | Off Gas Caustic Scrubber | A44 | BAAQMD Condition 1240, Part I.ll | None | H2S concentration < 163 ppmv, dry, 3 hour average |
| A45 | Off Gas Caustic Scrubber | A44 | BAAQMD Condition 1240, Part I.l2 | None | H2S concentration < 10 ppmv, dry, 24 hour average |

# II. Equipment

## Table II B – Abatement Devices

| A-# | Description | Source(s) Controlled | Applicable Requirement | Operating Parameters | Limit or Efficiency |
|---|---|---|---|---|---|
| S19 | Vacuum Heater (natural gas, refinery gas) | S18, S32, A44, A45 | BAAQMD Condition #1240, Part I.14 | None | Emissions of NMHC < 49.345 tons per year excluding marine emissions |
| | | S18 | BAAQMD Condition #1240, Part I.3 | None | 98.5% destruction |
| S19 | Vacuum Heater | S18 | 40 CFR 63.643(a)(2) | None | 98% destruction of organic HAPs or concentration of 20 ppmv, @ 3% O2, dry |
| S24 | Hot Oil Heater | S5-S8, S37, S38, S51-S54, S60-S62, S65, S70 | BAAQMD 6-301 | Temperature | Ringelmann 1 for < 3 minutes/hr |
| | | S5-S8, S37, S38, S51-S54, S60-S62, S65, S70 | BAAQMD 6-310 | temperature | 0.15 gr/dscf |
| S24 | Hot Oil Heater | S13, S59, S63 | BAAQMD 8-5-306 | Temperature | 95% control of VOC |
| S24 | Hot Oil Heater | S66 | BAAQMD 8-8-301.3 | Temperature | 95% combined collection and destruction efficiency |

# II. Equipment

## Table II B – Abatement Devices

| A-# | Description | Source(s) Controlled | Applicable Requirement | Operating Parameters | Limit or Efficiency |
|---|---|---|---|---|---|
| S24 | Hot Oil Heater | S41 | BAAQMD 8-8-307.2 | Temperature | 70% combined collection and destruction efficiency |
| | | S13, S59, S63 | 40 CFR 60.112b(a)(3)(ii) | Temperature | 95% control of inlet VOC |
| | | S5-S8, S37, S38, S51-S53, S60, S61, S62, S65, S70 | 40 CFR 60.472(c) | Temperature | 0 percent opacity except for one consecutive 15-min period in any 24-hr period for cleaning |
| S24 | Hot Oil Heater | S12, S25, S28, S41, S66, S67 | 40 CFR 61.349(a)(2)(i)(A) | Temperature | 95% control of inlet VOC |
| S24 | Hot Oil Heater | S3, S5-S8, S12, S13, S25, S28, S37, S38, S41, S51-S53, S59, S60-S62, S63, S65, S66, S67, S70, A1, A3, A20 | BAAQMD Condition #1240, Part I.14 | temperature | Emissions of NMHC < 49.345 tons per year excluding marine emissions |
| S24 | Hot Oil Heater | S13 | BAAQMD Condition #1240, Part II.32a | Temperature | 98.5% control of inlet VOC by weight |

# II. Equipment

## Table II B – Abatement Devices

| A-# | Description | Source(s) Controlled | Applicable Requirement | Operating Parameters | Limit or Efficiency |
|---|---|---|---|---|---|
| S24 | Hot Oil Heater | S59 | BAAQMD Condition #1240, Part II.32b | Temperature | 98.5% control of inlet VOC by weight |
| | | S63 | BAAQMD Condition #1240, Part II.32c | Temperature | 98.5% control of inlet VOC by weight |
| | | S3 | BAAQMD Condition #1240, Part II.43 | Temperature | 98.5% destruction |
| | | S5-S8, S37, S38, S70 | BAAQMD Condition #1240, Part II.55 | Temperature | 98.5% destruction |
| S24 | Hot Oil Heater | S51-S53, S60, S65 | BAAQMD Condition #1240, Part II.56 | Temperature | 98.5% destruction |
| | | S61, S62 | BAAQMD Condition #1240, Part II.57 | Temperature | 98.5% destruction |
| | | S54 | BAAQMD Condition #1240, Part II.70 | Temperature | 98.5% destruction |
| | | S66 | BAAQMD Condition #1240, Part II.85 | Temperature | 98.5% destruction |

# 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.

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
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 included in Appendix A of this permit.

**NOTE:**

There are differences between the current BAAQMD rules and the version 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.

**Generally Applicable Requirements**

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) |
|---|---|---|
| BAAQMD Regulation 1 | General Provisions and Definitions (5/2/01) | N |
| SIP Regulation 1 | General Provisions and Definitions (6/28/99) | Y |
| BAAQMD Regulation 2, Rule 1 | General Requirements (8/1/01) | N |
| SIP Regulation 2, Rule 1 | General Requirements (1/26/99) | Y |
| BAAQMD Regulation 4 | Air Pollution Episode Plan (3/20/91) | N |
| SIP Regulation 4 | Air Pollution Episode Plan (8/6/90) | Y |
| BAAQMD Regulation 5 | Open Burning (3/6/02) | N |
| SIP Regulation 5 | Open Burning (9/4/98) | Y |
| BAAQMD Regulation 6 | Particulate Matter and Visible Emissions (12/19/90) | Y |
| BAAQMD Regulation 7 | Odorous Substances (3/17/82) | N |

# III. Generally Applicable Requirements

## Generally Applicable Requirements

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) |
|---|---|---|
| BAAQMD Regulation 8, Rule 1 | Organic Compounds - General Provisions (6/15/94) | Y |
| BAAQMD Regulation 8, Rule 2 | Organic Compounds – Miscellaneous Operations (6/15/94) | Y |
| BAAQMD Regulation 8, Rule 3 | Organic Compounds - Architectural Coatings (11/21/01) | N |
| SIP Regulation 8, Rule 3 | Organic Compounds - Architectural Coatings (12/18/98) | Y |
| BAAQMD Regulation 8, Rule 4 | Organic compounds - General Solvent and Surface Coating Operations (10/16/02) | N |
| SIP Regulation 8, Rule 4 | Organic compounds - General Solvent and Surface Coating Operations (12/23/97) | Y |
| BAAQMD Regulation 8, Rule 49 | Organic Compounds - Aerosol Paint Products (12/20/95) | N |
| SIP Regulation 8, Rule 49 | Organic Compounds - Aerosol Paint Products (3/22/95) | Y |
| BAAQMD Regulation 8, Rule 51 | Organic Compounds - Adhesive and Sealant Products (7/17/02) | N |
| SIP Regulation 8, Rule 51 | Organic Compounds - Adhesive and Sealant Products (2/26/02) | Y |
| BAAQMD Regulation 11, Rule 2 | Hazardous Pollutants - Asbestos Demolition, Renovation and Manufacturing (10/7/98) | N |
| BAAQMD Regulation 12, Rule 4 | Miscellaneous Standards of Performance - Sandblasting (7/11/90) | N |
| SIP Regulation 12, Rule 4 | Miscellaneous Standards of Performance - Sandblasting (9/2/81) | Y |
| 40 CFR Part 61, Subpart M | National Emission Standards for Hazardous Air Pollutants – National Emission Standard for Asbestos (6/19/95) | Y |
| EPA Regulation 40 CFR 82 | Protection of Stratospheric Ozone (2/21/95) | |
| Subpart F, 40 CFR 82.156 | Leak Repair | Y |
| Subpart F, 40 CFR 82.161 | Certification of Technicians | Y |
| Subpart F, 40 CFR 82.166 | Records of Refrigerant | Y |
| Subpart H, 40 CFR 82.270(b) | Prohibitions, Halon | 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 parenthesis 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
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 included in Appendix A of this permit. All other text may be found in the regulations themselves.

**Table IV - A**
**General Asphalt Plant Requirements**

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| **BAAQMD · Regulation 1** | **General Provisions and Definitions (05/02/2001)** | | |
| 1-301 | Public Nuisance Prohibition | N | |
| 1-510 | Area Monitoring | Y | |
| 1-530 | Area Monitoring Downtime | Y | |
| 1-540 | Area Monitoring Data Examination | Y | |
| 1-542 | Area Concentration Excesses | Y | |
| 1-543 | Record Maintenance for Two Years | Y | |
| 1-544 | Monthly Summary | Y | |
| **BAAQMD Regulation 2, Rule 1** | **General Requirements (8/1/01)** | | |
| 2-1-429 | Federal Emissions Statement | N | |
| **BAAQMD Regulation 8, Rule 5** | **Storage of Organic Liquids (11/27/02)** | | |
| 8-5-328 | Tank degassing requirements | Y | |

# IV. Source Specific Applicable Requirements

## Table IV - A
## General Asphalt Plant Requirements

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| 8-5-328.1.2 | An approved Emission Control system | Y | |
| 8-5-328.2 | Degassing when ozone excesses are predicted | Y | |
| 8-5-404 | Certification | Y | |
| 8-5-502 | Tank degassing annual source test requirement | Y | |
| 8-5-602 | Analysis of Samples, True Vapor Pressure | Y | |
| 8-5-603 | Determination of Emissions | Y | |
| 8-5-603.2 | Source tests for tank degassing equipment | Y | |
| 8-5-604 | Determinations of Applicability | Y | |
| 8-5-605 | Pressure-Vacuum Valve Gas Tight Determination | Y | |
| **BAAQMD Regulation 8, Rule 8** | **Wastewater (Oil-Water) Separators (6/15/94)** | | |
| 8-8-308 | Junction Box | Y | |
| **BAAQMD Regulation 8, Rule 28** | **Episodic Releases from Pressure Relief Devices at Petroleum Refineries and Chemical Plants (3/18/98)** | | |
| 8-28-302 | Pressure Relief Devices at New or Modified Sources at Petroleum Refineries | N | |
| 8-28-304 | Repeat Release – Pressure Relief Devices at Petroleum Refineries | | |
| **SIP Regulation 8, Rule 28** | **Pressure Relief Valves at Petroleum Refineries and Chemical Plants (12/9/94)** | | |
| 8-28-302 | Pressure Relief Devices at New or Modified Sources at Petroleum Refineries | Y[1] | |
| **BAAQMD · Regulation 9, Rule 1** | **Inorganic Gaseous Pollutants, Sulfur Dioxide Emissions Limitations (3/15/95)** | | |
| 9-1-110 | Conditional Exemption, Area Monitoring | Y | |
| 9-1-301 | Limitations on Ground Level Concentrations | Y | |
| 9-1-302 | General Emission Limitation (applies only when area monitoring for SO2 is not in compliance) | Y | |
| 9-1-313 | Sulfur Removal Operations at Petroleum Refineries | N | |
| 9-1-313.2 | Sulfur Removal and Recovery System | N | |
| 9-1-501 | Area Monitoring Requirements | Y | |
| 9-1-604 | Ground Level Monitoring | Y | |
| **SIP Regulation 9, Rule 1** | **Inorganic Gaseous Pollutants, Sulfur Dioxide Emissions Limitations (6/8/99)** | | |

# IV. Source Specific Applicable Requirements

## Table IV - A
## General Asphalt Plant Requirements

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| 9-1-313 | Sulfur Removal Operations at Petroleum Refineries | Y[1] | |
| 9-1-313.2 | Sulfur Removal and Recovery System | Y[1] | |
| **BAAQMD · Regulation 9, Rule 2** | **Inorganic Gaseous Pollutants, Hydrogen Sulfide (10/6/99)** | | |
| 9-2-110 | Exemptions | N | |
| 9-2-301 | Limitations on Hydrogen Sulfide | N | |
| 9-2-501 | Area Monitoring Requirements | N | |
| 9-2-601 | Ground Level Monitoring | N | |
| **BAAQMD Manual of Procedures, Volume VI** | **Air Monitoring Procedures (7/20/94)** | N | |
| **SIP Manual of Procedures, Volume VI** | **Air Monitoring Procedures (5/3/84)** | Y | |
| **40 CFR 60 Subpart A** | **General Provisions (03/16/1994)** | | |
| 60.1 | Applicability | Y | |
| 60.2 | Definitions | Y | |
| 60.3 | Units and Abbreviations | Y | |
| 60.4 | Address | Y | |
| 60.5 | Determination of Construction or Modification | Y | |
| 60.6 | Review of Plans | Y | |
| 60.7 | Notification and Recordkeeping | Y | |
| 60.8 | Performance Tests | Y | |
| 60.9 | Availability of Information | Y | |
| 60.11 | Compliance with Standards and Maintenance Requirements | Y | |
| 60.12 | Circumvention | Y | |
| 60.13 | Monitoring Requirements | Y | |
| 60.14 | Modification | Y | |
| 60.15 | Reconstruction | Y | |
| 60.17 | Incorporated by Reference | Y | |
| 60.19 | General Notification and Reporting Requirements | Y | |
| **40 CFR 61 Subpart A** | **National Emission Standards for Hazardous Air Pollutants, General Provisions (3/31/71)** | | |
| 61.01 | Lists of Pollutants and Applicability of Part 61 | Y | |

# IV. Source Specific Applicable Requirements

## Table IV - A
## General Asphalt Plant Requirements

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| 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 | |
| 61.12 | Compliance with Standards and Maintenance Requirements | Y | |
| 61.13 | Emission Tests and Waiver of Emission Tests | Y | |
| 61.14 | Monitoring requirements | Y | |
| 61.15 | Modification | Y | |
| 61.18 | Incorporation by reference | Y | |
| 61.19 | Circumvention | Y | |
| **40 CFR 61 Subpart FF** | **National Emission Standards for Hazardous Air Pollutants, Benzene Waste Operations (01/07/1993)** | | |
| 61.340(a) | Applicability: Chemical Manufacturing, Coke by-product recovery, petroleum refineries | Y | |
| 61.340(c) | Applicability: Exempt Waste | Y | |
| 61.340(d) | Exemption for gaseous streams vented to fuel gas system | Y | |
| 61.341 | Definitions | Y | |
| 61.342 | Standards: General | Y | |
| 61.342(a) | Requirements for facilities < 10 tons benzene/year | Y | |
| 61.342(b) | Standards: General; Request for waiver of compliance | Y | |
| 61.342(c)(1) | Standards: General; Treat 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 treatment units operated in accordance with 61.342(c)(1)(i) | Y | |
| 61.342(c)(1)(iii) | Standards: General; Comply with 61.343 through 61.347 for treatment units for recycled wastes. Recycled wastes subject to 61.342(c) | Y | |
| 61.342(e) | Standards: General; Alternative to 61.342(c) and 61.342(d) | Y | |
| 61.342(e)(1) | Standards: General; Treat waste with a flow-weighted annual average water content of less than 10% per 61.342(c)(1) | Y | |
| 61.342(e)(2) | Standards: General; Treatment of waste with a flow-weighted annual average water content of 10% or more by volume. | Y | |

# IV. Source Specific Applicable Requirements

## Table IV - A
## General Asphalt Plant Requirements

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| 61.342(e)(2)(i) | Standards: General; [Uncontrolled] 61.342(e)(2) Waste shall not contain more than 6.0 Mg/yr benzene. | Y | |
| 61.342(e)(2)(ii) | Standards: General; Determine 61.342(e)(2) benzene quality per 61.355(k). | Y | |
| 61.342(g) | Compliance using review of facility records, results of tests and inspections | Y | |
| 61.345(a) | Standards: Containers | Y | |
| 61.345(a)(1) | Standards: Containers--Covers | Y | |
| 61.345(a)(1)(ii) | Standards: Containers--Openings | Y | |
| 61.345(a)(2) | Standards: Containers--Waste Transfer | Y | |
| 61.345(b) | Standards: Containers--Quarterly inspection | Y | |
| 61.345(c) | Standards: Containers--Repairs | Y | |
| 61.346(b) | Alternate compliance provisions for Individual Drain Systems | Y | |
| 61.346(b)(1) | Water seals on drains | Y | |
| 61.346(b)(2) | Cover and vent pipe | Y | |
| 61.346(b)(2)(i) | Tight seals on junction boxes | Y | |
| 61.346(b)(2)(ii) | Control of emissions from junction box vent pipe | Y | |
| 61.346(b)(2)(ii)(A) | Prevention of flow of vapors from junction box vent pipe | Y | |
| 61.346(b)(3) | No cracks on exposed sewer lines | Y | |
| 61.346(b)(4) | Equipment Inspections | Y | |
| 61.346(b)(4)(i) | Monitor water seals on drains quarterly | Y | |
| 61.346(b)(4)(iii) | Monitor seals on junction boxes quarterly | Y | |
| 61.346(b)(4)(iv) | Monitor for cracks on exposed sewer lines quarterly | Y | |
| 61.346(b)(5) | Repair as soon as practicable but no later than 15 days after identification | Y | |
| 61.348(a) | Requirements for treatment of waste streams | Y | |
| 61.348(a)(5) | Aggregation of process wastewater, product tank drawdown, or landfill leachate | Y | |
| 61.348(b) | Requirements for facilities that aggregate process wastewater, product tank drawdown, and/or landfill leachate | Y | |
| 61.350 | Delay of repair | Y | |
| 61.355 | Test Methods, Procedures, and Compliance Provisions | Y | |

# IV. Source Specific Applicable Requirements

## Table IV - A
## General Asphalt Plant Requirements

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| 61.355(a) | Determination of total annual benzene quantity from facility waste | Y | |
| 61.355(a)(1) | Waste streams containing more than 10% water | Y | |
| 61.355(a)(2) | Calculation of total annual benzene quantity from facility waste | Y | |
| 61.355(a)(3) | Requirements if annual benzene quantity is greater than 11 ton/yr | Y | |
| 61.355(a)(6) | Benzene quantity from streams generated less than once per year | Y | |
| 61.355(b) | Determine annual waste quantity at point of generation | Y | |
| 61.355(b)(1) | Determination of annual waste quantity for sour water streams | Y | |
| 61.355(b)(7) | Measurements must be representative of maximum waste generation rate | Y | |
| 61.355(c) | Determination of flow-weighted annual average benzene concentration | | |
| 61.355(c)(1) | Criteria for determination of flow-weighted annual average benzene concentration | Y | |
| 61.355(c)(1)(i) | Determination made at point of waste generation | Y | |
| 61.355(c)(1)(i)(A) | Determination for sour water streams | Y | |
| 61.355(c)(1)(ii) | Volatilization of benzene by exposure to air shall not be used in determination | Y | |
| 61.355(c)(1)(iii) | Mixing or diluting the waste stream shall not be used in determination | Y | |
| 61.355(c)(1)(iv) | Determination shall be made prior to treatment | Y | |
| 61.355(c)(1)(v) | Determination for mixed-phase wastes | Y | |
| 61.355(c)(2) | Knowledge of the waste | Y | |
| 61.355(c)(3) | Measurements of benzene concentration | Y | |
| 61.355(k) | Determination of benzene quantity for purposes of calculation | Y | |
| 61.355(k)(1) | Waste streams not controlled for air emissions | Y | |
| 61.355(k)(2 | Waste streams controlled for air emissions | Y | |
| 61.355(k)(3) | Waste streams generated less than once per year | Y | |
| 61.355(k)(5) | Determination of benzene quantity in waste streams controlled for air emissions | Y | |
| 61.355(k)(6) | Calculation of total benzene quantity | Y | |
| 61.356 | Recordkeeping Requirements | Y | |
| 61.356(a) | Recordkeeping and retention requirements | Y | |
| 61.356(b) | Waste stream records | Y | |
| 61.356(b)(4) | Waste stream records for controlled waste streams | Y | |
| 61.356(d) | Recordkeeping Requirements: Control equipment engineering design | Y | |
| 61.356(e) | Recordkeeping Requirements: Treatment process or unit per 61.348 | Y | |

# IV. Source Specific Applicable Requirements

## Table IV - A
## General Asphalt Plant Requirements

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| 61.356(f) | Recordkeeping Requirements: Closed vent system and control device per 61.349--retain for life of device | Y | |
| 61.356(g) | Recordkeeping Requirements: Visual inspection 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 | |
| 61.356(i) | Recordkeeping Requirements: Treatment process or unit per 61.348 | Y | |
| 61.356(j) | Recordkeeping Requirements: Control device operation | Y | |
| 61.357 | Reporting Requirements | Y | |
| 61.357(a)(1) | Reporting of total annual benzene quantity from facility waste | Y | |
| 61.357(a)(2) | Table identifying each waste stream and whether controlled | Y | |
| 61.357(a)(3) | Information for uncontrolled streams | Y | |
| 61.357(d) | Reporting Requirements: Facilities with 10 Mg/yr or more total benzene in waste | Y | |
| 61.357(d)(2) | Annual reports | Y | |
| 61.357(d)(5) | Reports of compliance with alternative requirements | Y | |
| 61.357(d)(6) | Quarterly certifications | Y | |
| 61.357(d)(7) | Quarterly reports | Y | |
| 61.357(d)(7)(iv) | Reports of deviations at control devices | Y | |
| 61.357(d)(7)(iv)(A) | Reports of periods of temperatures of 28$^{o}$C. or more below design combustion zone temperature for thermal vapor incinerators | Y | |
| 61.357(d)(7)(iv)(C) | Reports of periods of temperatures of 28$^{o}$C. or more below design combustion zone temperature for boiler or process heater less than 150 MMbtu/hr | Y | |
| 61.357(d)(7)(iv)(G) | Reports of change of location at which vent stream introduced into flame zone | Y | |
| 61.357(d)(7)(iv)(I) | Reports of carbon not replaced at predetermined interval | Y | |
| 61.357(d)(8) | Reports of summary of all inspections | Y | |
| 61.357(e) | Reporting Requirements for 61.351 and 61.352 equipment | Y | |
| 61.357(f) | Reporting Requirements for 61.351 control equipment | Y | |
| **40 CFR 63 Subpart A** | **General Provisions of MACT Standards (03/16/1994)** | | |
| 63.1(a)(1) | Terms used throughout this part are defined in section 63.2 | Y | |
| 63.1(a)(2) | This part contains NESHAPS pursuant to Section 112 of Federal Clean Air Act. These NESHAPS are independent of NESHAPS in 40 CFR 61. | Y | |
| 63.1(a)(3) | Emission standard in this part does not replace a more stringent standard in another rule. | Y | |
| 63.1(a)(11) | Submittal postmarked within required timeframe is sufficient. | Y | |

# IV. Source Specific Applicable Requirements

## Table IV - A
## General Asphalt Plant Requirements

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| 63.1(a)(12) | Time periods may be extended if mutually agreed upon, as allowed under 63.9(i) | Y | |
| 63.2 | Definitions | Y | |
| 63.4(a)(1) | Sources may not operate in violation, unless an extension or exemption has been obtained | Y | |
| 63.4(a)(2) | Recordkeeping and reporting requirements must be met | Y | |
| 63.4(b) | Circumvention | Y | |
| 63.4(c) | Fragmentation | Y | |
| 63.5(a) | Construction and reconstruction applicability | Y | |
| 63.5(a)(1) | Construction and Reconstruction applicability | Y | |
| 63.5(a)(2) | Construction and Reconstruction-effective date | Y | |
| 63.5(b)(1) | Upon construction or reconstruction, subject to standards for new sources | Y | |
| 63.5(b)(3) | Prior written approval of administrator required before constructing or reconstructing | Y | |
| 63.5(b)(4) | Construction and Reconstruction-notification to administrator | Y | |
| 63.5(b)(5) | Construction and Reconstruction-compliance with 40 CFR 63, Subpart A | Y | |
| 63.5(b)(6) | Equipment added to affected source becomes part of affected source, and is subject to relevant standards for source | Y | |
| 63.5(d)(1) | General Application Requirements | Y | |
| 63.5(d)(1)(i) | Application for approval of construction and reconstruction | Y | |
| 63.5(d)(1)(ii) | Separate applications for each construction or reconstruction | Y | |
| 63.5(d)(1)(iii) | Submittal of estimates | Y | |
| 63.5(d)(3) | Application for approval of reconstruction | Y | |
| 63.5(d)(4) | Additional information | Y | |
| 63.5(e) | Approval of construction or reconstruction | Y | |
| 63.5(f)(1) | Approval of construction or reconstruction based on local pre-construction review | Y | |
| 63.5(f)(2) | Construction and Reconstruction-submittal of request to Administrator | Y | |
| 63.6(a) | Compliance with Standards and Maintenance Requirements-applicability | Y | |
| 63.6(b)(3) | Compliance date for sources constructed between proposal and promulgation date for standard | Y | |
| 63.6(e) | Operation and Maintenance Requirements | Y | |
| 63.6(f)(1) | Compliance with non-opacity emission standards - applicability | Y | |
| 63.6(f)(2)(i) | Determination of compliance with non-opacity standard based on performance tests | Y | |
| 63.6(f)(2)(ii) | Determination of compliance with non-opacity standard based on based on conformance with operation and maintenance requirements | Y | |

# IV. Source Specific Applicable Requirements

## Table IV - A
## General Asphalt Plant Requirements

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| 63.6(f)(2)(iii) | Use of startup tests for state requirements | Y | |
| 63.6(f)(2)(iii)(A) | Tests within reasonable time | Y | |
| 63.6(f)(2)(iii)(B) | Tests conducted under representative operating conditions | Y | |
| 63.6(f)(2)(iii)(C) | Use of EPA-approved test procedures | Y | |
| 63.6(f)(2)(iv) | Determine compliance by reviewing records, inspections | Y | |
| 63.6(f)(2)(v) | Determine compliance by evaluation of conformance with operation and maintenance requirements | Y | |
| 63.6(f)(3) | Finding of compliance | Y | |
| 63.6(g) | Use of alternative non-opacity emission standard | Y | |
| 63.6(h)(1) | Compliance with opacity and visible emissions standards-Applicability | Y | |
| 63.6(h)(2) | Methods for determining compliance | Y | |
| 63.6(h)(6) | Availability of records | Y | |
| 63.6(i) | Extension of compliance with emission standards | Y | |
| 63.6(j) | Exemption from compliance with emission standard | Y | |
| 63.7(a)(3) | Administrator may require a performance test | Y | |
| 63.7(d) | Performance testing facilities. | Y | |
| 63.7(e)(1) | Performance Testing Requirements-conduct of performance tests | Y | |
| 63.7(e)(2) | Performance Testing Requirements-use of test methods and procedures in 40 CFR 51, 60, 61, or 63 | Y | |
| 63.7(e)(4) | Testing under Section 114 of the Clean Air Act | Y | |
| 63.7(h)(1) | Waiver of performance tests | Y | |
| 63.7(h)(2) | Application for waiver of individual performance test | Y | |
| 63.7(h)(3) | Request to waive a performance test | Y | |
| 63.7(h)(5) | Administrator's authority not abrogated | Y | |
| 63.8(b)(1) | Conducting monitoring | Y | |
| 63.8(b)(3) | Using more than one monitoring system to measure emissions. | Y | |
| 63.8(c)(1) | Monitoring Requirements | Y | |
| 63.8(c)(1)(i) | Permit holder shall keep necessary parts to repair "routine" malfunctions, as identified in malfunction plan, per 63.6(e)(3) | Y | |
| 63.8(c)(1)(iii) | Applicable operation and maintenance procedures | Y | |
| 63.8(c)(2) | Monitoring systems shall measure representative emissions, parameters. | Y | |
| 63.8(c)(3) | Monitors shall be installed prior to, or in conjunction with, performance tests under 63.7 | Y | |
| 63.8(f)(1) | Use of alternative monitoring method | Y | |
| 63.8(f)(2) | Administrator may approve alternative monitoring upon written request | Y | |

# IV. Source Specific Applicable Requirements

## Table IV - A
## General Asphalt Plant Requirements

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| 63.8(f)(3) | If administrator has reasonable grounds to dispute results of alternative monitoring, the administrator may require specific monitoring | Y | |
| 63.8(f)(4)(ii) | Requirements for application for alternative monitoring | Y | |
| 63.8(f)(4)(ii) | Administrator may establish procedures and criteria | Y | |
| 63.8(f)(5)(i) | Notification of approval of alternative monitoring | Y | |
| 63.8(f)(5)(iii) | Use of alternative monitoring until Administrator approves other monitoring | Y | |
| 63.9(a) | Notification requirements – applicability and general information | Y | |
| 63.9(b)(4) | Notification Requirements for new or reconstructed source with initial startup date after effective date of relevant standard | Y | |
| 63.9(b)(5) | Notification Requirements for construction of new source or reconstruction of existing source subject to standard | Y | |
| 63.9(c) | Request for extension of compliance | Y | |
| 63.9(d) | Notification that source is subject to special compliance requirements | Y | |
| 63.9(i) | Adjustments to time periods or postmark deadlines for submittal and review of required communications | Y | |
| 63.10(a) | Recordkeeping and reporting - applicability and general information. | Y | |
| 63.10(b)(2)(i) | Records of startup, shutdown, or malfunction of operation. | Y | |
| 63.10(b)(2)(ii) | Records of malfunction of air pollution control equipment | Y | |
| 63.10(b)(2)(iv) | Record of actions deviating from startup, shutdown, and malfunction plan. | Y | |
| 63.10(b)(2)(v) | Records to determine conformance with startup, shutdown, and malfunction plan. | Y | |
| 63.10(b)(2)(x) | Records of monitoring system calibration checks. | Y | |
| 63.10(b)(2)(xi) | Records of monitoring system adjustments and maintenance | Y | |
| 63.10(d)(4) | Progress reports for extension of compliance | Y | |
| 63.10(d)(5)(i) | Periodic startup, shutdown, and malfunction reports. | Y | |
| 63.10(d)(5)(ii) | Immediate startup, shutdown, and malfunction reports. | Y | |
| 63.10(f) | Waiver of recordkeeping and reporting requirements | Y | |
| 63.11 | Control Device Requirements | Y | |
| 63.12 | State Authority and Delegation | Y | |
| 63.13 | Addresses of EPA Regional Office | Y | |
| 63.14 | Incorporation by Reference | Y | |
| 63.15 | Availability of Information and Confidentiality | Y | |

# IV. Source Specific Applicable Requirements

## Table IV - A
## General Asphalt Plant Requirements

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| **40 CFR 63 Subpart CC** | **National Emission Standards for Hazardous Air Pollutants for Petroleum Refineries (06/12/1996)** | | |
| 63.640(a) | Applicability applies to petroleum refining process units and to related emission points. | Y | |
| 63.640(c) | Applicability and Designation of Affected Source--Includes all emission points at Refinery | Y | |
| 63.640(d) | Applicability and Designation of Affected Source--Exclusions | Y | |
| 63.640(f) | Applicability and Designation of Affected Source-miscellaneous process vents | Y | |
| 63.640(g) | Applicability and Designation of Affected Source--Exempt Processes | Y | |
| 63.640(h) | Applicability and Designation of Affected Source--Compliance dates | Y | |
| 63.640(i) | Applicability and Designation of Affected Source--New petroleum refining process unit requirements | Y | |
| 63.640(j) | Applicability and Designation of Affected Source--Changes to existing petroleum refining process units | Y | |
| 63.640(k) | Applicability and Designation of Affected Source--Additional requirements for new or changed sources | Y | |
| 63.640(l) | Applicability and Designation of Affected Source--Additions of equipment (i.e. process vents, storage vessels, etc) in Group 1 sources not subject to 63.640(i) or (k). | Y | |
| 63.640(m) | Applicability and Designation of Affected Source--Changes causing Group 2 emission points to become Group 1 points | Y | |
| 63.640(q) | For overlap of subpart CC with local or State regulations, the permitting authority for the affected source may allow consolidation of the monitoring, recordkeeping, and reporting requirements under this subpart. | Y | |
| 63.641 | Definitions: (arranged alphabetically) Group 1 wastewater stream, Group 2 wastewater stream, miscellaneous process vents (specifically does not include emissions from wastewater collection and conveyance systems). | Y | |
| 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 | |

# IV. Source Specific Applicable Requirements

## Table IV - A
## General Asphalt Plant Requirements

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| 63.642(i) | Existing source owners/operators shall demonstrate compliance with (g) by following procedures in (k) or by following emission averaging compliance approach in (l) for specified emission points and the procedures in (k) for other emission points. | Y | |
| 63.642(k) | Existing source owners/operators may comply, and new sources owners/operators shall comply with the wastewater provisions in 63.647 and comply with 63.654 and is exempt from (g) | Y | |
| 63.647(a) | Comply with 61.340-61.355 (Subpart FF). Owners/operators of Group 1 wastewater streams shall comply with sections 61.340 to 61.355 of part 61, subpart FF for each stream that meets the definition of 63.641. | Y | |
| 63.647(b) | Wastewater Provisions | Y | |
| 63.647(c) | Periodic measurement of benzene concentrations | Y | |
| 63.654(a) | Compliance with in recordkeeping in 40 CFR 61, Subpart FF | Y | |
| 63.654(e) | Periodic Reporting and Recordkeeping Requirements | Y | |
| 63.654(g) | Semi-Annual Reporting and Recordkeeping Requirements | Y | |
| 63.654(h)(1) | Reports of startup, shutdown, and malfunction | Y | |
| 63.654(h)(2) | Notifications of inspections for storage vessels | Y | |
| 63.654(i)(1) | Records for storage vessels | Y | |
| 63.654(i)(4) | Information required by 63.654(h) | Y | |
| Appendix Table 1 | Hazardous Air Pollutants | Y | |
| Appendix Table 6 | Hazardous Air Pollutants | Y | |
| **BAAQMD Condition #1240** | | | |
| Part I.14 | Facility Limits (Cumulative Increase) | Y | |
| Part I.15 | Restriction on use of asphalt plant and asphalt plant wastewater for dust control (cumulative increase) | Y | |
| Part I.18 | NMHC and NOx estimates (Cumulative Increase) | Y | |
| Part I.20 | Notification of startup and shutdown (2-1-403) | N | |
| Part IV.1 | Water seals, P-traps, caps, covers on process water drains (1-301) | N | |

[1]This section has been removed from BAAQMD Regulations because it has been superseded. Nevertheless, the source must comply with this regulation until US EPA has reviewed and approved (or disapproved) the District's revision of the regulation.

# IV. Source Specific Applicable Requirements

## Table IV - B
## Source-specific Applicable Requirements
## S1, S2, S4, S23- CRUDE STORAGE TANKS

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| **BAAQMD Regulation 8, Rule 5** | **Storage of Organic Liquids (11/27/02)** | | |
| 8-5-111 | Limited Exemption, Tank Removal From and Return to Service | Y | |
| 8-5-111.1 | Notice to the APCO | Y | |
| 8-5-111.2 | Compliance before notification | Y | |
| 8-5-111.3 | Continuous and quick filling, emptying and refilling | Y | |
| 8-5-111.5 | Minimization of emissions | Y | |
| 8-5-111.6 | Written notice of completion not required | Y | |
| 8-5-111.7 | Compliance with Section 8-5-328 | Y | |
| 8-5-112 | Limited Exemption, Tanks in Operation | Y | |
| 8-5-112.1 | Notice to the APCO | Y | |
| 8-5-112.2 | Compliance and certification before commencement of work | Y | |
| 8-5-112.3 | No product movement; minimization of emissions | Y | |
| 8-5-112.4 | Exemption does not exceed 7 days | Y | |
| 8-5-301 | Storage Tank Control Requirements (internal floating roof, external floating roof, or approved emission control system) | Y | |
| 8-5-304 | Requirements for External Floating Roofs | Y | |
| 8-5-320 | Tank fitting requirements | Y | |
| 8-5-320.2 | Openings in the floating roof except p/v valves and vacuum breaker vents | Y | |
| 8-5-320.3 | Openings in the floating roof except floating roof legs | Y | |
| 8-5-320.3.1 | Gap limits on gasketed covers, seals, or lids | Y | |
| 8-5-320.4 | Solid sampling or gauging wells and similar fixed projections | Y | |
| 8-5-321 | Primary seal requirements | Y | |
| 8-5-321.1 | No holes, tears, or other openings in the primary seal fabric | Y | |
| 8-5-321.2 | The seal shall be liquid mounted except as provided in 8-5-305.1.3 | Y | |
| 8-5-321.3 | Metallic shoe type seals | Y | |
| 8-5-321.3.1 | Geometry of shoe | Y | |
| 8-5-321.3.2 | Gaps for welded tanks | Y | |
| 8-5-322 | Secondary seal requirements | Y | |
| 8-5-322.1 | No holes, tears, or other openings in the secondary seal | Y | |
| 8-5-322.2 | Insertion of probes | Y | |

# IV. Source Specific Applicable Requirements

## Table IV - B
## Source-specific Applicable Requirements
## S1, S2, S4, S23- CRUDE STORAGE TANKS

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| 8-5-322.3 | Gap length | Y | |
| 8-5-322.5 | Gap for welded tanks with seal installed after September 4, 1985 | Y | |
| 8-5-322.6 | Secondary seal shall not be attached to primary seal | Y | |
| 8-5-328 | Tank degassing requirements | Y | |
| 8-5-328.1.2 | Concentration of organic compounds in tank of < 10,000 ppm as methane after degassing | Y | |
| 8-5-328.2 | Tank degassing when ozone excess is predicted | Y | |
| 8-5-401 | Inspection Requirements for External Floating Roof Tanks | Y | |
| 8-5-404 | Certification | Y | |
| 8-5-405 | Information required | Y | |
| 8-5-501 | Records | Y | |
| 8-5-503 | Portable hydrocarbon detector | Y | |
| **NSPS Part 60 Subpart Kb** | **Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984** | Y | |
| 60.110b(a) | Applicability and designation of affected facility | Y | |
| 60.112b(a) | Standard for Volatile Organic Compounds (VOC); Requirement for tanks-- > 151 cubic meter with maximum TVP >=5.2 kPa and <76.6; or >= 75 cubic meter and < 151 cubic meter with maximum TVP >= 27.6 kPa and < 76.6 kPa | Y | |
| 60.112b(a)(2) | Standard for Volatile Organic Compounds (VOC); External floating roof option | Y | |
| 60.112b(a)(2)(i) | Standard for Volatile Organic Compounds (VOC); External floating roof seal requirements | Y | |
| 60.112b(a)(2)(i)(A) | Standard for Volatile Organic Compounds (VOC); External floating roof primary seal requirements | Y | |
| 60.112b(a)(2)(i)(B) | Standard for Volatile Organic Compounds (VOC); External floating roof secondary seal requirements | Y | |
| 60.112b(a)(2)(ii) | Standard for Volatile Organic Compounds (VOC); External floating roof openings requirements | Y | |
| 60.112b(a)(2)(iii) | Standard for Volatile Organic Compounds (VOC); External floating roof floating requirements | Y | |
| 60.113b(b)(1) | Testing and Procedures; External floating roof seal gap measurement frequency | Y | |
| 60.113b(b)(1)(i) | Measurement of gaps between tank wall and primary seal | Y | |

# IV. Source Specific Applicable Requirements

## Table IV - B
## Source-specific Applicable Requirements
## S1, S2, S4, S23- CRUDE STORAGE TANKS

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| 60.113b(b)(1)(ii) | Measurement of gaps between tank wall and secondary seal | Y | |
| 60.113b(b)(1)(iii) | Testing and Procedures; External floating roof reintroduction of VOL | Y | |
| 60.113b(b)(2) | Testing and Procedures; External floating roof seal gap measurement procedures | Y | |
| 60.113b(b)(2)(i) | Testing and Procedures; External floating roof measure seal gaps when roof is floating | Y | |
| 60.113b(b)(2)(ii) | Testing and Procedures; External floating roof measure seal gaps around entire circumference | Y | |
| 60.113b(b)(2)(iii) | Testing and Procedures; External floating roof seal method to determine surface area of seal gaps | Y | |
| 60.113b(b)(3) | Testing and Procedures; External floating roof method to calculate total surface area ratio | Y | |
| 60.113b(b)(4) | Testing and Procedures; External floating roof seal gap repair requirements | Y | |
| 60.113b(b)(4)(i) | Testing and Procedures; External floating roof primary seal gap limitations | Y | |
| 60.113b(b)(4)(i)(A) | Testing and Procedures; External floating roof mechanical shoe primary seal requirements | Y | |
| 60.113b(b)(4)(i)(B) | Testing and Procedures; External floating roof primary seals no holes, tears, openings | Y | |
| 60.113b(b)(4)(ii)(A) | Testing and Procedures; External floating roof secondary seal installation | Y | |
| 60.113b(b)(4)(ii)(B) | Testing and Procedures; External floating roof secondary seal gap limitations | Y | |
| 60.113b(b)(4)(ii)(C) | Testing and Procedures; External floating roof secondary seals no holes, tears, openings | Y | |
| 60.113b(b)(4)(iii) | Testing and Procedures; External floating roof 30-day extension request for seal gap repairs | Y | |
| 60.113b(b)(5) | Testing and Procedures; External floating roof seal gap inspections 30 day notification | Y | |
| 60.113b(b)(6) | Testing and Procedures; External floating roof visual inspection when emptied and degassed | Y | |
| 60.113b(b)(6)(i) | Testing and Procedures; External floating roof--roof or seal defect repairs | Y | |
| 60.113b(b)(6)(ii) | Testing and Procedures; External floating roof notification prior to filling | Y | |
| 60.115b | Reporting and Recordkeeping Requirements; 60.112b(a) tanks | Y | |
| 60.115b(b) | Reporting and Recordkeeping Requirements; 60.112b(a) external floating roof | Y | |
| 60.115b(b)(1) | Reporting and Recordkeeping Requirements; 60.112b(a) external floating roof control equipment description and certification | Y | |

# IV. Source Specific Applicable Requirements

## Table IV - B
## Source-specific Applicable Requirements
## S1, S2, S4, S23- CRUDE STORAGE TANKS

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| 60.115b(b)(2) | Reporting and Recordkeeping Requirements; 60.112b(a) external floating roof seal gap measurement report | Y | |
| 60.115b(b)(2)(i) | Reporting and Recordkeeping Requirements; 60.112b(a) external floating roof seal gap measurement report--date of measurement | Y | |
| 60.115b(b)(2)(ii) | Reporting and Recordkeeping Requirements; 60.112b(a) external floating roof seal gap measurement report--raw data | Y | |
| 60.115b(b)(2)(iii) | Reporting and Recordkeeping Requirements; 60.112b(a) external floating roof seal gap measurement report--calculations | Y | |
| 60.115b(b)(3) | Reporting and Recordkeeping Requirements; 60.112b(a) external floating roof seal gap measurement records | Y | |
| 60.115b(b)(3)(i) | Reporting and Recordkeeping Requirements; 60.112b(a) external floating roof seal gap measurement records--date of measurement | Y | |
| 60.115b(b)(3)(ii) | Reporting and Recordkeeping Requirements; 60.112b(a) external floating roof seal gap measurement records--raw data | Y | |
| 60.115b(b)(3)(iii) | Reporting and Recordkeeping Requirements; 60.112b(a) external floating roof seal gap measurement records--calculations | Y | |
| 60.115b(b)(4) | Reporting and Recordkeeping Requirements; 60.112b(a) external floating roof seal gap exceedance report | Y | |
| 60.116b(a) | Monitoring of Operations; Record retention | Y | |
| 60.116b(b) | Monitoring of Operations; Permanent record requirements | Y | |
| 60.116b(c) | Monitoring of Operations; VOL storage record requirements | Y | |
| 60.116b(e)(1) | Monitoring of Operations; Determine TVP-temperature selection based on tank operating temperatures | Y | |
| 60.116b(e)(2)(i) | Monitoring of Operations; Determine TVP-other liquids-standard reference texts | Y | |
| 60.116b(e)(2)(ii) | Monitoring of Operations; Determine TVP-other liquids-ASTM method | Y | |
| 60.116b(e)(2)(iii) | Monitoring of Operations; Determine TVP-other liquids-other approved measurement method | Y | |
| **40 CFR 63 Subpart CC** | **National Emission Standards for Hazardous Pollutants for Petroleum Refining (8/18/95)** | | |
| 63.640(c)(2) | Affected sources: Tanks | Y | |
| 63.640(n)(1) | Applicability and Designation of Affected Source Overlap for Storage Vessels—Existing Group 1 or Group 2 also subject to Kb only subject to Kb and 63.640(n)(8). | Y | |
| 63.640(n)(8) | Storage vessels | Y | |
| 63.640(n)(8)(i) | Exemption from secondary seal requirements during gap measurements for primary seal | Y | |
| 63.640(n)(8)(ii) | Structurally unsound roofs | Y | |
| 63.640(n)(8)(iii) | Extensions for compliance | Y | |

# IV. Source Specific Applicable Requirements

## Table IV - B
## Source-specific Applicable Requirements
## S1, S2, S4, S23- CRUDE STORAGE TANKS

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| 63.640(n)(8)(iv) | Additional reports if extension is used | Y | |
| 63.640(n)(8)(v) | Subpart Kb reports may be submitted for this subpart. Permit holder has 60 days in lieu of Subpart Kb deadline. | Y | |
| 63.640(n)(8)(vi) | Subpart Kb rim seal inspection reports not required if gaps do not exceed limitations. | Y | |
| **BAAQMD Condition #1240** | | | |
| Part I.14 | Facility Limits (Cumulative Increase) | Y | |
| Part I.18 | Cumulative Increase Monitoring (Cumulative Increase) | Y | |
| Part I.18a | NMHC and NOx estimates (Cumulative Increase) | Y | |
| Part I.18c | Estimates of NMHC emissions from tanks (Cumulative Increase) | Y | |
| Part I.18j | Summary of emissions estimates and reports of non-compliance (Cumulative Increase) | Y | |
| Part II.12 | Specifications for External Floating Roof Tanks (Cumulative Increase, Offsets) | Y | |
| Part II.13 | Quarterly Seal Inspections (Cumulative Increase) | Y | |
| Part II.14 | Throughput Limit (Cumulative Increase) | Y | |
| Part II.15 | Storage of Materials Other than Crude Oil (Cumulative Increase, Toxics) | Y | |
| Part II.16 | Vapor Pressure Limit (Cumulative Increase, Offsets, Toxics) | Y | |
| Part II.22 | Daily Recordkeeping (Cumulative Increase) | Y | |
| Part II.23 | Monthly Recordkeeping (Cumulative Increase) | Y | |
| Part II.24 | Crude Oil Transfers by pipeline only (Cumulative Increase) | Y | |

## Table IV – C
## Source-specific Applicable Requirements
## S3, GAS OIL STORAGE TANK, TK-1C

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

# IV. Source Specific Applicable Requirements

## Table IV – C
## Source-specific Applicable Requirements
## S3, GAS OIL STORAGE TANK, TK-1C

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| **BAAQMD Regulation 8, Rule 5** | **Organic Compounds, Storage of Organic Liquids (11/27/02)** | | |
| 8-5-117 | Exemption, Low Vapor Pressure | N | |
| **40 CFR 63 Subpart CC** | **National Emission Standards for Hazardous Pollutants for Petroleum Refining (8/18/95)** | | |
| 63.646(b)(1) | Storage Vessel Provisions--Determine stored liquid % OHAP for group determination | Y | |
| 63.646(b)(2) | Storage Vessel Provisions--Determine stored liquid % OHAP-method 18 to resolve disputes | Y | |
| 63.654(i)(1) | Reporting and Recordkeeping Requirements--Recordkeeping for storage vessels | Y | |
| 63.654(i)(1)(iv) | Reporting and Recordkeeping Requirements--Recordkeeping for storage vessels | Y | |
| 63.654(i)(4) | Reporting and Recordkeeping Requirements--Recordkeeping--Record retention | Y | |
| **BAAQMD Condition #1240** | | | |
| Part I.14 | Facility Limits (Cumulative Increase) | Y | |
| Part I.18 | Cumulative Increase Monitoring (Cumulative Increase) | Y | |
| Part I.18a | NMHC and NOx estimates (Cumulative Increase) | Y | |
| Part I.18c | Estimates of NMHC emissions from tanks (Cumulative Increase) | Y | |
| Part I.18j | Summary of emissions estimates and reports of non-compliance (Cumulative Increase) | Y | |
| Part II.40 | Storage of materials other than gas oil (Cumulative Increase, Toxics) | Y | |
| Part II.41 | Storage of at least 38,400,000 gallons gas oil per yr (Offsets) | Y | |
| Part II.42 | Vapor pressure requirement (Cumulative Increase, NSPS) | Y | |
| Part II.43 | Control Requirement (BACT, Cumulative Increase, offsets) | Y | |
| Part II.44 | Vapor recovery and fugitive emission requirement (BACT, Cumulative Increase, offsets) | Y | |
| Part II.45 | Requirement for gasketted tank fittings (BACT) | Y | |
| Part II.46 | Recordkeeping (Cumulative Increase) | Y | |

# IV. Source Specific Applicable Requirements

## Table IV – C
## Source-specific Applicable Requirements
## S3, GAS OIL STORAGE TANK, TK-1C

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| Part II.58b | Continuous Temperature Monitoring ((40 CFR 60.113b(c)(1)(ii) and 60.113b(c)(2); 40 CFR 60.473(c); 40 CFR 61.354(c)(4), 61.356(f)(2)(i)(A), and 61.356(f)(2)(i)(C), Regulation 2-6-409.2.2, 2-6-414)) | Y | |

## Table IV - D
## Source-specific Applicable Requirements
## S5, S6, S7, S8, ASPHALT STORAGE TANKS
## S37, S38, RUBBERIZED ASPHALT SALES TANKS

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| **BAAQMD Regulation 6** | **Particulate Matter and Visible Emissions (12/19/90)** | | |
| 6-301 | Ringelmann #1 Limitation | Y | |
| 6-305 | Visible Particles | Y | |
| 6-310 | Particulate Weight Limitation | Y | |
| 6-401 | Appearance of Emissions | Y | |
| **BAAQMD Regulation 8, Rule 5** | **Organic Compounds, Storage of Organic Liquids (11/27/02)** | | |
| 8-5-117 | Exemption, Low Vapor Pressure | N | |
| **BAAQMD Regulation 8, Rule 15** | **Organic Compounds, Emulsified and Liquid Asphalts (6/1/94)** | | |
| 8-15-305 | Prohibition of Manufacture and Sale | Y | |
| 8-15-501 | Records | Y | |
| **40 CFR 60 Subpart UU** | **Standards of Performance for Asphalt Processing and Asphalt Roofing Manufacture (8/6/82)** | | |
| 60.472(c) | Opacity standard | Y | |
| 60.473(c) | Parametric monitoring | Y | |
| 60.473(d) | Exemption from quarterly reports | Y | |

# IV. Source Specific Applicable Requirements

## Table IV - D
## Source-specific Applicable Requirements
## S5, S6, S7, S8, ASPHALT STORAGE TANKS
## S37, S38, RUBBERIZED ASPHALT SALES TANKS

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| **40 CFR 63 Subpart CC** | **National Emission Standards for Hazardous Pollutants for Petroleum Refining (8/18/95)** | | |
| 63.646(b)(1) | Storage Vessel Provisions--Determine stored liquid % OHAP for group determination | Y | |
| 63.646(b)(2) | Storage Vessel Provisions--Determine stored liquid % OHAP-method 18 to resolve disputes | Y | |
| 63.654(i)(1) | Reporting and Recordkeeping Requirements--Recordkeeping for storage vessels | Y | |
| 63.654(i)(1)(iv) | Reporting and Recordkeeping Requirements--Recordkeeping for storage vessels | Y | |
| 63.654(i)(4) | Reporting and Recordkeeping Requirements--Recordkeeping--Record retention | Y | |
| **BAAQMD Condition #1240** | | | |
| Part I.14 | Facility Limits (Cumulative Increase) | Y | |
| Part I.18 | Cumulative Increase Monitoring (Cumulative Increase) | Y | |
| Part I.18a | NMHC and NOx estimates (Cumulative Increase) | Y | |
| Part I.18c | Estimates of NMHC emissions from tanks (Cumulative Increase) | Y | |
| Part I.18j | Summary of emissions estimates and reports of non-compliance (Cumulative Increase) | Y | |
| Part II.48 | Throughput Limit (Cumulative Increase, Offsets) | Y | |
| Part II.49 | Prohibition against cutback asphalt (Toxics) | Y | |
| Part II.50 | Vapor Pressure Limit (Cumulative Increase, Offsets) | Y | |
| Part II.55 | Control and Destruction Efficiency Requirements (Cumulative Increase, Offsets) | Y | |
| Part II.58 | Recordkeeping Requirement (Cumulative Increase) | Y | |
| Part II.58b | Continuous Temperature Monitoring (40 CFR 60.113b(c)(1)(ii) and 60.113b(c)(2); 40 CFR 60.473(c); 40 CFR 61.354(c)(4), 61.356(f)(2)(i)(A), and 61.356(f)(2)(i)(C), Regulation 2-6-409.2.2, 2-6-414) | Y | |

# IV. Source Specific Applicable Requirements

## Table IV - E
## Source-specific Applicable Requirements
## S9, NAPHTHA STORAGE TANK

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| **BAAQMD Regulation 8, Rule 5** | **Storage of Organic Liquids (11/27/02)** | | |
| 8-5-111 | Limited Exemption, Tank Removal From and Return to Service | Y | |
| 8-5-111.1 | Notice to the APCO | Y | |
| 8-5-111.2 | Compliance before notification | Y | |
| 8-5-111.3 | Continuous and quick filling, emptying and refilling | Y | |
| 8-5-111.5 | Minimization of emissions | Y | |
| 8-5-111.6 | Written notice of completion not required | Y | |
| 8-5-111.7 | Compliance with Section 8-5-328 | Y | |
| 8-5-112 | Limited Exemption, Tanks in Operation | Y | |
| 8-5-112.1 | Notice to the APCO | Y | |
| 8-5-112.2 | Compliance and certification before commencement of work | Y | |
| 8-5-112.3 | No product movement; minimization of emissions | Y | |
| 8-5-112.4 | Exemption does not exceed 7 days | Y | |
| 8-5-301 | Storage Tank Control Requirements (internal floating roof, external floating roof, or approved emission control system) | Y | |
| 8-5-305 | Requirements for Internal Floating roofs | Y | |
| 8-5-305.2 | Requirements for seals installed after 2/1/93 | Y | |
| 8-5-305.3 | Three viewing ports | Y | |
| 8-5-305.4 | Fitting requirements in BAAQMD Regulation 8-5-320 | Y | |
| 8-5-305.5 | Floating roof requirements | Y | |
| 8-5-320 | Tank fitting requirements | Y | |
| 8-5-320.2 | Openings in the floating roof except p/v valves and vacuum breaker vents | Y | |
| 8-5-320.3 | Openings in the floating roof except floating roof legs | Y | |
| 8-5-320.4 | Solid sampling or gauging wells and similar fixed projections | Y | |
| 8-5-320.4.1 | The well shall provide a projection below the liquid surface | Y | |
| 8-5-320.4.2 | The well shall be equipped with a cover | Y | |
| 8-5-320.4.3 | The gap between the well and the roof | Y | |
| 8-5-321 | Primary seal requirements | Y | |
| 8-5-321.1 | No holes, tears, or other openings in the primary seal fabric | Y | |

# IV. Source Specific Applicable Requirements

## Table IV - E
## Source-specific Applicable Requirements
## S9, NAPHTHA STORAGE TANK

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| 8-5-321.2 | The seal shall be liquid mounted except as provided in 8-5-305.1.3 | Y | |
| 8-5-321.3 | Metallic shoe type seals | Y | |
| 8-5-321.3.1 | Geometry of shoe | Y | |
| 8-5-321.3.2 | Gaps for welded tanks | Y | |
| 8-5-322 | Secondary seal requirements | Y | |
| 8-5-322.1 | No holes, tears, or other openings in the secondary seal | Y | |
| 8-5-322.2 | Insertion of probes | Y | |
| 8-5-322.3 | Gap length | Y | |
| 8-5-322.5 | Gaps for welded tanks with seals installed after 2/1/93 | Y | |
| 8-5-328 | Tank degassing requirements | Y | |
| 8-5-328.1.2 | Concentration of organic compounds in tank of < 10,000 ppm as methane after degassing | Y | |
| 8-5-328.2 | Tank degassing when ozone excess is predicted | Y | |
| 8-5-402 | Inspection Requirements for Internal Floating Roof Tanks | Y | |
| 8-5-404 | Certification | Y | |
| 8-5-405 | Information required | Y | |
| 8-5-405.1 | Date of inspection | Y | |
| 8-5-405.2 | Actual gap measurements | Y | |
| 8-5-405.3 | Data, supported calculation | Y | |
| 8-5-501 | Records | Y | |
| 8-5-503 | Portable hydrocarbon detector | Y | |
| **40 CFR 60 Subpart Kb** | **New Source Performance Standard for Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction or Modification Commenced After July 23, 1984.** | Y | |
| 60.110b(a) | Applicability and Designation of Affected Facility; Volatile organic liquid storage vessels > or = to 40 cubic meter, after 7/23/1984 | Y | |
| 60.112b(a) | Standard for Volatile Organic Compounds (VOC); Requirement for tanks-- > 151 cubic meter with maximum TVP >=5.2 kPa and <76.6; or >= 75 cubic meter and < 151 cubic meter with maximum TVP >= 27.6 kPa and < 76.6 kPa | Y | |
| 60.112b(a)(1) | Fixed roof in combination with an internal floating roof | Y | |
| 60.112b(a)(1)(i) | Requirements for internal floating roof resting or floating on liquid surface. Exempt if the floating roof is landed on its support legs. | Y | |

# IV. Source Specific Applicable Requirements

## Table IV - E
## Source-specific Applicable Requirements
## S9, NAPHTHA STORAGE TANK

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| | When roof is resting on support legs, filling, emptying, and refilling shall proceed as quickly as possible. | | |
| 60.112b(a)(1)(ii)(B) | Requirement for two seals, one mounted above the other | Y | |
| 60.112b(a)(1)(iii) | Openings except for automatic bleeder vents and rim space vents must provide projection below liquid surface. | Y | |
| 60.112b(a)(1)(iv) | Openings in internal floating roof | Y | |
| 60.112b(a)(1)(v) | Automatic bleeder vents | Y | |
| 60.112b(a)(1)(vi) | Rim space vents | Y | |
| 60.112b(a)(1)(vii) | Sample wells | Y | |
| 60.112b(a)(1)(viii) | Penetrations allowing for passage of columns | Y | |
| 60.112b(a)(1)(ix) | Penetrations allowing for passage of ladders | Y | |
| 60.113b | Testing and procedures | Y | |
| 60.113b(a) | Inspections for internal floating roofs | Y | |
| 60.113b(a)(1) | Testing and Procedures; Internal floating roof visual inspection before filling | Y | |
| 60.113b(a)(2) | Testing and Procedures; Internal floating roof tanks with liquid mounted or mechanical shoe primary seal, annual inspection | Y | |
| 60.113b(a)(3)(ii) | Testing and Procedures; Internal floating roof with double seal system, annual inspection | Y | |
| 60.113b(a)(4) | Testing and Procedures; Internal floating roof inspections after emptied and degassed | Y | |
| 60.113b(a)(5) | Testing and Procedures; Internal floating roof, 30 day notification for filling after inspection | Y | |
| 60.115b | Reporting and Recordkeeping Requirements; 60.112b(a) tanks | Y | |
| 60.115b(a) | Record keeping and reporting requirements | Y | |
| 60.115b(a)(1) | Reporting and Recordkeeping Requirements; 60.112b(a) internal floating roof control equipment description and certification | Y | |

# IV. Source Specific Applicable Requirements

## Table IV - E
## Source-specific Applicable Requirements
## S9, NAPHTHA STORAGE TANK

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| 60.115b(a)(2) | Reporting and Recordkeeping Requirements; 60.112b(a) internal floating roof inspection records | Y | |
| 60.115b(a)(3) | Reporting and Recordkeeping Requirements; 60.112b(a) internal floating roof annual inspection defects report | Y | |
| 60.115b(a)(4) | Reporting and Recordkeeping Requirements; 60.112b(a) internal floating roof double seal system inspection defects report | Y | |
| 60.116b | Monitoring of operations | Y | |
| 60.116b(a) | Retention of record for two years | Y | |
| 60.116b(b) | Records of dimensions and capacity | Y | |
| 60.116b(c) | Records of VOL stored, period of storage, and maximum true vapor pressure | Y | |
| 60.116b(e)(1) | Monitoring of Operations; Determine TVP-temperature selection based on tank operating temperatures | Y | |
| 60.116b(e)(3)(i) | Monitoring of Operations; Determine TVP-other liquids-standard reference texts | Y | |
| 60.116b(e)(3)(ii) | Monitoring of Operations; Determine TVP-other liquids-ASTM method | Y | |
| 60.116b(e)(3)(iii) | Monitoring of Operations; Determine TVP-other liquids-other approved measurement method | Y | |
| 60.116b(e)(3)(iv) | Monitoring of Operations; Determine TVP-other liquids-other approved calculation method | Y | |
| **40 CFR 63 Subpart CC** | **National Emission Standards for Hazardous Pollutants for Petroleum Refining** | | |
| 63.640(c)(2) | Affected sources: Tanks | Y | |
| 63.640(n)(1) | Compliance with 40 CFR Subpart Kb is compliance with this part except as provided in 40 CFR 60.640(n)(8). | Y | |
| 63.640(n)(8) | Applicability and Designation of Affected Source Overlap for Storage Vessels--Additional requirements for Kb storage vessels | Y | |
| 63.640(n)(8)(ii) | Structurally unsound roofs | Y | |
| 63.640(n)(8)(iii) | Extensions for compliance | Y | |
| 63.640(n)(8)(iv) | Additional reports if extension is used | Y | |

# IV. Source Specific Applicable Requirements

## Table IV - E
## Source-specific Applicable Requirements
## S9, NAPHTHA STORAGE TANK

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| 63.640(n)(8)(v) | Subpart Kb reports may be submitted for this subpart. Permit holder has 60 days in lieu of Subpart Kb deadline. | Y | |
| **BAAQMD Condition #1240** | | | |
| Part I.14 | Facility Limits (Cumulative Increase) | Y | |
| Part I.18 | Cumulative Increase Monitoring (Cumulative Increase) | Y | |
| Part I.18a | NMHC and NOx estimates (Cumulative Increase) | Y | |
| Part I.18c | Estimates of NMHC emissions from tanks (Cumulative Increase) | Y | |
| Part I.18j | Summary of emissions estimates and reports of non-compliance (Cumulative Increase) | Y | |
| Part II.25 | Storage of Materials Other than Naphtha (Cumulative Increase, Toxics) | Y | |
| Part II.26 | Vapor Pressure Limit (Cumulative Increase, Toxics) | Y | |
| Part II.27a | Internal Floating Roof Requirements (Cumulative Increase, NSPS) | Y | |
| Part II.28 | Throughput Limit (Cumulative Increase, Toxics) | Y | |
| Part II.29 | Recordkeeping (Cumulative Increase) | Y | |

## Table IV - F
## Source-specific Applicable Requirements
## S12-WASTEWATER TANK

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| **BAAQMD Regulation 8, Rule 5** | **Organic Compounds, Storage of Organic Liquids (11/27/02)** | | |
| 8-5-117 | Exemption, Low Vapor Pressure | N | |
| **40 CFR 61 Subpart FF** | **National Emission Standards for Benzene Waste Operations** | Y | |

# IV. Source Specific Applicable Requirements

## Table IV - F
## Source-specific Applicable Requirements
## S12-WASTEWATER TANK

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| 61.340(a) | Applicability: Chemical Manufacturing, Coke by-product recovery, petroleum refineries | Y | |
| 61.343(a) | Standards: Tanks; Benzene-containing wastes | Y | |
| 61.343(a)(1) | Standards: Tanks; Fixed Roof--with closed vent system | Y | |
| 61.343(a)(1)(i)(B) | Standards: Tanks; Fixed Roof--No openings | Y | |
| 61.343(a)(1)(ii) | Standards: Tanks; Closed-vent systems 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(a) | Standards: Closed-Vent Systems and Control Devices; Applicability | Y | |
| 61.349(a)(1) | Standards: Closed-Vent Systems and Control Devices; Closed vent system requirements | Y | |
| 61.349(a)(1)(i) | Standards: Closed-vent systems and Control Devices—Closed vent system-no detectable emission >/= 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) | Standards: Closed-Vent Systems and Control Devices; Control device requirements | Y | |
| 61.349(a)(2)(i) | Standards: Closed-Vent Systems and Control Devices; Enclosed combustion device requirements | Y | |
| 61.349(a)(2)(i)(A) | Controlled by enclosed combustion device with greater than 95% control efficiency. | Y | |
| 61.349(b) | Operated at all times. | Y | |
| 61.349(c) | Standards: Closed-Vent Systems and Control Devices; Control Device Performance Demonstration | Y | |
| 61.349(c)(2) | Performance tests | Y | |
| 61.349(e) | Administrator may request performance tests | Y | |
| 61.349(f) | Visually inspect for leaks quarterly | Y | |

# IV. Source Specific Applicable Requirements

## Table IV - F
## Source-specific Applicable Requirements
## S12-WASTEWATER TANK

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| 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 | |
| 61.354(c) | Monitoring of Operations; Closed-vent systems and control devices—Continuously monitor control device operation | Y | |
| 61.354(c)(1) | Monitor thermal vapor incinerator temperature | Y | |
| 61.354(c)(4) | Monitoring of Operations; Boiler or process heaters | Y | |
| 61.354(f) | Monitoring of Operations; Closed vent system with bypass line | Y | |
| 61.354(f)(1) | Visually inspect carseal/valve positions monthly | Y | |
| 61.355(i) | Performance test procedures | Y | |
| 61.356(a) | Recordkeeping and retention requirements | Y | |
| 61.356(g) | Recordkeeping Requirements: Visual inspection 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 | |
| 61.356(j) | Recordkeeping Requirements: Control device operation | Y | |
| 61.356(j)(1) | Recordkeeping Requirements: dates of startup and shutdown | Y | |
| 61.356(j)(2) | Recordkeeping Requirements: description of parameters | Y | |
| 61.356(j)(3) | Recordkeeping Requirements: periods when closed vent system and control device are not operating | Y | |
| 61.356(j)(3)(i) | Recordkeeping Requirements; Bypass Line Controls | Y | |
| 61.356(j)(4) | Recordkeeping Requirements: Control device operation--Thermal vapor incinerator | Y | |
| 61.356(j)(6) | Recordkeeping Requirements: Control device operation- process heater | Y | |
| **40 CFR 63 Subpart CC** | **National Emission Standards for Hazardous Pollutants for Petroleum Refining (8/18/95)** | | |
| 63.640(c)(3) | Wastewater steams associated with petroleum refining process units | Y | |
| 63.647(a) | Compliance with 40 CFR 61, Subpart FF, Sections 340 to 355 | Y | |
| 63.647(c) | Operation consistent with minimum or maximum permitted concentrations or operating parameter values | Y | |
| 63.654(a) | Compliance with recordkeeping and reporting provisions in 40 CFR 61, Subpart FF, Sections 356 and 357 | Y | |

# IV. Source Specific Applicable Requirements

## Table IV - F
## Source-specific Applicable Requirements
## S12-WASTEWATER TANK

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| **BAAQMD Condition #1240** | | | |
| Part I.14 | Facility Limits (Cumulative Increase) | Y | |
| Part I.18 | Cumulative Increase Monitoring (Cumulative Increase) | Y | |
| Part I.18a | NMHC and NOx estimates (Cumulative Increase) | Y | |
| Part I.18e | Estimates of NMHC emissions from wastewater sources (Cumulative Increase) | Y | |
| Part I.18j | Summary of emissions estimates and reports of non-compliance (Cumulative Increase) | Y | |
| Part II.58b | Continuous Temperature Monitoring (40 CFR 60.113b(c)(1)(ii) and 60.113b(c)(2); 40 CFR 60.473(c); 40 CFR 61.354(c)(4), 61.356(f)(2)(i)(A), and 61.356(f)(2)(i)(C), Regulation 2-6-409.2.2, 2-6-414) | Y | |

## Table IV - G
## Source-specific Applicable Requirements
## S13, KEROSENE TANK #8

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| **BAAQMD Regulation 8, Rule 5** | **Storage of Organic Liquids (11/27/02)** | | |
| 8-5-111 | Limited Exemption, Tank Removal From and Return to Service | Y | |
| 8-5-111.1 | Notice to the APCO | Y | |
| 8-5-111.2 | Compliance before notification | Y | |
| 8-5-111.4 | Use of vapor recovery | Y | |
| 8-5-111.5 | Minimization of emissions | Y | |
| 8-5-111.6 | Written notice of completion not required | Y | |
| 8-5-111.7 | Compliance with Section 8-5-328 | Y | |

# IV. Source Specific Applicable Requirements

## Table IV - G
## Source-specific Applicable Requirements
## S13, KEROSENE TANK #8

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| 8-5-112 | Limited Exemption, Tanks in Operation | Y | |
| 8-5-112.1 | Notice to the APCO | Y | |
| 8-5-112.2 | Compliance and certification before commencement of work | Y | |
| 8-5-112.3 | No product movement; minimization of emissions | Y | |
| 8-5-112.4 | Exemption does not exceed 7 days | Y | |
| 8-5-301 | Storage Tank Control Requirements (internal floating roof, external floating roof, or approved emission control system) | Y | |
| 8-5-303 | Requirements for Pressure Vacuum Valve | Y | |
| 8-5-306 | Requirements for Approved Emission Control Systems | Y | |
| 8-5-328 | Tank Degassing Requirements | Y | |
| 8-5-328.1.2 | Concentration of organic compounds in tank of < 10,000 ppm as methane after degassing | Y | |
| 8-5-328.2 | Tank degassing when ozone excess is predicted | Y | |
| 8-5-403 | Inspection Requirements for Pressure Vacuum Valves | Y | |
| 8-5-404 | Certification | Y | |
| 8-5-501 | Records | Y | |
| 8-5-501.1 | Records of type and amount of liquids stored and true vapor pressures | Y | |
| 8-5-503 | Portable hydrocarbon detector | Y | |
| 8-5-603 | Determination of emissions | Y | |
| 8-5-603.1 | Determination of Emissions; Organic compounds specified in 8-5-306 | Y | |
| 8-5-605 | Pressure-Vacuum Valve Gas Tight Determination | Y | |
| **40 CFR 60 Subpart Kb** | **New Source Performance Standard for Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction or Modification Commenced After July 23, 1984.** | Y | |
| 60.110b(a) | Applicability and Designation of Affected Facility; Volatile organic liquid storage vessels > or = to 40 cubic meter, after 7/23/1984 | Y | |
| 60.112b(a)(3) | Closed vent system and control device | Y | |
| 60.112b(a)(3)(i) | Standard for Volatile Organic Compounds (VOC); Closed vent system and control device no detectable emissions | Y | |
| 60.112b(a)(3)(ii) | Standard for Volatile Organic Compounds (VOC); Closed vent system and control device >= 95% inlet VOC emission reduction | Y | |
| 60.113b(c) | Testing and Procedures; Closed vent system and control device (not | Y | |

# IV. Source Specific Applicable Requirements

## Table IV - G
## Source-specific Applicable Requirements
## S13, KEROSENE TANK #8

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| | flare) | | |
| 60.113b(c)(1) | Testing and Procedures; Closed vent system and control device (not flare) operating plan submission | Y | |
| 60.113b(c)(1)(i) | Testing and Procedures; Closed vent system and control device (not flare) operating plan--efficiency demonstration | Y | |
| 60.113b(c)(1)(ii) | Testing and Procedures; Closed vent system and control device (not flare) operating plan--monitoring parameters | Y | |
| 60.113b(c)(2) | Testing and Procedures; Closed vent system and control device (not flare) operate in accordance with operating plan | Y | |
| 60.115b | Reporting and Recordkeeping Requirements; 60.112b(a) tanks | Y | |
| 60.115b(c)(1) | Reporting and Recordkeeping Requirements; Closed vent system and control device (not flare) operating plan copy | Y | |
| 60.115b(c)(2) | Reporting and Recordkeeping Requirements; Closed vent system and control device (not flare) operating records | Y | |
| 60.116b(a) | Monitoring of Operations; Record retention | Y | |
| 60.116b(b) | Monitoring of Operations; Permanent record requirements | Y | |
| 60.116b(g) | Monitoring of Operations; Exemption from 116b(c) and 116b(d) | Y | |
| **40 CFR 63 Subpart CC** | **National Emission Standards for Hazardous Air Pollutants for Petroleum Refineries (06/12/1996)** | | |
| 63.640(c)(2) | Storage vessels associated with petroleum refining process units | Y | |
| 63.640(n)(1) | Applicability and Designation of Affected Source Overlap for Storage Vessels--Existing Group 1 or Group 2 also subject to Kb only subject to Kb. | Y | |
| 63.640(n)(8) | Compliance with 40 CFR 60, Subpart Kb with some exceptions | Y | |
| **BAAQMD Condition #1240** | | | |
| Part I.14 | Facility Limits (Cumulative Increase) | Y | |
| Part I.18 | Cumulative Increase Monitoring (Cumulative Increase) | Y | |
| Part I.18a | NMHC and NOx estimates (Cumulative Increase) | Y | |
| Part I.18c | Estimates of NMHC emissions from tanks (Cumulative Increase) | Y | |
| Part I.18j | Summary of emissions estimates and reports of non-compliance (Cumulative Increase) | Y | |

# IV. Source Specific Applicable Requirements

## Table IV - G
## Source-specific Applicable Requirements
## S13, KEROSENE TANK #8

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| Part II.30 | Storage of Materials other than Kerosene, Light or Heavy Vacuum Gas Oil, or Asphalt (Cumulative Increase, Toxics) | Y | |
| Part II.31 | Vapor Pressure Limit (Cumulative Increase, Toxics) | Y | |
| Part II.31a | Monitoring for vapor pressure limit | Y | |
| Part II.32a | Control and Destruction Efficiency Requirement (Regulation 8-5-306, NSPS, Cumulative Increase, Toxics) | Y | |
| Part II.33a | Throughput Limit (Cumulative Increase, Toxics) | Y | |
| Part II.34 | Recordkeeping (Cumulative Increase) | Y | |
| Part II.58b | Continuous Temperature Monitoring (40 CFR 60.113b(c)(1)(ii) and 60.113b(c)(2); 40 CFR 60.473(c); 40 CFR 61.354(c)(4), 61.356(f)(2)(i)(A), and 61.356(f)(2)(i)(C), Regulation 2-6-409.2.2, 2-6-414) | Y | |

## Table IV - H
## Source-specific Applicable Requirements
## S14-TRUCK LOADING RACKS, NAPHTHA

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| **BAAQMD Regulation 8, Rule 6** | **Organic Compounds-Organic Liquid Bulk Terminals and Bulk Plants (2/2/94)** | | |
| 8-6-114 | Maintenance and Repair exemption | Y | |
| 8-6-301 | Bulk Terminal Limitations | Y | |
| 8-6-304 | Deliveries to Storage Tanks | Y | |
| 8-6-306 | Equipment Maintenance | Y | |
| 8-6-307 | Operating Practices | Y | |
| 8-6-501 | Records | Y | |
| 8-6-502 | Portable Hydrocarbon Detector | Y | |
| **BAAQMD Condition** | | | |

# IV. Source Specific Applicable Requirements

## Table IV - H
## Source-specific Applicable Requirements
## S14-TRUCK LOADING RACKS, NAPHTHA

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| **#1240** | | | |
| Part I.14 | Facility Limits (Cumulative Increase) | Y | |
| Part I.18 | Cumulative Increase Monitoring (Cumulative Increase) | Y | |
| Part I.18a | NMHC and NOx estimates (Cumulative Increase) | Y | |
| Part I.18d | Estimates of NMHC emissions from loading racks (Cumulative Increase) | Y | |
| Part I.18j | Summary of emissions estimates and reports of non-compliance (Cumulative Increase) | Y | |
| Part I.19 | Temperature monitoring (2-6-503) | Y | |
| Part I.19a | Allowable temperature excursions (2-1-403) | Y | |
| Part I.19b | Recordkeeping for allowable temperature excursions (2-1-403) | Y | |
| Part I.19c | Temperatures above the limit ((2-1-403) | Y | |
| Part II.59 | Submerged fill pipe and abatement requirements < cumulative increase, offsets, BACT, toxics> | Y | |
| Part II.60 | Destruction efficiency requirements < cumulative increase, offsets, BACT, toxics> | Y | |
| Part II.61a | Vapor pressure limit <cumulative increase, offsets, toxics> | Y | |
| Part II.61b | Throughput limit< cumulative increase> | Y | |

# IV. Source Specific Applicable Requirements

## Table IV - I
## Source-specific Applicable Requirements
## S15, TRUCK LOADING RACK-GAS OIL

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| **BAAQMD Regulation 8, Rule 6** | **Organic Compounds-Organic Liquid Bulk Terminals and Bulk Plants (2/2/94)** | | |
| 8-6-114 | Maintenance and Repair exemption | Y | |
| 8-6-301 | Bulk Terminal Limitations | Y | |
| 8-6-304 | Deliveries to Storage Tanks | Y | |
| 8-6-306 | Equipment Maintenance | Y | |
| 8-6-307 | Operating Practices | Y | |
| 8-6-501 | Records | Y | |
| 8-6-502 | Portable Hydrocarbon Detector | Y | |
| **BAAQMD Condition #1240** | | | |
| Part I.14 | Facility Limits (Cumulative Increase) | Y | |
| Part I.18 | Cumulative Increase Monitoring (Cumulative Increase) | Y | |
| Part I.18a | NMHC and NOx estimates (Cumulative Increase) | Y | |
| Part I.18d | Estimates of NMHC emissions from loading racks (Cumulative Increase) | Y | |
| Part I.18j | Summary of emissions estimates and reports of non-compliance (Cumulative Increase) | Y | |
| Part I.19 | Temperature monitoring (2-6-503) | Y | |
| Part I.19a | Allowable temperature excursions (2-1-403) | Y | |
| Part I.19b | Recordkeeping for allowable temperature excursions (2-1-403) | Y | |
| Part I.19c | Temperatures above the limit ((2-1-403) | Y | |
| Part II.62 | Submerged fill pipe and abatement requirement ((BACT, Cumulative Increase, offsets, toxics) | Y | |
| Part II.63 | Requirement for vapor recovery and abatement (BACT, Cumulative Increase, offsets) | Y | |
| Part II.64a | Vapor pressure limit; limitation on source of materials (Cumulative Increase, offsets) | Y | |
| Part II.64b | Throughput limit | Y | |

# IV. Source Specific Applicable Requirements

## Table IV - J
## Source-specific Applicable Requirements
## S16, TRUCK LOADING RACKS, KEROSENE OR DISTILLATE OIL

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| **BAAQMD Condition #1240** | | | |
| Part I.14 | Facility Limits (Cumulative Increase) | Y | |
| Part I.18 | Cumulative Increase Monitoring (Cumulative Increase) | Y | |
| Part I.18a | NMHC and NOx estimates (Cumulative Increase) | Y | |
| Part I.18d | Estimates of NMHC emissions from loading racks (Cumulative Increase) | Y | |
| Part I.18j | Summary of emissions estimates and reports of non-compliance (Cumulative Increase) | Y | |
| Part II.90 | Vapor Pressure Limit (Cumulative Increase) | Y | |
| Part II.91 | Throughput Limit (Cumulative Increase) | Y | |
| Part II.91a | Recordkeeping (Cumulative Increase) | Y | |

## Table IV - K
## Source-specific Applicable Requirements
## S17, TRUCK LOADING RACKS-ASPHALT

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| **BAAQMD Regulation 6** | **Particulate Matter and Visible Emissions (12/19/90)** | | |
| 6-301 | Ringelmann #1 Limitation | Y | |
| 6-305 | Visible Particles | Y | |
| 6-310 | Particulate Weight Limitation | Y | |
| 6-401 | Appearance of Emissions | Y | |

# IV. Source Specific Applicable Requirements

## Table IV - K
## Source-specific Applicable Requirements
## S17, TRUCK LOADING RACKS-ASPHALT

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| **BAAQMD Regulation 8, Rule 15** | **Organic Compounds, Emulsified and Liquid Asphalts (6/1/94)** | | |
| 8-15-305 | Prohibition of Manufacture and Sale | Y | |
| 8-15-501 | Records | Y | |
| **BAAQMD Condition #1240** | | | |
| Part I.14 | Facility Limits (Cumulative Increase) | Y | |
| Part I.18 | Cumulative Increase Monitoring (Cumulative Increase) | Y | |
| Part I.18a | NMHC and NOx estimates (Cumulative Increase) | Y | |
| Part I.18d | Estimates of NMHC emissions from loading racks (Cumulative Increase) | Y | |
| Part I.18j | Summary of emissions estimates and reports of non-compliance (Cumulative Increase) | Y | |
| Part I.19 | Temperature monitoring (2-6-503) | Y | |
| Part I.19a | Allowable temperature excursions (2-1-403) | Y | |
| Part I.19b | Recordkeeping for allowable temperature excursions (2-1-403) | Y | |
| Part I.19c | Temperatures above the limit ((2-1-403) | Y | |
| Part II.8 | Termination of asphalt loading when blowdown system is venting to A-4, Thermal Oxidizer. (Cumulative Increase) | Y | |
| Part II.65 | Control Requirement (Cumulative Increase) | Y | |
| Part II.68 | Destruction Efficiency Requirement (Cumulative Increase, BACT) | Y | |
| Part II.71 | Vapor Pressure Requirement (Cumulative Increase, offsets) | Y | |
| Part II.74 | Asphalt Throughput Requirement (Cumulative Increase, offsets) | Y | |
| Part II.75 | Recordkeeping Requirement (Cumulative Increase) | Y | |
| Part IV.2 | Asphalt truck inspections. (1-301) | N | |
| Part IV.3 | Notification to trucking companies (1-301) | N | |

# IV. Source Specific Applicable Requirements

## Table IV - L
## Source-specific Applicable Requirements
## S18, CRUDE UNIT

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| **BAAQMD Regulation 8, Rule 10** | **Organic Compound – Process Vessel Depressurization (7/20/83)** | | |
| 8-10-301 | Process Vessel Depressurizing. POC emissions shall be vented through a knock-out pot and then abated in one of the following ways, to as low a vessel pressure as possible, but at least until pressure is reduced to less than 1000 mm Hg: | Y | |
| 8-10-301.1 | recovery to the fuel gas system | Y | |
| 8-10-301.2 | combustion at a firebox or incinerator | Y | |
| 8-10-301.3 | combustion at a flare | Y | |
| 8-10-301.4 | containment such that emissions to atmosphere do not occur | Y | |
| 8-10-401 | Turnaround Records. The following records shall be kept for each process unit turnaround, and retained for at least 2 years and made available to the District on demand during inspections: | Y | |
| 8-10-401.1 | date of depressurization event | Y | |
| 8-10-401.2 | approximate vessel hydrocarbon concentration when emissions to atmosphere begin | Y | |
| 8-10-401.3 | approximate quantity of POC emissions to atmosphere | Y | |
| **40 CFR 63 Subpart CC** | **National Emission Standards for Hazardous Pollutants for Petroleum Refining (8/18/95)** | | |
| 63.643(a) | Miscellaneous Process Vent Provisions | Y | |
| 63.643(a)(2) | Control device requirements | Y | |
| 63.643(b) | Boiler or process heater requirements | Y | |
| 63.644(a) | Monitoring Provisions for Miscellaneous Process Vents | Y | |
| 63.644(a)(3) | boiler or process heater in which vent streams are introduced into the flame zone | Y | |
| 63.645(a) | Demonstrations of compliance | Y | |
| 63.645(d) | Replacement of 63.116(b)(2) with 63.645(d)(2) | Y | |
| 63.645(d)(2) | Boiler or process heater in which all vent streams introduced into flame zone | Y | |
| 63.645(i) | Test Methods and Procedures for Miscellaneous Process--Compliance determination for visible emissions | Y | |
| **BAAQMD Condition** | | | |

# IV. Source Specific Applicable Requirements

## Table IV - L
## Source-specific Applicable Requirements
## S18, CRUDE UNIT

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| **#1240** | | | |
| Part I.1 | Annual Throughput Limit (Cumulative Increase, Toxics, Offsets) | Y | |
| Part I.2 | Daily Throughput Limit (Cumulative Increase, Toxics) | Y | |
| Part I.3 | Control Requirement (Cumulative Increase, Toxics) | Y | |
| Part I.4 | Recordkeeping (Cumulative Increase) | Y | |
| Part I.7 | Mechanical seals, packing, and compressor seals (Cumulative Increase) | Y | |
| Part I.14 | Facility Limits (Cumulative Increase) | Y | |
| Part I.16b | Source Test Requirements for POC destruction (Cumulative Increase, Toxics) | Y | |
| Part I.17 | Source Test Requirement (BACT, Cumulative Increase, Toxics) | Y | |
| Part I.18 | Cumulative Increase Monitoring (Cumulative Increase) | Y | |
| Part I.18a | NMHC and NOx estimates (Cumulative Increase) | Y | |
| Part I.18b | Estimates of NMHC emissions from sources of fugitive emissions (Cumulative Increase) | Y | |
| Part I.18j | Summary of emissions estimates and reports of non-compliance (Cumulative Increase) | Y | |
| Part II.6 | Safety Relief System (Cumulative Increase) | Y | |

## Table IV – M
## Source-specific Applicable Requirements
## S19, VACUUM HEATER

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| **BAAQMD Regulation 1** | **General Provisions and Definitions (5/2/01)** | | |
| 1-107 | Combination of Emissions | Y | |
| 1-520 | Continuous Emission Monitoring | Y | |
| 1-520.8 | Monitors required by Regulations 10, 12, and Section 2-1-403 | Y | |

# IV. Source Specific Applicable Requirements

## Table IV – M
## Source-specific Applicable Requirements
## S19, VACUUM HEATER

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| 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 | |
| 1-523 | Parametric Monitoring and Recordkeeping Procedures | N | |
| 1-523.1 | Parametric monitor periods of inoperation | Y | |
| 1-523.2 | Limits on periods of inoperation | Y | |
| 1-523.3 | Reports of Violations | N | |
| 1-523.4 | Records | Y | |
| 1-523.5 | Maintenance and calibration | N | |
| 1-602 | Area and Continuous Emission Monitoring Requirements | Y | |
| **SIP Regulation 1** | **General Provisions and Definitions (6/28/99)** | | |
| 1-522 | Continuous Emission Monitoring and Recordkeeping Procedures | Y[1] | |
| 1-522.7 | emission limit exceedance reporting requirements | Y[1] | |
| 1-523 | Parametric Monitoring and Recordkeeping Procedures | Y[1] | |
| 1-523.3 | Reports of Violations | Y[1] | |
| 1-523.5 | Maintenance and calibration | Y[1] | |
| **BAAQMD Regulation 2, Rule 9** | **Interchangeable Emission Reduction Credits (4/7/99)** | | |
| 2-9-301 | Bankable Interchangeable Emission Reduction Credits – General Provisions | N | |
| 2-9-302 | Use of IERC's | N | |
| 2-9-303 | Alternative Compliance Plan using IERC's | N | |
| 2-9-304 | Restrictions on the Use of IERC's | N | |
| 2-9-305 | Conversion of an ERC to an IERC | N | |
| 2-9-306 | Environmental Benefit Surcharge | N | |

# IV. Source Specific Applicable Requirements

## Table IV – M
## Source-specific Applicable Requirements
## S19, VACUUM HEATER

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| 2-9-401 | IERC Application | N | |
| 2-9-401.4 | Use of IERC's in lieu of compliance with the BARCT rule(s) specified in Section 2-9-302. | N | |
| 2-9-402 | Complete IERC Banking Application | N | |
| 2-9-501 | Monitoring and Record Keeping | N | |
| 2-9-502 | Alternative Compliance Plan Record Keeping and Reporting | N | |
| 2-9-601 | Emission Reduction Calculations – General Requirements | N | |
| 2-9-605 | Calculation Procedure to Determine the Required Amount of IERC's for BARCT Compliance | N | |
| **BAAQMD Regulation 6** | **Particulate Matter and Visible Emissions (12/19/90)** | | |
| 6-301 | Ringelmann #1 Limitation | Y | |
| 6-305 | Visible Particles | Y | |
| 6-310 | Particulate Weight Limitation | Y | |
| 6-310.3 | Heat Transfer Operations | Y | |
| 6-401 | Appearance of Emissions | Y | |
| **BAAQMD Regulation 9, Rule 10** | **Inorganic Gaseous Pollutants – Nitrogen Oxides and Carbon Monoxide from Boilers, Steam Generators, and Process Heaters in Petroleum Refineries (7/17/02)** | | |
| 9-10-301 | Emission Limit for Facility, NOx: 0.033 lb NOx/MMBTU | N | |
| 9-10-301.1 | ...Start-up/Shutdown Contribution | N | |
| 9-10-301.2 | ...Out-of-Service Units Contribution | N | |
| 9-10-303 | Emission Limit for Facility (Federal Requirements) | N | |
| 9-10-305 | CO emission limit | N | |
| 9-10-401 | Control Plan Requirements | N | |
| 9-10-501 | Initial Demonstration of Compliance Schedule | N | |
| 9-10-502 | Monitoring | N | |
| 9-10-502.1 | CEMS for NOx, CO, and O2 or equivalent verification system | N | |
| 9-10-502.2 | Fuel flowmeters | N | |
| 9-10-504 | Recordkeeping | N | |
| 9-10-504.1 | Records for sources subject to 9-10-301, 304, or 305, or, effective July 17, 2002, 303 | N | |
| 9-10-505 | Reporting | N | |

# IV. Source Specific Applicable Requirements

## Table IV – M
## Source-specific Applicable Requirements
## S19, VACUUM HEATER

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| 9-10-601 | Determination of Nitrogen Oxides | N | |
| 9-10-602 | Determination of Carbon Monoxide and Stack-Gas Oxygen | N | |
| 9-10-603 | Compliance Determination | Y | |
| **SIP Regulation 9, Rule 10** | **Inorganic Gaseous Pollutants – Nitrogen Oxides and Carbon Monoxide from Boilers, Steam Generators, and Process Heaters in Petroleum Refineries (4/28/01)** | | |
| 9-10-303 | Interim Emission Limit for Facility (Federal Requirements) | Y[1] | |
| 9-10-502 | Monitoring | Y[1] | |
| 9-10-502.1 | CEMS for NOx, CO, and O2 or equivalent verification system | Y[1] | |
| 9-10-502.2 | Fuel flowmeters | Y[1] | |
| **BAAQMD Manual of Procedures, Volume V** | **Continuous Emission Monitoring Policy and Procedures (1/20/82)** | Y | |
| **40 CFR 60 Subpart A** | **General Provisions (2/12/98)** | | |
| 60.13 | Monitoring requirements | Y | |
| 60.13(a) | Continuous monitoring systems subject to Appendix B, and Appendix F, (if used to demonstrate compliance with continuous emission limits), of Part 60 | Y | |
| 60.13(b) | Continuous monitoring systems and devices operational prior to performance tests required by 60.8 | Y | |
| 60.13(d)(1) | Continuous monitoring system zero and span calibration requirements | Y | |
| 60.13(e) | Continuous monitoring system minimum frequency of operation | Y | |
| 60.13(e)(2) | Continuous monitoring system minimum frequency of operation for non-opacity-measuring devices | Y | |
| 60.13(f) | Continuous monitoring system installation location requirement | Y | |
| **40 CFR 60 Subpart J** | **Standards of Performance for Petroleum Refineries (8/17/89)** | | |
| 60.100(a) | Applicability: Claus Sulfur Recovery Plants, FCCU Catalyst Regenerators at Refineries and Fuel Gas Combustion Devices and Fuel Gas Combustion Devices of Refineries. | Y | |
| 60.100(b) | Applicability: Constructed/modified after 6/11/1973 | Y | |

# IV. Source Specific Applicable Requirements

## Table IV – M
## Source-specific Applicable Requirements
## S19, VACUUM HEATER

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| 60.104 | Standards for Sulfur Dioxide | Y | |
| 60.104(a)(1) | fuel gas H2S concentration limited to 230 mg/dscm (0.10 gr/dscf) except for gas burned as a result of process upset or gas burned at flares from relief valve leaks or other emergency malfunctions | Y | |
| 60.105 | Monitoring of Emissions and Operations | Y | |
| 60.105(a)(4) | monitoring requirement for H2S (dry basis) in fuel gas prior to combustion (in lieu of separate combustion device exhaust SO2 monitors as required by 60.105(a)(3)) | Y | |
| 60.105(e) | Determine and report periods of excess emissions. | Y | |
| 60.105(e)(3)(ii) | Excess H2S in fuel gas | Y | |
| 60.106 | Test methods and procedures | Y | |
| 60.106(a) | Test Methods and Procedures | Y | |
| 60.106(e)(1) | Methods to determine compliance with the H2S standard in 60.104(a)(1). | Y | |
| 60.107(e) | Semi-annual compliance report | Y | |
| 60.107(f) | Certification of 60.107(e) report | Y | |
| **40 CFR 60 Appendix B** | **Performance Specifications** | | |
| Performance Specification 7 | H2S continuous emission monitoring systems | Y | |
| **40 CFR 60 Appendix F** | **Quality Assurance Procedures** | | |
| Procedure 1 | QA requirements for gas continuous emission monitoring systems | Y | |
| **40 CFR 63 Subpart CC** | **National Emission Standards for Hazardous Pollutants for Petroleum Refining (8/18/95)** | | |
| 63.643(a)(2) | Control device requirements | Y | |
| 63.643(b) | Boiler or process heater requirements | Y | |
| 63.644(a) | Monitoring Provisions for Miscellaneous Process Vents | Y | |
| 63.644(a)(3) | boiler or process heater in which vent streams are introduced into the flame zone | Y | |
| **BAAQMD Condition** | | | |

# IV. Source Specific Applicable Requirements

## Table IV – M
## Source-specific Applicable Requirements
## S19, VACUUM HEATER

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| **#1240** | | | |
| Part I.3 | Control Requirement (Cumulative Increase, Toxics) | Y | |
| Part I.5 | Asphalt plant Heat Input Limit (Cumulative Increase) | Y | |
| Part I.5a | S19 Heat Input Limit (Cumulative Increase) | Y | |
| Part I.5b | CO Concentration Limit (Cumulative Increase, BACT) | Y | |
| Part I.5c | Hourly CO Limit (Cumulative Increase, BACT) | Y | |
| Part I.6 | Prohibition against combustion of fuel oil or diesel fuel (cumulative increase) | Y | |
| Part I.8 | Low NOX Burner Requirement, NOX emission limit (Cumulative Increase, BACT) | Y | |
| Part I.10 | Requirement for Continuous Recording Oxygen Analyzers (2-1-403) | Y | |
| Part I.11 | H2S Limit for Asphalt Plant's Refinery Process Gas, 3-hr average (NSPS) | Y | |
| Part I.12 | H2S Limit for Asphalt Plant's Refinery Process Gas, 24-hr average (BACT) | Y | |
| Part I.13 | H2S Monitoring (NSPS, BACT) | Y | |
| Part I.14 | Facility Limits (Cumulative Increase) | Y | |
| Part I.16a | Source Test Requirements for NOX and CO limits (Cumulative Increase, Toxics) | Y | |
| Part I.16b | Source Test Requirements for POC destruction (Cumulative Increase, Toxics) | Y | |
| Part I.17 | Source Test Requirement (BACT, Cumulative Increase, Toxics) | Y | |
| Part I.18 | Cumulative Increase Monitoring (Cumulative Increase) | Y | |
| Part I.18a | NMHC and NOx estimates (Cumulative Increase) | Y | |
| Part I.18f | Estimates of NMHC emissions from combustion sources (Cumulative Increase) | Y | |
| Part I.18h | Estimates of NOx emissions from combustion sources (Cumulative Increase) | Y | |
| Part I.18j | Summary of emissions estimates and reports of non-compliance (Cumulative Increase) | Y | |
| Part III.3 | Limitation on H2S in gaseous fuel when vessels are in port (Cumulative Increase) | Y | |

# IV. Source Specific Applicable Requirements

## Table IV – M
## Source-specific Applicable Requirements
## S19, VACUUM HEATER

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| **BAAQMD Condition #19329** | | | |
| Part 1 | Hourly firing limits (Regulation 9, Rule 10, Cumulative Increase) | N | |
| Part 2 | Quarterly and annual reports (Regulation 2-9-303.3) | N | |
| Part 3 | Annual submittal of documents (Regulation 2-9-303.3) | N | |
| Part 4 | Recordkeeping (Regulation 2-9-303.3) | N | |
| **BAAQMD Condition #20617** | | | |
| Part 1 | Firing rates, NOx emission factors (2-9-303.4.1) | Y | 12/1/04 |
| Part 2 | Fuel gas flowmeters and O2 monitors and recorders (9-10-502) | Y | 12/1/04 |
| Part 3 | Demonstration of compliance with Regulation 9, Rule 10 (9-10-502) | Y | 12/1/04 |
| Part 4 | NOx box-operation (9-10-502) | Y | 12/1/04 |
| Part 5 | NOx box establishment (9-10-502) | Y | 12/1/04 |
| Part 6 | NOx box Limits (9-10-502) | Y | 12/1/04 |
| Part 7 | Semi-annual source tests for NOx and CO at maximum NOx (9-10-502) | Y | 12/1/04 |
| Part 8 | Semi-annual source tests for NOx and CO at maximum CO (9-10-502) | Y | 12/1/04 |
| Part 9 | CO CEM requirement if 2 tests above 200 ppmv (9-10-502) | Y | 12/1/04 |
| Part 10 | NOx CEM requirement if 2 violation notices for exceedance of NOx emission factors (9-10-502) | Y | 12/1/04 |
| Part 11 | Records of fuel usage, higher heat content of fuel, O2 levels, and source test data (9-10-502) | Y | 12/1/04 |
| Part 12 | NOx box operating parameters (9-10-502) | Y | 12/1/04 |

[1]This section has been removed from BAAQMD Regulations because it has been superseded. Nevertheless, the source must comply with this regulation until US EPA has reviewed and approved (or disapproved) the District's revision of the regulation.

# IV. Source Specific Applicable Requirements

## Table IV - N
## Source-specific Applicable Requirements
## S20, STEAM BOILER

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| **BAAQMD Regulation 2, Rule 9** | **Interchangeable Emission Reduction Credits (4/7/99)** | | |
| 2-9-301 | Bankable Interchangeable Emission Reduction Credits – General Provisions | N | |
| 2-9-302 | Use of IERC's | N | |
| 2-9-303 | Alternative Compliance Plan using IERC's | N | |
| 2-9-304 | Restrictions on the Use of IERC's | N | |
| 2-9-305 | Conversion of an ERC to an IERC | N | |
| 2-9-306 | Environmental Benefit Surcharge | N | |
| 2-9-401 | IERC Application | N | |
| 2-9-401.4 | Use of IERC's in lieu of compliance with the BARCT rule(s) specified in Section 2-9-302. | N | |
| 2-9-402 | Complete IERC Banking Application | N | |
| 2-9-501 | Monitoring and Record Keeping | N | |
| | Alternative Compliance Plan Record Keeping and Reporting | N | |
| 2-9-601 | Emission Reduction Calculations - General Requirements | N | |
| 2-9-605 | Calculation Procedure to Determine the Required Amount of IERC's for BARCT Compliance | N | |
| **BAAQMD Regulation 6** | **Particulate Matter and Visible Emissions (12/19/90)** | | |
| 6-301 | Ringelmann #1 Limitation | Y | |
| 6-305 | Visible Particles | Y | |
| 6-310 | Particulate Weight Limitation | Y | |
| 6-310.3 | Heat Transfer Operations | Y | |
| 6-401 | Appearance of Emissions | Y | |
| **BAAQMD Regulation 9, Rule 10** | **Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon Monoxide from Boilers, Steam Generators, and Process Heaters in Petroleum Refineries (7/17/02)** | | |
| 9-10-301 | Emission Limit for Facility, NOx: 0.033 lb NOx/MMBTU | N | |
| 9-10-301.1 | ...Start-up/Shutdown Contribution | N | |
| 9-10-301.2 | ...Out-of-Service Units Contribution | N | |
| 9-10-303 | Emission Limit for Facility (Federal Requirements) | N | |
| 9-10-305 | CO emission limit | N | |

# IV. Source Specific Applicable Requirements

## Table IV - N
## Source-specific Applicable Requirements
## S20, STEAM BOILER

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| 9-10-401 | Control Plan Requirements | N | |
| 9-10-501 | Initial Demonstration of Compliance Schedule | N | |
| 9-10-502 | Monitoring | N | |
| 9-10-502.1 | CEMS for NOx, CO, and O2 or equivalent verification system | N | |
| 9-10-502.2 | Fuel flowmeters | N | |
| 9-10-504 | Recordkeeping | N | |
| 9-10-505 | Reporting | N | |
| 9-10-601 | Determination of Nitrogen Oxides | N | |
| 9-10-602 | Determination of Carbon Monoxide and Stack-Gas Oxygen | N | |
| 9-10-603 | Compliance Determination | Y | |
| **SIP Regulation 9, Rule 10** | **Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon Monoxide from Boilers, Steam Generators, and Process Heaters in Petroleum Refineries (3/29/01)** | | |
| 9-10-303 | Interim Emission Limit for Facility (Federal Requirements) | Y[1] | |
| 9-10-502 | Monitoring | Y[1] | |
| 9-10-502.1 | CEMS for NOx, CO, and O2 or equivalent verification system | Y[1] | |
| 9-10-502.2 | Fuel flowmeters | Y[1] | |
| **BAAQMD Condition #1240** | | | |
| Part I.5 | Asphalt plant Heat Input Limit (Cumulative Increase) | Y | |
| Part I.6 | Prohibition against combustion of fuel oil or diesel fuel (cumulative increase) | Y | |
| Part I.10 | Requirement for Continuous Recording Oxygen Analyzers (2-1-403) | Y | |
| Part I.14 | Facility Limits (Cumulative Increase) | Y | |
| Part I.18 | Cumulative Increase Monitoring (Cumulative Increase) | Y | |
| Part I.18a | NMHC and NOx estimates (Cumulative Increase) | Y | |
| Part I.18f | Estimates of NMHC emissions from combustion sources (Cumulative Increase) | Y | |
| Part I.18h | Estimates of NOx emissions from combustion sources (Cumulative Increase) | Y | |
| Part I.18j | Summary of emissions estimates and reports of non-compliance | Y | |

# IV. Source Specific Applicable Requirements

## Table IV - N
## Source-specific Applicable Requirements
## S20, STEAM BOILER

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| | (Cumulative Increase) | | |
| **BAAQMD Condition #19329** | | | |
| Part 1 | Hourly firing limits (Regulation 9, Rule 10, Cumulative Increase) | N | |
| Part 2 | Quarterly and annual reports (Regulation 2-9-303.3) | N | |
| Part 3 | Annual submittal of documents (Regulation 2-9-303.3) | N | |
| Part 4 | Recordkeeping (Regulation 2-9-303.3) | N | |
| **BAAQMD Condition #20617** | | | |
| Part 1 | Firing rates, NOx emission factors (2-9-303.4.1) | Y | 12/1/04 |
| Part 2 | Fuel gas flowmeters and O2 monitors and recorders (9-10-502) | Y | 12/1/04 |
| Part 3 | Demonstration of compliance with Regulation 9, Rule 10 (9-10-502) | Y | 12/1/04 |

[1]This section has been removed from BAAQMD Regulations because it has been superseded. Nevertheless, the source must comply with this regulation until US EPA has reviewed and approved (or disapproved) the District's revision of the regulation.

## Table IV - O
## Source-specific Applicable Requirements
## S21, STEAM BOILER

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| **BAAQMD Regulation 2, Rule 9** | **Interchangeable Emission Reduction Credits (4/7/99)** | | |
| 2-9-301 | Bankable Interchangeable Emission Reduction Credits – General Provisions | N | |
| 2-9-302 | Use of IERC's | N | |
| 2-9-303 | Alternative Compliance Plan using IERC's | N | |
| 2-9-304 | Restrictions on the Use of IERC's | N | |

# IV. Source Specific Applicable Requirements

## Table IV - O
## Source-specific Applicable Requirements
## S21, STEAM BOILER

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| 2-9-305 | Conversion of an ERC to an IERC | N | |
| 2-9-306 | Environmental Benefit Surcharge | N | |
| 2-9-401 | IERC Application | N | |
| 2-9-401.4 | Use of IERC's in lieu of compliance with the BARCT rule(s) specified in Section 2-9-302. | N | |
| 2-9-402 | Complete IERC Banking Application | N | |
| 2-9-501 | Monitoring and Record Keeping | N | |
| | Alternative Compliance Plan Record Keeping and Reporting | N | |
| 2-9-601 | Emission Reduction Calculations - General Requirements | N | |
| 2-9-605 | Calculation Procedure to Determine the Required Amount of IERC's for BARCT Compliance | N | |
| **BAAQMD Regulation 6** | **Particulate Matter and Visible Emissions (12/19/90)** | | |
| 6-301 | Ringelmann #1 Limitation | Y | |
| 6-305 | Visible Particles | Y | |
| 6-310 | Particulate Weight Limitation | Y | |
| 6-310.3 | Heat Transfer Operations | Y | |
| 6-401 | Appearance of Emissions | Y | |
| **BAAQMD Regulation 9, Rule 10** | **Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon Monoxide from Boilers, Steam Generators, and Process Heaters in Petroleum Refineries (7/17/02)** | | |
| 9-10-301 | Emission Limit for Facility, NOx: 0.033 lb NOx/MMBTU | N | |
| 9-10-301.1 | ...Start-up/Shutdown Contribution | N | |
| 9-10-301.2 | ...Out-of-Service Units Contribution | N | |
| 9-10-303 | Emission Limit for Facility (Federal Requirements) | N | |
| 9-10-305 | CO emission limit | N | |
| 9-10-401 | Control Plan Requirements | N | |
| 9-10-501 | Initial Demonstration of Compliance Schedule | N | |
| 9-10-502 | Monitoring | N | |
| 9-10-502.1 | CEMS for NOx, CO, and O2 or equivalent verification system | N | |
| 9-10-502.2 | Fuel flowmeters | N | |
| 9-10-504 | Recordkeeping | N | |
| 9-10-505 | Reporting | N | |

# IV. Source Specific Applicable Requirements

## Table IV - O
## Source-specific Applicable Requirements
## S21, STEAM BOILER

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| 9-10-601 | Determination of Nitrogen Oxides | N | |
| 9-10-602 | Determination of Carbon Monoxide and Stack-Gas Oxygen | N | |
| 9-10-603 | Compliance Determination | Y | |
| **SIP Regulation 9, Rule 10** | **Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon Monoxide from Boilers, Steam Generators, and Process Heaters in Petroleum Refineries (3/29/01)** | | |
| 9-10-303 | Interim Emission Limit for Facility (Federal Requirements) | Y[1] | |
| 9-10-502 | Monitoring | Y[1] | |
| 9-10-502.1 | CEMS for NOx, CO, and O2 or equivalent verification system | Y[1] | |
| 9-10-502.2 | Fuel flowmeters | Y[1] | |
| **BAAQMD Condition #1240** | | | |
| Part I.5 | Asphalt plant Heat Input Limit (Cumulative Increase) | Y | |
| Part I.6 | Prohibition against combustion of fuel oil or diesel fuel (cumulative increase) | Y | |
| Part I.10 | Requirement for Continuous Recording Oxygen Analyzers (2-1-403) | Y | |
| Part I.14 | Facility Limits (Cumulative Increase) | Y | |
| Part I.18 | Cumulative Increase Monitoring (Cumulative Increase) | Y | |
| Part I.18a | NMHC and NOx estimates (Cumulative Increase) | Y | |
| Part I.18f | Estimates of NMHC emissions from combustion sources (Cumulative Increase) | Y | |
| Part I.18h | Estimates of NOx emissions from combustion sources (Cumulative Increase) | Y | |
| Part I.18j | Summary of emissions estimates and reports of non-compliance (Cumulative Increase) | Y | |
| **BAAQMD Condition #19329** | | | |
| Part 1 | Hourly firing limits (Regulation 9, Rule 10, Cumulative Increase) | N | |
| Part 2 | Quarterly and annual reports (Regulation 2-9-303.3) | N | |
| Part 3 | Annual submittal of documents (Regulation 2-9-303.3) | N | |

# IV. Source Specific Applicable Requirements

## Table IV - O
## Source-specific Applicable Requirements
## S21, STEAM BOILER

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| Part 4 | Recordkeeping (Regulation 2-9-303.3) | N | |
| **BAAQMD Condition #20617** | | | |
| Part 1 | Firing rates, NOx emission factors (2-9-303.4.1) | Y | 12/1/04 |
| Part 2 | Fuel gas flowmeters and O2 monitors and recorders (9-10-502) | Y | 12/1/04 |
| Part 3 | Demonstration of compliance with Regulation 9, Rule 10 (9-10-502) | Y | 12/1/04 |

[1]This section has been removed from BAAQMD Regulations because it has been superseded. Nevertheless, the source must comply with this regulation until US EPA has reviewed and approved (or disapproved) the District's revision of the regulation.

# IV. Source Specific Applicable Requirements

## Table IV - P
## Source-specific Applicable Requirements
## S24, HOT OIL HEATER

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| **BAAQMD Regulation 1** | **General Provisions and Definitions (5/2/01)** | | |
| 1-107 | Combination of Emissions | Y | |
| 1-523 | Parametric Monitoring and Recordkeeping Procedures | N | |
| 1-523.1 | Parametric monitor periods of inoperation | Y | |
| 1-523.2 | Limits on periods of inoperation | Y | |
| 1-523.3 | Reports of Violations | N | |
| 1-523.4 | Records | Y | |
| 1-523.5 | Maintenance and calibration | N | |
| **SIP Regulation 1** | **General Provisions and Definitions (6/28/99)** | | |
| 1-523 | Parametric Monitoring and Recordkeeping Procedures | Y[1] | |
| 1-523.3 | Reports of Violations | Y[1] | |
| 1-523.5 | Maintenance and calibration | Y[1] | |
| **BAAQMD Regulation 6** | **Particulate Matter and Visible Emissions (12/19/90)** | | |
| 6-301 | Ringelmann #1 Limitation | Y | |
| 6-305 | Visible Particles | Y | |
| 6-310 | Particulate Weight Limitation | Y | |
| 6-310.3 | Heat Transfer Operations | Y | |
| 6-401 | Appearance of Emissions | Y | |
| **BAAQMD Regulation 8, Rule 5** | **Storage of Organic Liquids (11/27/02)** | | |
| 8-5-306 | Requirements for Approved Emission Control Systems | Y | |
| **BAAQMD Regulation 8, Rule 8** | **Wastewater (Oil-Water) Separators (6/15/94)** | | |
| 8-8-301 | Wastewater separators designed rated capacity greater than 760 liters per day (200 gal/day) and smaller than 18.9 liters per second (300 gal/min) | Y | |
| 8-8-301.3 | An organic compound vapor recovery system with a combined collection and destruction efficiency of at least 95 percent by | Y | |

# IV. Source Specific Applicable Requirements

## Table IV - P
## Source-specific Applicable Requirements
## S24, HOT OIL HEATER

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| | weight. | | |
| 8-8-307 | Air Flotation Unit | Y | |
| 8-8-307.2 | Combined collection and destruction efficiency of 70% by weight | Y | |
| **BAAQMD Regulation 9, Rule 10** | **Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon Monoxide from Boilers, Steam Generators, and Process Heaters in Petroleum Refineries (7/17/02)** | | |
| 9-10-111 | Limited Exemption: Small Units: Between 1 and 10 MMBTU/hr and capable of firing fuel other than natural gas or LPG | N | |
| 9-10-217 | Definition: Small Unit: Between 1 and 10 MMBTU/hr and capable of firing fuel other than natural gas or LPG | Y | |
| 9-10-306 | Small Unit Requirements | Y | |
| 9-10-306.2 | Tune-up requirements | Y | |
| 9-10-402 | Control Plan Requirements, Small Units | N | |
| 9-10-605 | Tune-up Procedures | Y | |
| **SIP Regulation 9, Rule 10** | **Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon Monoxide from Boilers, Steam Generators, and Process Heaters in Petroleum Refineries (3/29/01)** | | |
| 9-10-111 | Limited Exemption: Small Units: Between 1 and 10 MMBTU/hr and capable of firing fuel other than natural gas or LPG | Y[1] | |
| 9-10-402 | Control Plan Requirements, Small Units | Y[1] | |
| **40 CFR 60 Subpart Kb** | **New Source Performance Standard for Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction or Modification Commenced After July 23, 1984.** | | |
| 60.112b(a)(3)(ii) | Standard for Volatile Organic Compounds (VOC); Closed vent system and control device >= 95% inlet VOC emission reduction | Y | |
| 60.113b(c) | Testing and Procedures; Closed vent system and control device (not flare) | Y | |
| 60.113b(c)(1) | Testing and Procedures; Closed vent system and control device (not flare) operating plan submission | Y | |
| 60.113b(c)(1)(i) | Testing and Procedures; Closed vent system and control device (not flare) operating plan--efficiency demonstration | Y | |
| 60.113b(c)(1)(ii) | Testing and Procedures; Closed vent system and control device (not flare) operating plan--monitoring parameters | Y | |

# IV. Source Specific Applicable Requirements

## Table IV - P
## Source-specific Applicable Requirements
## S24, HOT OIL HEATER

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| 60.113b(c)(2) | Testing and Procedures; Closed vent system and control device (not flare) operate in accordance with operating plan | Y | |
| 60.115b(c)(1) | Reporting and Recordkeeping Requirements; Closed vent system and control device (not flare) operating plan copy | Y | |
| 60.115b(c)(2) | Reporting and Recordkeeping Requirements; Closed vent system and control device (not flare) operating records | Y | |
| 60.116b(a) | Monitoring of Operations; Record retention | Y | |
| **40 CFR 60, Subpart UU** | **Standards of Performance for Asphalt Processing and Asphalt Roofing Manufacture (8/6/82)** | | |
| 60.472(c) | Opacity standard | Y | |
| 60.473(c) | Parametric monitoring | Y | |
| 60.473(d) | Exemption from quarterly reports | Y | |
| **40 CFR 61, Subpart FF** | **National Emission Standards for Benzene Waste Operations** | | |
| 61.340(a) | Applicability | Y | |
| 61.343(a)(1)(ii) | Design and operation of closed vent system and control device | Y | |
| 61.349(a) | Closed Vent system design, installation, operation and maintenance | Y | |
| 61.349(a)(1) | Closed Vent system specifications | Y | |
| 61.349(a)(1)(i) | Standards: Closed-vent systems and Control Devices—Closed vent system-no detectable emission >/= 500 ppmv, annual inspection | Y | |
| 61.349(a)(2) | Standards: Closed-Vent Systems and Control Devices; Control device requirements | Y | |
| 61.349(a)(2)(i) | Standards: Closed-Vent Systems and Control Devices; Enclosed combustion device requirements | Y | |
| 61.349(a)(2)(i)(A) | Controlled by enclosed combustion device with greater than 95% control efficiency. | Y | |
| 61.349(b) | Operated at all times. | Y | |
| 61.349(c) | Standards: Closed-Vent Systems and Control Devices; Control Device Performance Demonstration | Y | |
| 61.349(c)(2) | Performance tests | Y | |
| 61.349(e) | Administrator may request performance tests | Y | |
| 61.349(f) | Visually inspect for leaks quarterly | Y | |

# IV. Source Specific Applicable Requirements

## Table IV - P
## Source-specific Applicable Requirements
## S24, HOT OIL HEATER

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| 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 | |
| 61.354(c) | Monitoring of Operations; Closed-vent systems and control devices--Continuously monitor control device operation | Y | |
| 61.354(c)(4) | Monitoring for a boiler or process heater having a design heat input capacity less than 44 MW | Y | |
| 61.356(d) | Engineering design documentation for all control equipment | Y | |
| 61.356(f) | Recordkeeping Requirements: Closed vent system and control device per 61.349--retain for life of device | Y | |
| 61.356(f)(1) | Recordkeeping Requirements: certification of performance level | Y | |
| 61.356(f)(2) | Recordkeeping Requirements: Closed vent system and control device engineering calculations--design analysis | Y | |
| 61.356(f)(2)(i) | Recordkeeping Requirements: Closed vent system and control device engineering calculations--design analysis | Y | |
| 61.356(f)(2)(i)(A) | Recordkeeping Requirements: Closed vent system and control device engineering calculations--design analysis thermal vapor incinerator | Y | |
| 61.356(f)(2)(i)(C) | Recordkeeping Requirements: Closed vent system and control device engineering calculations--design analysis process heater | Y | |
| 61.356(f)(3) | Requirements for performance tests | Y | |
| 61.356(g) | Recordkeeping Requirements: Visual inspection per 61.343 through 61.347 | Y | |
| 61.356(j) | Recordkeeping Requirements: Control device operation | Y | |
| 61.356(j)(1) | Recordkeeping Requirements: dates of startup and shutdown | Y | |
| 61.356(j)(2) | Recordkeeping Requirements: description of parameters | Y | |
| 61.356(j)(3) | Recordkeeping Requirements: periods when closed vent system and control device are not operating | Y | |
| 61.356(j)(4) | Recordkeeping Requirements: Control device operation--Thermal vapor incinerator | Y | |
| 61.357(d)(7) | Reporting Requirements: Quarterly report requirements | Y | |
| 61.357(d)(7)(iv) | Reporting Requirements: Quarterly report--Control device monitored per 61.354(c) | Y | |
| 61.357(d)(7) | Reporting Requirements: Quarterly report--Thermal vapor | Y | |

# IV. Source Specific Applicable Requirements

## Table IV - P
## Source-specific Applicable Requirements
## S24, HOT OIL HEATER

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| (iv)(A) | incinerator | | |
| 61.357(d)(7)(iv)(G) | Reporting Requirements: change of location where vent stream is introduced into flame zone | Y | |
| **BAAQMD Condition #1240** | | | |
| Part I.5 | Asphalt plant Heat Input Limit (Cumulative Increase) | Y | |
| Part I.6 | Prohibition against combustion of fuel oil or diesel fuel (cumulative increase) | Y | |
| Part I.10 | Control requirement for S25 (Cumulative Increase) | Y | |
| Part I.14 | Facility Limits (Cumulative Increase) | Y | |
| Part I.18 | Cumulative Increase Monitoring (Cumulative Increase) | Y | |
| Part I.18a | NMHC and NOx estimates (Cumulative Increase) | Y | |
| Part I.18g | Estimates of NMHC emissions from combustion sources (Cumulative Increase) | Y | |
| Part I.18i | Estimates of NOx emissions from combustion sources (Cumulative Increase) | Y | |
| Part I.18j | Summary of emissions estimates and reports of non-compliance (Cumulative Increase) | Y | |
| Part II.32a | Requirement for control of S13 (8-5-306, NSPS, cumulative increase, toxics) | Y | |
| Part II.32b | Requirement for control of S59 (8-5-306, NSPS, cumulative increase, toxics) | Y | |
| Part II.32c | Requirement for control of S63 (8-5-306, NSPS, cumulative increase, offsets, BACT) | Y | |
| Part II.32d | Fugitive emissions at vapor recovery equipment (BACT) | Y | |
| Part II.43 | Control Requirement for S3 (BACT, Cumulative Increase, offsets) | Y | |
| Part II.44 | Vapor recovery and fugitive emission requirement (BACT, Cumulative Increase, offsets) | Y | |
| Part II.53 | Fugitive emissions at vapor recovery equipment (BACT) | Y | |
| Part II.55 | Control and Destruction Efficiency Requirements (Cumulative Increase, Offsets) | Y | |
| Part II.56 | Control and Destruction Efficiency Requirements (Cumulative | Y | |

# IV. Source Specific Applicable Requirements

## Table IV - P
## Source-specific Applicable Requirements
## S24, HOT OIL HEATER

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| | Increase, Offsets) | | |
| Part II.57 | Control and Destruction Efficiency Requirements (Cumulative Increase, Offsets) | Y | |
| Part II.58b | Continuous Temperature Monitoring(40 CFR 60.113b(c)(1)(ii) and 60.113b(c)(2); 40 CFR 60.473(c); 40 CFR 61.354(c)(4), 61.356(f)(2)(i)(A), and 61.356(f)(2)(i)(C), Regulation 2-6-409.2.2, 2-6-414) | Y | |
| Part II.67 | Control requirement for S54 (Cumulative Increase) | Y | |
| Part II.70 | Control and Destruction Efficiency Requirements (Cumulative Increase) | Y | |
| Part II.85 | Vapor recovery and control requirement (BACT, cumulative increase, contemporaneous emission reductions) | Y | |
| Part II.86 | Fugitive emissions at vapor recovery equipment (BACT) | Y | |
| Part V.1 | NOX and CO limits (Cumulative Increase) | Y | |

[1]This section has been removed from BAAQMD Regulations because it has been superseded. Nevertheless, the source must comply with this regulation until US EPA has reviewed and approved (or disapproved) the District's revision of the regulation.

# IV. Source Specific Applicable Requirements

## Table IV - Q
## Source-specific Applicable Requirements
## S25 EFFLUENT WATER FEED TANK

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| **BAAQMD Regulation 8, Rule 5** | **Organic Compounds, Storage of Organic Liquids (11/27/02)** | | |
| 8-5-117 | Exemption, Low Vapor Pressure | N | |
| **40 CFR 61 Subpart FF** | **National Emission Standards for Benzene Waste Operations** | | |
| 61.340(a) | Applicability: Chemical Manufacturing, Coke by-product recovery, petroleum refineries | Y | |
| 61.343(a) | Standards: Tanks; Benzene-containing wastes | Y | |
| 61.343(a)(1) | Standards: Tanks; Fixed Roof--with closed vent system | Y | |
| 61.343(a)(1)(i)(B) | Standards: Tanks; Fixed Roof--No openings | Y | |
| 61.343(a)(1)(ii) | Standards: Tanks; Closed-vent systems are subject to 61.349 | Y | |
| 61.343(c) | Standards: Tanks; Fixed roof quarterly inspection | Y | |
| 61.349(c)(2) | Performance tests | Y | |
| 61.343(d) | Standards: Tanks; Fixed roof repairs | Y | |
| 61.349(a) | Standards: Closed-Vent Systems and Control Devices; Applicability | Y | |
| 61.349(a)(1) | Standards: Closed-Vent Systems and Control Devices; Closed vent system requirements | Y | |
| 61.349(a)(1)(i) | Standards: Closed-vent systems and Control Devices—Closed vent system-no detectable emission >/= 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) | Standards: Closed-Vent Systems and Control Devices; Control device requirements | Y | |
| 61.349(a)(2)(i) | Standards: Closed-Vent Systems and Control Devices; Enclosed combustion device requirements | Y | |

# IV. Source Specific Applicable Requirements

## Table IV - Q
## Source-specific Applicable Requirements
## S25 EFFLUENT WATER FEED TANK

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| 61.349(a)(2)(i)(A) | Controlled by enclosed combustion device with greater than 95% control efficiency. | Y | |
| 61.349(b) | Operated at all times. | Y | |
| 61.349(c) | Standards: Closed-Vent Systems and Control Devices; Control Device Performance Demonstration | Y | |
| 61.349(c)(2) | Performance tests | Y | |
| 61.349(e) | Administrator may request performance tests | 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 | |
| 61.354(c) | Monitoring of Operations; Closed-vent systems and control devices--Continuously monitor control device operation | Y | |
| 61.354(c)(1) | Monitor thermal vapor incinerator temperature | Y | |
| 61.354(c)(4) | Monitoring for a boiler or process heater having a design heat input capacity less than 44 MW | Y | |
| 61.354(f) | Monitoring of Operations; Closed vent system with bypass line | Y | |
| 61.354(f)(1) | Visually inspect carseal/valve positions monthly | Y | |
| 61.355(i) | Performance test procedures | Y | |
| 61.356(a) | Recordkeeping and retention requirements | Y | |
| 61.356(g) | Recordkeeping Requirements: Visual inspection 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 | |
| 61.356(j) | Recordkeeping Requirements: Control device operation | Y | |
| 61.356(j)(1) | Recordkeeping Requirements: dates of startup and shutdown | Y | |
| 61.356(j)(2) | Recordkeeping Requirements: description of parameters | Y | |
| 61.356(j)(3) | Recordkeeping Requirements: Control device operational upsets | Y | |
| 61.356(j)(3)(i) | Recordkeeping Requirements; Bypass Line Controls | Y | |
| 61.356(j)(4) | Recordkeeping Requirements: Control device operation—Thermal vapor incinerator | Y | |
| 61.356(j)(6) | Recordkeeping Requirements: Control device operation- process heater | Y | |

# IV. Source Specific Applicable Requirements

## Table IV - Q
## Source-specific Applicable Requirements
## S25 EFFLUENT WATER FEED TANK

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| **40 CFR 63 Subpart CC** | **National Emission Standards for Hazardous Pollutants for Petroleum Refining (8/18/95)** | | |
| 63.640(c)(3) | Wastewater steams associated with petroleum refining process units | Y | |
| 63.647(a) | Compliance with 40 CFR 61, Subpart FF, Sections 340 to 355 | Y | |
| 63.647(c) | Operation consistent with minimum or maximum permitted concentrations or operating parameter values | Y | |
| 63.654(a) | Compliance with recordkeeping and reporting provisions in 40 CFR 61, Subpart FF, Sections 356 and 357 | Y | |
| **BAAQMD Condition #1240** | | | |
| Part I.14 | Facility Limits (Cumulative Increase) | Y | |
| Part I.18 | Cumulative Increase Monitoring (Cumulative Increase) | Y | |
| Part I.18a | NMHC and NOx estimates (Cumulative Increase) | Y | |
| Part I.18e | Estimates of NMHC emissions from wastewater sources (Cumulative Increase) | Y | |
| Part I.18j | Summary of emissions estimates and reports of non-compliance (Cumulative Increase) | Y | |
| Part II.10 | Control Requirement (Cumulative Increase) | Y | |

## Table IV - R
## Source-specific Applicable Requirements
## S26, WASTEWATER TANK, ABATED BY CARBON

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| **BAAQMD Regulation 8, Rule 5** | **Organic Compounds, Storage of Organic Liquids (11/27/02)** | | |
| 8-5-117 | Exemption, Low Vapor Pressure | N | |

# IV. Source Specific Applicable Requirements

## Table IV - R
## Source-specific Applicable Requirements
## S26, WASTEWATER TANK, ABATED BY CARBON

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| **40 CFR 61 Subpart FF** | **National Emission Standards for Benzene Waste Operations** | | |
| 61.340(a) | Applicability: Chemical Manufacturing, Coke by-product recovery, petroleum refineries | Y | |
| 61.343(a) | Standards: Tanks; Benzene-containing wastes | Y | |
| 61.343(a)(1) | Standards: Tanks; Fixed Roof—with closed vent system | Y | |
| 61.349(a)(1)(i) | Standards: Closed-vent systems and Control Devices—Closed vent system-no detectable emission >/= 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 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(a) | Standards: Closed-Vent Systems and Control Devices; Applicability | Y | |
| 61.349(a)(1) | Standards: Closed-Vent Systems and Control Devices; Closed vent system requirements | 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) | Standards: Closed-Vent Systems and Control Devices; Control device requirements | Y | |
| 61.349(a)(2)(ii) | Controlled by vapor recovery: 95% VOC or 98% benzene control efficiency. | Y | |
| 61.349(b) | Operated at all times. | Y | |
| 61.349(c) | Standards: Closed-Vent Systems and Control Devices; Control Device Performance Demonstration | Y | |
| 61.349(c)(1) | Demonstrate efficiency required in 61.349(a)(2) | Y | |
| 61.349(c)(2) | Performance tests | Y | |
| 61.349(e) | Administrator may request performance tests | 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 | |
| 61.354(d) | Non-regenerated carbon adsorption system requirements | Y | |
| 61.354(f) | Monitoring of Operations; Closed vent system with bypass line | Y | |

# IV. Source Specific Applicable Requirements

## Table IV - R
## Source-specific Applicable Requirements
## S26, WASTEWATER TANK, ABATED BY CARBON

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| 61.354(f)(1) | Visually inspect carseal/valve positions monthly | Y | |
| 61.355(i) | Performance test procedures | Y | |
| 61.356(a) | Recordkeeping and retention requirements | Y | |
| 61.356(d) | Engineering design documentation for all control equipment | Y | |
| 61.356(f) | Recordkeeping Requirements: Closed vent system and control device per 61.349--retain for life of device | Y | |
| 61.356(f)(1) | Recordkeeping Requirements: Closed vent system and control device engineering calculations-- Certification of performance level | Y | |
| 61.356(f)(2) | Recordkeeping Requirements: Closed vent system and control device engineering calculations--design analysis | Y | |
| 61.356(f)(2)(i) | Recordkeeping Requirements: Closed vent system and control device engineering calculations--design analysis | Y | |
| 61.356(f)(2)(i)(G) | Recordkeeping Requirements: Design analysis carbon absorption system without in-situ regeneration | Y | |
| 61.356(f)(3) | Requirements for performance tests | Y | |
| 61.356(g) | Recordkeeping Requirements: Visual inspection 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 | |
| 61.356(j) | Recordkeeping Requirements: Control device operation | Y | |
| 61.356(j)(1) | Recordkeeping Requirements: Control device operation-dates of startup and shutdown | Y | |
| 61.356(j)(2) | Recordkeeping Requirements: Control device operation-description of parameters | Y | |
| 61.356(j)(3) | Recordkeeping Requirements: Control device operational upsets | Y | |
| 61.356(j)(3)(i) | Recordkeeping Requirements; Bypass Line Controls | Y | |
| 61.356(j)(10) | Recordkeeping Requirements: Control device operation--Carbon absorber without in situ regeneration | Y | |
| 61.357(d)(7) | Reporting Requirements: Quarterly report requirements | Y | |
| 61.357(d)(7)(iv) | Reporting Requirements: Quarterly report--Control device monitored per 61.354(c) | Y | |
| 61.357(d)(7)(iv)(I) | Reporting Requirements-carbon not replaced at proper interval | Y | |
| **40 CFR 63 Subpart CC** | **National Emission Standards for Hazardous Pollutants for Petroleum Refining (8/18/95)** | | |
| 63.640(c)(3) | Wastewater steams associated with petroleum refining process units | Y | |
| 63.647(a) | Compliance with 40 CFR 61, Subpart FF, Sections 340 to 355 | Y | |
| 63.647(c) | Operation consistent with minimum or maximum permitted | Y | |

# IV. Source Specific Applicable Requirements

## Table IV - R
## Source-specific Applicable Requirements
## S26, WASTEWATER TANK, ABATED BY CARBON

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| | concentrations or operating parameter values | | |
| 63.654(a) | Compliance with recordkeeping and reporting provisions in 40 CFR 61, Subpart FF, Sections 356 and 357 | Y | |
| **BAAQMD Condition #1240** | | | |
| Part I.14 | Facility Limits (Cumulative Increase) | Y | |
| Part I.18 | Cumulative Increase Monitoring (Cumulative Increase) | Y | |
| Part I.18a | NMHC and NOx estimates (Cumulative Increase) | Y | |
| Part I.18e | Estimates of NMHC emissions from wastewater sources (Cumulative Increase) | Y | |
| Part I.18j | Summary of emissions estimates and reports of non-compliance (Cumulative Increase) | Y | |

## Table IV - S
## Source-specific Applicable Requirements
## S27, RECOVERED OIL TANK-TK-12A ABATED BY CARBON

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| **BAAQMD Regulation 8, Rule 5** | **Storage of Organic Liquids (11/27/02)** | | |
| 8-5-111 | Limited Exemption, Tank Removal From and Return to Service | Y | |
| 8-5-111.1 | Notice to the APCO | Y | |
| 8-5-111.2 | Compliance before notification | Y | |
| 8-5-111.4 | Use of vapor recovery | Y | |
| 8-5-111.5 | Minimization of emissions | Y | |
| 8-5-111.6 | Written notice of completion not required | Y | |
| 8-5-111.7 | Compliance with Section 8-5-328 | Y | |
| 8-5-112 | Limited Exemption, Tanks in Operation | Y | |
| 8-5-112.1 | Notice to the APCO | Y | |

# IV. Source Specific Applicable Requirements

## Table IV - S
## Source-specific Applicable Requirements
## S27, RECOVERED OIL TANK-TK-12A ABATED BY CARBON

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| 8-5-112.2 | Compliance and certification before commencement of work | Y | |
| 8-5-112.3 | No product movement; minimization of emissions | Y | |
| 8-5-112.4 | Exemption does not exceed 7 days | Y | |
| 8-5-301 | Storage Tank Control Requirements (internal floating roof, external floating roof, or approved emission control system) | Y | |
| 8-5-303 | Requirements for Pressure Vacuum Valve | Y | |
| 8-5-306 | Requirements for Approved Emission Control Systems | Y | |
| 8-5-328 | Tank Degassing Requirements | Y | |
| 8-5-328.2 | Tank degassing when ozone excess is predicted | Y | |
| 8-5-403 | Inspection Requirements for Pressure Vacuum Valves | Y | |
| 8-5-404 | Certification | Y | |
| 8-5-501 | Records | Y | |
| 8-5-501.1 | Records of type and amount of liquids stored and true vapor pressures | Y | |
| 8-5-503 | Portable hydrocarbon detector | Y | |
| 8-5-603 | Determination of emissions | Y | |
| 8-5-603.1 | Determination of Emissions; Organic compounds specified in 8-5-306 | Y | |
| 8-5-605 | Pressure-Vacuum Valve Gas Tight Determination | Y | |
| **40 CFR 61 Subpart FF** | **National Emission Standards for Benzene Waste Operations** | | |
| 61.340(a) | Applicability: Chemical Manufacturing, Coke by-product recovery, petroleum refineries | Y | |
| 61.343(a) | Standards: Tanks; Benzene-containing wastes | Y | |
| 61.343(a)(1) | Standards: Tanks; Fixed Roof--with closed vent system | Y | |
| 61.343(a)(1)(i)(B) | Standards: Tanks; Fixed Roof--No openings | Y | |
| 61.343(a)(1)(ii) | Standards: Tanks; Closed-vent systems 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(a) | Standards: Closed-Vent Systems and Control Devices; Applicability | Y | |
| 61.349(a)(1) | Standards: Closed-Vent Systems and Control Devices; Closed vent system requirements | Y | |
| 61.349(a)(1)(i) | Standards: Closed-vent systems and Control Devices—Closed vent system-no detectable emission >/= 500 ppmv, annual inspection | Y | |

# IV. Source Specific Applicable Requirements

## Table IV - S
## Source-specific Applicable Requirements
## S27, RECOVERED OIL TANK-TK-12A ABATED BY CARBON

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| 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) | Standards: Closed-Vent Systems and Control Devices; Control device requirements | Y | |
| 61.349(a)(2)(i) | Standards: Closed-Vent Systems and Control Devices; Enclosed combustion device requirements | Y | |
| 61.349(a)(2)(i)(A) | Controlled by enclosed combustion device with greater than 95% control efficiency. | Y | |
| 61.349(a)(2)(ii) | Controlled by vapor recovery: 95% VOC or 98% benzene control efficiency. | Y | |
| 61.349(b) | Operated at all times. | Y | |
| 61.349(c) | Standards: Closed-Vent Systems and Control Devices; Control Device Performance Demonstration | Y | |
| 61.349(c)(1) | Demonstrate efficiency required in 61.349(a)(2) | Y | |
| 61.349(c)(2) | Performance tests | Y | |
| 61.349(e) | Administrator may request performance tests | 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 | |
| 61.354(d) | Non-regenerated carbon adsorption system requirements | Y | |
| 61.354(f) | Monitoring of Operations; Closed vent system with bypass line | Y | |
| 61.354(f)(1) | Visually inspect carseal/valve positions monthly | Y | |
| 61.355(i) | Performance test procedures | Y | |
| 61.356(a) | Recordkeeping and retention requirements | Y | |
| 61.356(d) | Engineering design documentation for all control equipment | Y | |
| 61.356(f) | Recordkeeping Requirements: Closed vent system and control device per 61.349--retain for life of device | Y | |
| 61.356(f)(1) | Recordkeeping Requirements: Closed vent system and control device engineering calculations--design analysis | Y | |
| 61.356(f)(2) | Recordkeeping Requirements: Closed vent system and control device engineering calculations--design analysis | Y | |
| 61.356(f)(2)(i) | Recordkeeping Requirements: Closed vent system and control device engineering calculations--design analysis | Y | |
| 61.356(f)(2)(i)(G) | Recordkeeping Requirements: Design analysis carbon absorption system without in-situ regeneration | Y | |

# IV. Source Specific Applicable Requirements

## Table IV - S
## Source-specific Applicable Requirements
## S27, RECOVERED OIL TANK-TK-12A ABATED BY CARBON

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| 61.356(f)(3) | Requirements for performance tests | Y | |
| 61.356(g) | Recordkeeping Requirements: Visual inspection 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 | |
| 61.356(j) | Recordkeeping Requirements: Control device operation | Y | |
| 61.356(j)(1) | Recordkeeping Requirements: Control device operation-dates of startup and shutdown | Y | |
| 61.356(j)(2) | Recordkeeping Requirements: Control device operation-description of parameters | Y | |
| 61.356(j)(3) | Recordkeeping Requirements: Control device operational upsets | Y | |
| 61.356(j)(3)(i) | Recordkeeping Requirements; Bypass Line Controls | Y | |
| 61.356(j)(10) | Recordkeeping Requirements: Control device operation--Carbon absorber without in situ regeneration | Y | |
| 61.357(d)(7) | Reporting Requirements: Quarterly report requirements | Y | |
| 61.357(d)(7)(iv) | Reporting Requirements: Quarterly report--Control device monitored per 61.354(c) | Y | |
| 61.357(d)(7)(iv)(I) | Reporting Requirements | Y | |
| **BAAQMD Condition #1240** | | | |
| Part I.14 | Facility Limits (Cumulative Increase) | Y | |
| Part I.18 | Cumulative Increase Monitoring (Cumulative Increase) | Y | |
| Part I.18a | NMHC and NOx estimates (Cumulative Increase) | Y | |
| Part I.18e | Estimates of NMHC emissions from wastewater sources (Cumulative Increase) | Y | |
| Part I.18j | Summary of emissions estimates and reports of non-compliance (Cumulative Increase) | Y | |

# IV. Source Specific Applicable Requirements

## Table IV - T
## Source-specific Applicable Requirements
## S28 EFFLUENT WATER FEED TANK

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| **BAAQMD Regulation 8, Rule 5** | **Organic Compounds, Storage of Organic Liquids (11/27/02)** | | |
| 8-5-117 | Exemption, Low Vapor Pressure | N | |
| **40 CFR 61 Subpart FF** | **National Emission Standards for Benzene Waste Operations** | | |
| 61.340(a) | Applicability: Chemical Manufacturing, Coke by-product recovery, petroleum refineries | Y | |
| 61.343(a) | Standards: Tanks; Benzene-containing wastes | Y | |
| 61.343(a)(1) | Standards: Tanks; Fixed Roof--with closed vent system | Y | |
| 61.343(a)(1)(i)(B) | Standards: Tanks; Fixed Roof--No openings | Y | |
| 61.343(a)(1)(ii) | Standards: Tanks; Closed-vent systems 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(a) | Standards: Closed-Vent Systems and Control Devices; Applicability | Y | |
| 61.349(a)(1) | Standards: Closed-Vent Systems and Control Devices; Closed vent system requirements | Y | |
| 61.349(a)(1)(i) | Standards: Closed-vent systems and Control Devices—Closed vent system-no detectable emission >/= 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) | Standards: Closed-Vent Systems and Control Devices; Control device requirements | Y | |
| 61.349(a)(2)(i) | Standards: Closed-Vent Systems and Control Devices; Enclosed combustion device requirements | Y | |
| 61.349(a)(2) | Controlled by enclosed combustion device with greater than 95% | Y | |

# IV. Source Specific Applicable Requirements

## Table IV - T
## Source-specific Applicable Requirements
## S28 EFFLUENT WATER FEED TANK

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| (i)(A) | control efficiency. | | |
| 61.349(b) | Operated at all times. | Y | |
| 61.349(c) | Standards: Closed-Vent Systems and Control Devices; Control Device Performance Demonstration | Y | |
| 61.349(c)(2) | Performance tests | Y | |
| 61.349(e) | Administrator may request performance tests | 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 | |
| 61.354(c) | Monitoring of Operations; Closed-vent systems and control devices--Continuously monitor control device operation | Y | |
| 61.354(c)(1) | Monitor thermal vapor incinerator temperature | Y | |
| 61.354(c)(4) | Monitoring for a boiler or process heater having a design heat input capacity less than 44 MW | Y | |
| 61.354(f) | Monitoring of Operations; Closed vent system with bypass line | Y | |
| 61.354(f)(1) | Visually inspect carseal/valve positions monthly | Y | |
| 61.355(i) | Performance test procedures | Y | |
| 61.356(a) | Recordkeeping and retention requirements | Y | |
| 61.356(g) | Recordkeeping Requirements: Visual inspection 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 | |
| 61.356(j) | Recordkeeping Requirements: Control device operation | Y | |
| 61.356(j)(1) | Recordkeeping Requirements: dates of startup and shutdown | Y | |
| 61.356(j)(2) | Recordkeeping Requirements: description of parameters | Y | |
| 61.356(j)(3) | Recordkeeping Requirements: Control device operational upsets | Y | |
| 61.356(j)(3)(i) | Recordkeeping Requirements; Bypass Line Controls | Y | |
| 61.356(j)(4) | Recordkeeping Requirements: Control device operation—Thermal vapor incinerator | Y | |
| 61.356(j)(6) | Recordkeeping Requirements: Control device operation- process heater | Y | |
| **40 CFR 63** | **National Emission Standards for Hazardous Pollutants for** | | |

# IV. Source Specific Applicable Requirements

## Table IV - T
## Source-specific Applicable Requirements
## S28 EFFLUENT WATER FEED TANK

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| **Subpart CC** | **Petroleum Refining (8/18/95)** | | |
| 63.640(c)(3) | Wastewater steams associated with petroleum refining process units | Y | |
| 63.647(a) | Compliance with 40 CFR 61, Subpart FF, Sections 340 to 355 | Y | |
| 63.647(c) | Operation consistent with minimum or maximum permitted concentrations or operating parameter values | Y | |
| 63.654(a) | Compliance with recordkeeping and reporting provisions in 40 CFR 61, Subpart FF, Sections 356 and 357 | Y | |
| **BAAQMD Condition #1240** | | | |
| Part I.14 | Facility Limits (Cumulative Increase) | Y | |
| Part I.18 | Cumulative Increase Monitoring (Cumulative Increase) | Y | |
| Part I.18a | NMHC and NOx estimates (Cumulative Increase) | Y | |
| Part I.18e | Estimates of NMHC emissions from wastewater sources (Cumulative Increase) | Y | |
| Part I.18j | Summary of emissions estimates and reports of non-compliance (Cumulative Increase) | Y | |

# IV. Source Specific Applicable Requirements

## Table IV - U
## Source-specific Applicable Requirements
## S29, NAPHTHA MEROX TREATER

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| **BAAQMD Regulation 8, Rule 10** | **Organic Compound – Process Vessel Depressurization (7/20/83)** | | |
| 8-10-301 | Process Vessel Depressurizing. POC emissions shall be vented through a knock-out pot and then abated in one of the following ways, to as low a vessel pressure as possible, but at least until pressure is reduced to less than 1000 mm Hg: | Y | |
| 8-10-301.1 | recovery to the fuel gas system | Y | |
| 8-10-301.2 | combustion at a firebox or incinerator | Y | |
| 8-10-301.3 | combustion at a flare | Y | |
| 8-10-301.4 | containment such that emissions to atmosphere do not occur | Y | |
| 8-10-401 | Turnaround Records. The following records shall be kept for each process unit turnaround, and retained for at least 2 years and made available to the District on demand during inspections: | Y | |
| 8-10-401.1 | date of depressurization event | Y | |
| 8-10-401.2 | approximate vessel hydrocarbon concentration when emissions to atmosphere begin | Y | |
| 8-10-401.3 | approximate quantity of POC emissions to atmosphere | Y | |
| **BAAQMD Condition #1240** | | | |
| Part I.7 | Mechanical seals, packing, and compressor seals (Cumulative Increase) | Y | |
| Part I.14 | Facility Limits (Cumulative Increase) | Y | |
| Part I.18 | Cumulative Increase Monitoring (Cumulative Increase) | Y | |
| Part I.18a | NMHC and NOx estimates (Cumulative Increase) | Y | |
| Part I.18b | Estimates of NMHC emissions from sources of fugitive emissions (Cumulative Increase) | Y | |
| Part I.18j | Summary of emissions estimates and reports of non-compliance (Cumulative Increase) | Y | |

# IV. Source Specific Applicable Requirements

## Table IV - V
## Source-specific Applicable Requirements
## S30, MARINE LOADING DOCK

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| **40 CFR 63 Subpart Y** | **National Emission Standards for Marine Tank Vessel Loading Operations** | | |
| 63.560(a) | Maximum Achievable Control Technology (MACT) Applicability | Y | |
| 63.560(a)(2) | MACT does not apply to existing sources with emissions < 10 or 25 tons | Y | |
| 63.560(a)(3) | Record keeping in 63.567(j)(4) and emission estimation in 63.565(l) apply to existing sources < 10 and 25 tons of hazardous air pollutants | Y | |
| 63.560(b) | Applicability and Designation of Affected Source | Y | |
| 63.560(b)(2) | RACT Standards do not Apply to Marine Loading Operations with Throughput Less Than 10 M and 200 M Barrels | Y | |
| 63.565(l) | Emission estimation procedures | Y | |
| 63.567(j)(4) | Retain records of emission estimates per 63.565(l), and actual throughputs, by commodity, for 5 years | Y | |
| **BAAQMD Condition #1240** | | | |
| Part III.1 | Limitation on number of ships and weight (Cumulative Increase) | Y | |
| Part III.2 | Limitation on sulfur content of fuel oil for ship engines. Use of dedicated tanks for ballasting (Cumulative Increase) | Y | |
| Part III.3 | Limitation on H2S in gaseous fuel when vessels are in port (Cumulative Increase) | Y | |
| Part III.4 | Access to tankers (Regulation 1-440) | Y | |
| Part III.5 | Monthly reports (Cumulative Increase) | Y | |
| Part III.6 | Throughput limit and limit on number of barges per month (Cumulative Increase) | Y | |
| Part III.7 | Prohibition against loading organic liquids as defined by Regulation 8-44-204 (Synthetic Minor Condition) | Y | |
| Part III.8 | Prohibition against loading into vessels with a prior cargo of organic liquids as defined by Regulation 8-44-204 (Synthetic Minor Condition) | Y | |
| Part III.9 | Recordkeeping (Cumulative Increase) | Y | |

# IV. Source Specific Applicable Requirements

## Table IV - W
## Source-specific Applicable Requirements
## S31, RAIL CAR GAS OIL AND ASPHALT LOADING RACK

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| **BAAQMD Regulation 6** | **Particulate Matter and Visible Emissions (12/19/90)** | | |
| 6-301 | Ringelmann #1 Limitation | Y | |
| 6-305 | Visible Particles | Y | |
| 6-310 | Particulate Weight Limitation | Y | |
| 6-401 | Appearance of Emissions | Y | |
| **BAAQMD Regulation 8, Rule 6** | **Organic Liquid Bulk Terminals And Bulk Plants (2/2/94)** | | |
| 8-6-114 | Exemption, Maintenance and Repair | Y | |
| 8-6-301 | Bulk Terminal Limitations | Y | |
| 8-6-305 | Delivery Vehicle Requirements | Y | |
| 8-6-306 | Equipment Maintenance | Y | |
| 8-6-307 | Operating Practices | Y | |
| 8-6-501 | Efficiency and Rate Determination | Y | |
| 8-6-502 | Portable Hydrocarbon Detector | Y | |
| **BAAQMD Regulation 8, Rule 15** | **Organic Compounds, Emulsified and Liquid Asphalts (6/1/94)** | | |
| 8-15-305 | Prohibition of Manufacture and Sale | Y | |
| 8-15-501 | Records | Y | |
| **BAAQMD Condition #1240** | | | |
| Part I.14 | Facility Limits (Cumulative Increase) | Y | |
| Part I.18 | Cumulative Increase Monitoring (Cumulative Increase) | Y | |
| Part I.18a | NMHC and NOx estimates (Cumulative Increase) | Y | |
| Part I.18d | Estimates of NMHC emissions from loading racks (Cumulative Increase) | Y | |
| Part I.18j | Summary of emissions estimates and reports of non-compliance (Cumulative Increase) | Y | |
| Part II.58b | Continuous Temperature Monitoring (40 CFR 60.473(c), | Y | |

# IV. Source Specific Applicable Requirements

## Table IV - W
## Source-specific Applicable Requirements
## S31, RAIL CAR GAS OIL AND ASPHALT LOADING RACK

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| | 2-6-409.2.2) | | |
| Part II.66 | Control Requirement (Cumulative Increase) | Y | |
| Part II.69 | Destruction Efficiency Requirement (Cumulative Increase, BACT) | Y | |
| Part II.72 | Vapor Pressure Requirement (Cumulative Increase, offsets, toxics) | Y | |
| Part II.73 | Vapor Pressure Requirement for Asphalt (Cumulative Increase, offsets, toxics) | | |
| Part II.74 | Asphalt Throughput Requirement | Y | |
| Part II.75 | Recordkeeping Requirement (Cumulative Increase) | Y | |

## Table IV - X
## Source-specific Applicable Requirements
## S34, TANK HEATER

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| **BAAQMD Regulation 6** | **Particulate Matter and Visible Emissions (12/19/90)** | | |
| 6-301 | Ringelmann #1 Limitation | Y | |
| 6-305 | Visible Particles | Y | |
| 6-310 | Particulate Weight Limitation | Y | |
| 6-310.3 | Heat Transfer Operations | Y | |
| 6-401 | Appearance of Emissions | Y | |
| **BAAQMD Regulation 9, Rule 10** | **Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon Monoxide from Boilers, Steam Generators, and Process Heaters in Petroleum Refineries (7/17/02)** | | |
| 9-10-110.1 | Exemptions | Y | |
| **BAAQMD Condition #1240** | | | |
| Part I.5 | Asphalt plant Heat Input Limit (Cumulative Increase) | Y | |
| Part I.6 | Prohibition against combustion of fuel oil or diesel fuel (cumulative increase) | Y | |

# IV. Source Specific Applicable Requirements

## Table IV - X
## Source-specific Applicable Requirements
## S34, TANK HEATER

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| Part I.14 | Facility Limits (Cumulative Increase) | Y | |
| Part I.18 | Cumulative Increase Monitoring (Cumulative Increase) | Y | |
| Part I.18a | NMHC and NOx estimates (Cumulative Increase) | Y | |
| Part I.18g | Estimates of NMHC emissions from combustion sources (Cumulative Increase) | Y | |
| Part I.18i | Estimates of NOx emissions from combustion sources (Cumulative Increase) | Y | |
| Part I.18j | Summary of emissions estimates and reports of non-compliance (Cumulative Increase) | Y | |

## Table IV - Y
## Source-specific Applicable Requirements
## S39, LUBE OIL TANK

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| **BAAQMD Regulation 8, Rule 5** | **Organic Compounds, Storage of Organic Liquids (11/27/02)** | | |
| 8-5-117 | Exemption, Low Vapor Pressure | N | |
| **BAAQMD Condition #1240** | | | |
| Part I.14 | Facility Limits (Cumulative Increase) | Y | |

# IV. Source Specific Applicable Requirements

## Table IV - Z
## Source-specific Applicable Requirements
## S40, LATEX STORAGE TANK

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| **BAAQMD Regulation 8, Rule 5** | **Organic Compounds, Storage of Organic Liquids (11/27/02)** | | |
| 8-5-117 | Exemption, Low Vapor Pressure | N | |
| **BAAQMD Condition #1240** | | | |
| Part I.14 | Facility Limits (Cumulative Increase) | Y | |

## Table IV - AA
## Source-specific Applicable Requirements
## S41, WEMCO HYDROTREATER

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| **BAAQMD Regulation 8, Rule 8** | **Wastewater (Oil-Water) Separators (6/15/94)** | | |
| 8-8-114 | Exemption, Bypassed Oil-Water Separator or Air Flotation Influent | Y | |
| 8-8-303 | Gauging and Sampling Devices | Y | |
| 8-8-307 | Air Flotation Unit | Y | |
| 8-8-307.2 | Combined collection and destruction efficiency of 70% by weight | Y | |
| 8-8-501 | API Separator or Air Flotation Bypassed Wastewater Records | Y | |
| 8-8-504 | Portable Hydrocarbon Detector | Y | |
| 8-8-601 | Wastewater Analysis for Critical OCs | Y | |
| **40 CFR 61 Subpart FF** | **National Emission Standards for Benzene Waste Operations** | | |
| 61.340(a) | Applicability | Y | |
| 61.347(a) | Except as provided in 61.352 of this subpart, each oil-water separator shall meet the following standards: | Y | |
| 61.347(a)(1) | Install, operate, and maintain a fixed-roof and closed vent system | Y | |

# IV. Source Specific Applicable Requirements

## Table IV - AA
## Source-specific Applicable Requirements
## S41, WEMCO HYDROTREATER

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| | that routes all organic vapors vented from the oil-water separator to a control device. | | |
| 61.347(a)(1)(i)(A) | Standards: Oil Water Separators | Y | |
| 61.347(a)(1)(i)(B) | Standards: Oil-Water Separators; Fixed roof--No openings | Y | |
| 61.347(a)(1)(ii) | Closed-vent systems are subject to 61.349. | Y | |
| 61.347(b) | Cover seals, access hatches , and other openings shall be checked visually initially and quarterly thereafter to ensure no cracks, gaps occur between the cover and wall and that access hatches are closed and gasketted properly. | Y | |
| 61.347(c) | except for delay or repair, when a broken seal or gasket or other problem is identified, or when detectable emissions are measured, first efforts repairs shall be made AS SOON AS POSSIBLE, but not later than 15 calendar days after identification | Y | |
| 61.349(a) | Standards: Closed-Vent Systems and Control Devices; Applicability | Y | |
| 61.349(a)(1) | Standards: Closed-Vent Systems and Control Devices; Closed vent system requirements | Y | |
| 61.349(a)(1)(i) | Standards: Closed-vent systems and Control Devices—Closed vent system-no detectable emission >/= 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) | Standards: Closed-Vent Systems and Control Devices; Control device requirements | Y | |
| 61.349(a)(2)(i) | Standards: Closed-Vent Systems and Control Devices; Enclosed combustion device requirements | Y | |
| 61.349(a)(2)(i)(A) | Controlled by enclosed combustion device with greater than 95% control efficiency. | Y | |

# IV. Source Specific Applicable Requirements

## Table IV - AA
## Source-specific Applicable Requirements
## S41, WEMCO HYDROTREATER

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| 61.349(b) | Operated at all times. | Y | |
| 61.349(c) | Standards: Closed-Vent Systems and Control Devices; Control Device Performance Demonstration | Y | |
| 61.349(c)(2) | Performance tests | Y | |
| 61.349(e) | Administrator may request performance tests | 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 | |
| 61.354(c) | Monitoring of Operations; Closed-vent systems and control devices--Continuously monitor control device operation | Y | |
| 61.354(c)(1) | Monitor thermal vapor incinerator temperature | Y | |
| 61.354(c)(4) | Monitoring for a boiler or process heater having a design heat input capacity less than 44 MW | Y | |
| 61.354(f) | Monitoring of Operations; Closed vent system with bypass line | Y | |
| 61.354(f)(1) | Visually inspect carseal/valve positions monthly | Y | |
| 61.355(i) | Performance test procedures | Y | |
| 61.356(f) | Recordkeeping Requirements: Closed vent system and control device per 61.349--retain for life of device | Y | |
| 61.356(f)(1) | Recordkeeping Requirements: certification of performance level | Y | |
| 61.356(f)(3) | Requirements for performance tests | Y | |
| 61.356(g) | Recordkeeping Requirements: Visual inspection per 61.343 through 61.347 | Y | |
| 61.356(j) | Recordkeeping Requirements: Control device operation | Y | |
| 61.356(j)(1) | Recordkeeping Requirements: dates of startup and shutdown | Y | |
| 61.356(j)(2) | Recordkeeping Requirements: description of parameters | Y | |
| 61.356(j)(3) | Recordkeeping Requirements: periods when closed vent system and control device are not operating | Y | |
| 61.356(j)(3)(i) | Recordkeeping Requirements; Bypass Line Controls | Y | |
| 61.356(j)(4) | Recordkeeping Requirements: Control device operation--Thermal vapor incinerator | Y | |
| 61.356(j)(6) | Recordkeeping Requirements: Control device operation- process heater | Y | |

# IV. Source Specific Applicable Requirements

## Table IV - AA
## Source-specific Applicable Requirements
## S41, WEMCO HYDROTREATER

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| **40 CFR 63 Subpart CC** | **National Emission Standards for Hazardous Pollutants for Petroleum Refining (8/18/95)** | | |
| 63.640(c)(3) | Wastewater steams associated with petroleum refining process units | Y | |
| 63.647(a) | Compliance with 40 CFR 61, Subpart FF, Sections 340 to 355 | Y | |
| 63.647(c) | Operation consistent with minimum or maximum permitted concentrations or operating parameter values | Y | |
| 63.654(a) | Compliance with recordkeeping and reporting provisions in 40 CFR 61, Subpart FF, Sections 356 and 357 | Y | |
| **BAAQMD Condition #1240** | | | |
| Part I.14 | Facility Limits (Cumulative Increase) | Y | |
| Part I.18 | Cumulative Increase Monitoring (Cumulative Increase) | Y | |
| Part I.18a | NMHC and NOx estimates (Cumulative Increase) | Y | |
| Part I.18e | Estimates of NMHC emissions from wastewater sources (Cumulative Increase) | Y | |
| Part I.18j | Summary of emissions estimates and reports of non-compliance (Cumulative Increase) | Y | |
| Part II.58b | Continuous Temperature Monitoring (40 CFR 60.113b(c)(1)(ii) and 60.113b(c)(2); 40 CFR 60.473(c); 40 CFR 61.354(c)(4), 61.356(f)(2)(i)(A), and 61.356(f)(2)(i)(C), Regulation 2-6-409.2.2, 2-6-414) | Y | |
| Part II.92 | Throughput Limit (Cumulative Increase) | Y | |
| Part II.92a | Recordkeeping (Cumulative Increase) | Y | |

# IV. Source Specific Applicable Requirements

## Table IV - AB
## Source-specific Applicable Requirements
## S51, S52, S53, S60, SALES TANKS-ASPHALT LIQUID

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| **BAAQMD Regulation 6** | **Particulate Matter and Visible Emissions (12/19/90)** | | |
| 6-301 | Ringelmann #1 Limitation | Y | |
| 6-305 | Visible Particles | Y | |
| 6-310 | Particulate Weight Limitation | Y | |
| 6-401 | Appearance of Emissions | Y | |
| **BAAQMD Regulation 8, Rule 5** | **Organic Compounds, Storage of Organic Liquids (11/27/02)** | | |
| 8-5-117 | Exemption, Low Vapor Pressure | N | |
| **BAAQMD Regulation 8, Rule 15** | **Organic Compounds, Emulsified and Liquid Asphalts (6/1/94)** | | |
| 8-15-305 | Prohibition of Manufacture and Sale | Y | |
| 8-15-501 | Records | Y | |
| **40 CFR 60, Subpart UU** | **Standards of Performance for Asphalt Processing and Asphalt Roofing Manufacture (8/6/82)** | | |
| 60.472(c) | Opacity standard | Y | |
| 60.473(c) | Parametric monitoring | Y | |
| 60.473(d) | Exemption from quarterly reports | Y | |
| **40 CFR 63 Subpart CC** | **National Emission Standards for Hazardous Pollutants for Petroleum Refining (8/18/95)** | | |
| 63.646(b)(1) | Storage Vessel Provisions--Determine stored liquid % OHAP for group determination | Y | |
| 63.646(b)(2) | Storage Vessel Provisions--Determine stored liquid % OHAP-method 18 to resolve disputes | Y | |
| 63.654(i)(1) | Reporting and Recordkeeping Requirements--Recordkeeping for storage vessels | Y | |
| 63.654(i)(1)(iv) | Reporting and Recordkeeping Requirements--Recordkeeping for storage vessels | Y | |
| 63.654(i)(4) | Reporting and Recordkeeping Requirements--Recordkeeping--Record retention | Y | |
| **BAAQMD** | | | |

# IV. Source Specific Applicable Requirements

## Table IV - AB
## Source-specific Applicable Requirements
## S51, S52, S53, S60, SALES TANKS-ASPHALT LIQUID

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| **Condition #1240** | | | |
| Part I.14 | Facility Limits (Cumulative Increase) | Y | |
| Part I.18 | Cumulative Increase Monitoring (Cumulative Increase) | Y | |
| Part I.18a | NMHC and NOx estimates (Cumulative Increase) | Y | |
| Part I.18c | Estimates of NMHC emissions from tanks (Cumulative Increase) | Y | |
| Part I.18j | Summary of emissions estimates and reports of non-compliance (Cumulative Increase) | Y | |
| Part II.48 | Throughput Limit (Cumulative Increase, Offsets) | Y | |
| Part II.49 | Prohibition against cutback asphalt (Toxics) | Y | |
| Part II.50 | Vapor Pressure Limit (Cumulative Increase, Offsets) | Y | |
| Part II.56 | Control and Destruction Efficiency Requirements (Cumulative Increase, Offsets) | Y | |
| Part II.58 | Recordkeeping Requirement (Cumulative Increase) | Y | |
| Part II.58b | Continuous Temperature Monitoring (40 CFR 60.113b(c)(1)(ii) and 60.113b(c)(2); 40 CFR 60.473(c); 40 CFR 61.354(c)(4), 61.356(f)(2)(i)(A), and 61.356(f)(2)(i)(C), Regulation 2-6-409.2.2, 2-6-414) | Y | |

## Table IV - AC
## Source-specific Applicable Requirements
## S54, ASPHALT LOADING RACK

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| **BAAQMD Regulation 6** | **Particulate Matter and Visible Emissions (12/19/90)** | | |
| 6-301 | Ringelmann #1 Limitation | Y | |
| 6-305 | Visible Particles | Y | |
| 6-310 | Particulate Weight Limitation | Y | |
| 6-401 | Appearance of Emissions | Y | |

# IV. Source Specific Applicable Requirements

## Table IV - AC
## Source-specific Applicable Requirements
## S54, ASPHALT LOADING RACK

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| **BAAQMD Regulation 8, Rule 6** | **Organic Liquid Bulk Terminals And Bulk Plants (2/2/94)** | | |
| 8-6-110 | Low Vapor Pressure Exemption | Y | |
| 8-6-503 | Burden of Proof for Low Vapor Pressure Exemption | Y | |
| 8-6-603 | Analysis of Samples, True Vapor Pressure | Y | |
| **BAAQMD Regulation 8, Rule 15** | **Organic Compounds, Emulsified and Liquid Asphalts (6/1/94)** | | |
| 8-15-305 | Prohibition of Manufacture and Sale | Y | |
| 8-15-501 | Records | Y | |
| **BAAQMD Condition #1240** | | | |
| Part I.14 | Facility Limits (Cumulative Increase) | Y | |
| Part I.18 | Cumulative Increase Monitoring (Cumulative Increase) | Y | |
| Part I.18a | NMHC and NOx estimates (Cumulative Increase) | Y | |
| Part I.18d | Estimates of NMHC emissions from loading racks (Cumulative Increase) | Y | |
| Part I.18j | Summary of emissions estimates and reports of non-compliance (Cumulative Increase) | Y | |
| Part II.58b | Continuous Temperature Monitoring (40 CFR 60.113b(c)(1)(ii) and 60.113b(c)(2); 40 CFR 60.473(c); 40 CFR 61.354(c)(4), 61.356(f)(2)(i)(A), and 61.356(f)(2)(i)(C), Regulation 2-6-409.2.2, 2-6-414) | Y | |
| Part II.67 | Control Requirement (Cumulative Increase) | Y | |
| Part II.70 | Destruction Efficiency Requirement (Cumulative Increase, BACT) | Y | |
| Part II.71 | Vapor Pressure Requirement (Cumulative Increase, offsets) | Y | |
| Part II.74 | Asphalt Throughput Requirement | Y | |
| Part II.75 | Recordkeeping Requirement (Cumulative Increase) | Y | |
| Part IV.2 | Asphalt truck inspections. (1-301) | N | |
| Part IV.3 | Notification to trucking companies (1-301) | N | |

# IV. Source Specific Applicable Requirements

## Table IV - AD
## Source-specific Applicable Requirements
## S59, GAS OIL TANK #5

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| **BAAQMD Regulation 8, Rule 5** | **Storage of Organic Liquids (11/27/02)** | | |
| 8-5-111 | Limited Exemption, Tank Removal From and Return to Service | Y | |
| 8-5-111.1 | Notice to the APCO | Y | |
| 8-5-111.2 | Compliance before notification | Y | |
| 8-5-111.4 | Use of vapor recovery | Y | |
| 8-5-111.5 | Minimization of emissions | Y | |
| 8-5-111.6 | Written notice of completion not required | Y | |
| 8-5-111.7 | Compliance with Section 8-5-328 | Y | |
| 8-5-112 | Limited Exemption, Tanks in Operation | Y | |
| 8-5-112.1 | Notice to the APCO | Y | |
| 8-5-112.2 | Compliance and certification before commencement of work | Y | |
| 8-5-112.3 | No product movement; minimization of emissions | Y | |
| 8-5-112.4 | Exemption does not exceed 7 days | Y | |
| 8-5-301 | Storage Tank Control Requirements (internal floating roof, external floating roof, or approved emission control system) | Y | |
| 8-5-303 | Requirements for Pressure Vacuum Valve | Y | |
| 8-5-306 | Requirements for Approved Emission Control Systems | Y | |
| 8-5-328 | Tank Degassing Requirements | Y | |
| 8-5-328.1.2 | Concentration of organic compounds in tank of < 10,000 ppm as methane after degassing | Y | |
| 8-5-328.2 | Tank degassing when ozone excess is predicted | Y | |
| 8-5-403 | Inspection Requirements for Pressure Vacuum Valves | Y | |
| 8-5-404 | Certification | Y | |
| 8-5-501 | Records | Y | |
| 8-5-501.1 | Records of type and amount of liquids stored and true vapor pressures | Y | |
| 8-5-503 | Portable hydrocarbon detector | Y | |
| 8-5-603 | Determination of emissions | Y | |
| 8-5-603.1 | Determination of Emissions; Organic compounds specified in | Y | |

# IV. Source Specific Applicable Requirements

## Table IV - AD
## Source-specific Applicable Requirements
## S59, GAS OIL TANK #5

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| | 8-5-306 | | |
| 8-5-605 | Pressure-Vacuum Valve Gas Tight Determination | Y | |
| **40 CFR 60 Subpart Kb** | **New Source Performance Standard for Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction or Modification Commenced After July 23, 1984.** | | |
| 60.110b(a) | Applicability and Designation of Affected Facility; Volatile organic liquid storage vessels > or = to 40 cubic meter, after 7/23/1984 | Y | |
| 60.112b(a)(3) | Closed vent system and control device | Y | |
| 60.112b(a)(3)(i) | Standard for Volatile Organic Compounds (VOC); Closed vent system and control device no detectable emissions | Y | |
| 60.112b(a)(3)(ii) | Standard for Volatile Organic Compounds (VOC); Closed vent system and control device >= 95% inlet VOC emission reduction | Y | |
| 60.113b(c) | Testing and Procedures; Closed vent system and control device (not flare) | Y | |
| 60.113b(c)(1) | Testing and Procedures; Closed vent system and control device (not flare) operating plan submission | Y | |
| 60.113b(c)(1)(i) | Testing and Procedures; Closed vent system and control device (not flare) operating plan--efficiency demonstration | Y | |
| 60.113b(c)(1)(ii) | Testing and Procedures; Closed vent system and control device (not flare) operating plan--monitoring parameters | Y | |
| 60.113b(c)(2) | Testing and Procedures; Closed vent system and control device (not flare) operate in accordance with operating plan | Y | |
| 60.115b | Reporting and Recordkeeping Requirements; 60.112b(a) tanks | Y | |
| 60.115b(c)(1) | Reporting and Recordkeeping Requirements; Closed vent system and control device (not flare) operating plan copy | Y | |
| 60.115b(c)(2) | Reporting and Recordkeeping Requirements; Closed vent system and control device (not flare) operating records | Y | |
| 60.116b(a) | Monitoring of Operations; Record retention | Y | |
| 60.116b(b) | Monitoring of Operations; Permanent record requirements | Y | |
| 60.116b(g) | Monitoring of Operations; Exemption from 116b(c) and 116b(d) | Y | |
| **40 CFR 63 Subpart CC** | **National Emission Standards for Hazardous Air Pollutants for Petroleum Refineries (06/12/1996)** | | |
| 63.640(c)(2) | Storage vessels associated with petroleum refining process units | Y | |

# IV. Source Specific Applicable Requirements

## Table IV - AD
## Source-specific Applicable Requirements
## S59, GAS OIL TANK #5

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| 63.640(n)(1) | Applicability and Designation of Affected Source Overlap for Storage Vessels--Existing Group 1 or Group 2 also subject to Kb only subject to Kb. | Y | |
| 63.640(n)(8) | Compliance with 40 CFR 60, Subpart Kb with some exceptions | Y | |
| **BAAQMD Condition #1240** | | | |
| Part I.14 | Facility Limits (Cumulative Increase) | Y | |
| Part I.18 | Cumulative Increase Monitoring (Cumulative Increase) | Y | |
| Part I.18a | NMHC and NOx estimates (Cumulative Increase) | Y | |
| Part I.18c | Estimates of NMHC emissions from tanks (Cumulative Increase) | Y | |
| Part I.18j | Summary of emissions estimates and reports of non-compliance (Cumulative Increase) | Y | |
| Part II.30 | Storage of Materials other than Kerosene, Light or Heavy Vacuum Gas Oil, or Asphalt (Cumulative Increase, Toxics) | Y | |
| Part II.31 | Vapor Pressure Limit (Cumulative Increase, Toxics) | Y | |
| Part II.31a | Monitoring for vapor pressure limit | Y | |
| Part II.32b | Control and Destruction Efficiency Requirement (Regulation 8-5-306, NSPS, Cumulative Increase, Toxics) | Y | |
| Part II.33a | Throughput Limit (Cumulative Increase, Toxics) | Y | |
| Part II.34 | Recordkeeping (Cumulative Increase) | Y | |
| Part II.58b | Continuous Temperature Monitoring (40 CFR 60.113b(c)(1)(ii) and 60.113b(c)(2); 40 CFR 60.473(c); 40 CFR 61.354(c)(4), 61.356(f)(2)(i)(A), and 61.356(f)(2)(i)(C), Regulation 2-6-409.2.2, 2-6-414) | Y | |

# IV. Source Specific Applicable Requirements

## Table IV - AE
## Source-specific Applicable Requirements
## S61, S62-ASPHALT STORAGE TANKS

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| **BAAQMD Regulation 6** | **Particulate Matter and Visible Emissions (12/19/90)** | | |
| 6-301 | Ringelmann #1 Limitation | Y | |
| 6-305 | Visible Particles | Y | |
| 6-310 | Particulate Weight Limitation | Y | |
| 6-401 | Appearance of Emissions | Y | |
| **BAAQMD Regulation 8, Rule 5** | **Organic Compounds, Storage of Organic Liquids (11/27/02)** | | |
| 8-5-117 | Exemption, Low Vapor Pressure | N | |
| **BAAQMD Regulation 8, Rule 15** | **Organic Compounds, Emulsified and Liquid Asphalts (6/1/94)** | | |
| 8-15-305 | Prohibition of Manufacture and Sale | Y | |
| 8-15-501 | Records | Y | |
| **40 CFR 60, Subpart UU** | **Standards of Performance for Asphalt Processing and Asphalt Roofing Manufacture (8/6/82)** | | |
| 60.472(c) | Opacity standard | Y | |
| 60.473(c) | Parametric monitoring | Y | |
| 60.473(d) | Exemption from quarterly reports | Y | |
| **40 CFR 63 Subpart CC** | **National Emission Standards for Hazardous Pollutants for Petroleum Refining (8/18/95)** | | |
| 63.646(b)(1) | Storage Vessel Provisions--Determine stored liquid % OHAP for group determination | Y | |
| 63.646(b)(2) | Storage Vessel Provisions--Determine stored liquid % OHAP-method 18 to resolve disputes | Y | |
| 63.654(i)(1) | Reporting and Recordkeeping Requirements--Recordkeeping for storage vessels | Y | |
| 63.654(i)(1)(iv) | Reporting and Recordkeeping Requirements--Recordkeeping for storage vessels | Y | |
| 63.654(i)(4) | Reporting and Recordkeeping Requirements--Recordkeeping--Record retention | Y | |
| **BAAQMD** | | | |

# IV. Source Specific Applicable Requirements

## Table IV - AE
## Source-specific Applicable Requirements
## S61, S62-ASPHALT STORAGE TANKS

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| **Condition #1240** | | | |
| Part I.14 | Facility Limits (Cumulative Increase) | Y | |
| Part I.18 | Cumulative Increase Monitoring (Cumulative Increase) | Y | |
| Part I.18a | NMHC and NOx estimates (Cumulative Increase) | Y | |
| Part I.18c | Estimates of NMHC emissions from tanks (Cumulative Increase) | Y | |
| Part I.18j | Summary of emissions estimates and reports of non-compliance (Cumulative Increase) | Y | |
| Part II.48 | Throughput Limit (Cumulative Increase, Offsets) | Y | |
| Part II.49 | Prohibition against cutback asphalt (Toxics) | Y | |
| Part II.51 | Vapor Pressure Limit (Cumulative Increase, Offsets, NSPS, BACT) | Y | |
| Part II.57 | Control and Destruction Efficiency Requirements (Cumulative Increase, Offsets) | Y | |
| Part II.58 | Recordkeeping Requirement (Cumulative Increase) | Y | |
| Part II.58b | Continuous Temperature Monitoring (40 CFR 60.113b(c)(1)(ii) and 60.113b(c)(2); 40 CFR 60.473(c); 40 CFR 61.354(c)(4), 61.356(f)(2)(i)(A), and 61.356(f)(2)(i)(C), Regulation 2-6-409.2.2, 2-6-414) | Y | |

## Table IV - AF
## Source-specific Applicable Requirements
## S63, TANK 31

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| **BAAQMD Regulation 8, Rule 5** | **Storage of Organic Liquids (11/27/02)** | | |
| 8-5-111 | Limited Exemption, Tank Removal From and Return to Service | Y | |
| 8-5-111.1 | Notice to the APCO | Y | |
| 8-5-111.2 | Compliance before notification | Y | |

# IV. Source Specific Applicable Requirements

## Table IV - AF
## Source-specific Applicable Requirements
## S63, TANK 31

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| 8-5-111.4 | Use of vapor recovery | Y | |
| 8-5-111.5 | Minimization of emissions | Y | |
| 8-5-111.6 | Written notice of completion not required | Y | |
| 8-5-111.7 | Compliance with Section 8-5-328 | Y | |
| 8-5-112 | Limited Exemption, Tanks in Operation | Y | |
| 8-5-112.1 | Notice to the APCO | Y | |
| 8-5-112.2 | Compliance and certification before commencement of work | Y | |
| 8-5-112.3 | No product movement; minimization of emissions | Y | |
| 8-5-112.4 | Exemption does not exceed 7 days | Y | |
| 8-5-301 | Storage Tank Control Requirements (internal floating roof, external floating roof, or approved emission control system) | Y | |
| 8-5-303 | Requirements for Pressure Vacuum Valve | Y | |
| 8-5-306 | Requirements for Approved Emission Control Systems | Y | |
| 8-5-328 | Tank Degassing Requirements | Y | |
| 8-5-328.1.2 | Concentration of organic compounds in tank of < 10,000 ppm as methane after degassing | Y | |
| 8-5-328.2 | Tank degassing when ozone excess is predicted | Y | |
| 8-5-403 | Inspection Requirements for Pressure Vacuum Valves | Y | |
| 8-5-404 | Certification | Y | |
| 8-5-501 | Records | Y | |
| 8-5-501.1 | Records of type and amount of liquids stored and true vapor pressures | Y | |
| 8-5-503 | Portable hydrocarbon detector | Y | |
| 8-5-603 | Determination of emissions | Y | |
| 8-5-603.1 | Determination of Emissions; Organic compounds specified in 8-5-306 | Y | |
| 8-5-605 | Pressure-Vacuum Valve Gas Tight Determination | Y | |
| **40 CFR 60 Subpart Kb** | **New Source Performance Standard for Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction or Modification Commenced After July 23, 1984.** | | |
| 60.110b(a) | Applicability and Designation of Affected Facility; Volatile organic liquid storage vessels > or = to 40 cubic meter, after 7/23/1984 | Y | |
| 60.112b(a)(3)(i) | Standard for Volatile Organic Compounds (VOC); Closed vent | Y | |

# IV. Source Specific Applicable Requirements

## Table IV - AF
## Source-specific Applicable Requirements
## S63, TANK 31

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| | system and control device no detectable emissions | | |
| 60.112b(a)(3)(ii) | Standard for Volatile Organic Compounds (VOC); Closed vent system and control device >= 95% inlet VOC emission reduction | Y | |
| 60.113b(c) | Testing and Procedures; Closed vent system and control device (not flare) | Y | |
| 60.113b(c)(1) | Testing and Procedures; Closed vent system and control device (not flare) operating plan submission | Y | |
| 60.113b(c)(1)(i) | Testing and Procedures; Closed vent system and control device (not flare) operating plan--efficiency demonstration | Y | |
| 60.113b(c)(1)(ii) | Testing and Procedures; Closed vent system and control device (not flare) operating plan--monitoring parameters | Y | |
| 60.113b(c)(2) | Testing and Procedures; Closed vent system and control device (not flare) operate in accordance with operating plan | Y | |
| 60.115b | Reporting and Recordkeeping Requirements; 60.112b(a) tanks | Y | |
| 60.115b(c)(1) | Reporting and Recordkeeping Requirements; Closed vent system and control device (not flare) operating plan copy | Y | |
| 60.115b(c)(2) | Reporting and Recordkeeping Requirements; Closed vent system and control device (not flare) operating records | Y | |
| 60.116b(a) | Monitoring of Operations; Record retention | Y | |
| 60.116b(b) | Monitoring of Operations; Permanent record requirements | Y | |
| 60.116b(g) | Monitoring of Operations; Exemption from 116b(c) and 116b(d) | Y | |
| **40 CFR 63 Subpart CC** | **National Emission Standards for Hazardous Air Pollutants for Petroleum Refineries (06/12/1996)** | | |
| 63.640(c)(2) | Storage vessels associated with petroleum refining process units | Y | |
| 63.640(n)(1) | Applicability and Designation of Affected Source Overlap for Storage Vessels--Existing Group 1 or Group 2 also subject to Kb only subject to Kb. | Y | |
| 63.640(n)(8) | Compliance with 40 CFR 60, Subpart Kb with some exceptions | Y | |
| **BAAQMD Condition #1240** | | | |
| Part I.14 | Facility Limits (Cumulative Increase) | Y | |
| Part I.18 | Cumulative Increase Monitoring (Cumulative Increase) | Y | |

# IV. Source Specific Applicable Requirements

## Table IV - AF
## Source-specific Applicable Requirements
## S63, TANK 31

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| Part I.18a | NMHC and NOx estimates (Cumulative Increase) | Y | |
| Part I.18c | Estimates of NMHC emissions from tanks (Cumulative Increase) | Y | |
| Part I.18j | Summary of emissions estimates and reports of non-compliance (Cumulative Increase) | Y | |
| Part II.30 | Storage of Materials other than Kerosene, Light or Heavy Vacuum Gas Oil, or Asphalt (Cumulative Increase, Toxics) | Y | |
| Part II.31 | Vapor Pressure Limit (Cumulative Increase, Toxics) | Y | |
| Part II.31a | Monitoring for vapor pressure limit | Y | |
| Part II.32c | Control and Destruction Efficiency Requirement (Regulation 8-5-306, NSPS, Cumulative Increase, Toxics) | Y | |
| Part II.32d | Fugitive emissions at vapor recovery equipment (BACT) | Y | |
| Part II.33a | Throughput Limit (Cumulative Increase, Toxics) | Y | |
| Part II.33b | Prohibition against cutback asphalt materials (Toxics) | Y | |
| Part II.34 | Recordkeeping (Cumulative Increase) | Y | |
| Part II.58b | Continuous Temperature Monitoring (40 CFR 60.113b(c)(1)(ii) and 60.113b(c)(2); 40 CFR 60.473(c); 40 CFR 61.354(c)(4), 61.356(f)(2)(i)(A), and 61.356(f)(2)(i)(C), Regulation 2-6-409.2.2, 2-6-414) | Y | |

## Table IV – AG
## Source-specific Applicable Requirements
## S65-ASPHALT STORAGE TANK

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| **BAAQMD Regulation 6** | **Particulate Matter and Visible Emissions (12/19/90)** | | |
| 6-301 | Ringelmann #1 Limitation | Y | |
| 6-305 | Visible Particles | Y | |

# IV. Source Specific Applicable Requirements

## Table IV – AG
## Source-specific Applicable Requirements
## S65-ASPHALT STORAGE TANK

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| 6-310 | Particulate Weight Limitation | Y | |
| 6-401 | Appearance of Emissions | Y | |
| **BAAQMD Regulation 8, Rule 5** | **Organic Compounds, Storage of Organic Liquids (11/27/02)** | | |
| 8-5-117 | Exemption, Low Vapor Pressure | N | |
| **BAAQMD Regulation 8, Rule 15** | **Organic Compounds, Emulsified and Liquid Asphalts (6/1/94)** | | |
| 8-15-305 | Prohibition of Manufacture and Sale | Y | |
| 8-15-501 | Records | Y | |
| **40 CFR 60, Subpart UU** | **Standards of Performance for Asphalt Processing and Asphalt Roofing Manufacture (8/6/82)** | | |
| 60.472(c) | Opacity standard | Y | |
| 60.473(c) | Parametric monitoring | Y | |
| 60.473(d) | Exemption from quarterly reports | Y | |
| **40 CFR 63 Subpart CC** | **National Emission Standards for Hazardous Pollutants for Petroleum Refining (8/18/95)** | | |
| 63.646(b)(1) | Storage Vessel Provisions--Determine stored liquid % OHAP for group determination | Y | |
| 63.646(b)(2) | Storage Vessel Provisions--Determine stored liquid % OHAP-method 18 to resolve disputes | Y | |
| 63.654(i)(1) | Reporting and Recordkeeping Requirements--Recordkeeping for storage vessels | Y | |
| 63.654(i)(1)(iv) | Reporting and Recordkeeping Requirements--Recordkeeping for storage vessels | Y | |
| 63.654(i)(4) | Reporting and Recordkeeping Requirements--Recordkeeping--Record retention | Y | |
| **BAAQMD Condition #1240** | | | |
| Part I.14 | Facility Limits (Cumulative Increase) | Y | |
| Part I.18 | Cumulative Increase Monitoring (Cumulative Increase) | Y | |
| Part I.18a | NMHC and NOx estimates (Cumulative Increase) | Y | |

# IV. Source Specific Applicable Requirements

## Table IV – AG
## Source-specific Applicable Requirements
## S65-ASPHALT STORAGE TANK

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| Part I.18c | Estimates of NMHC emissions from tanks (Cumulative Increase) | Y | |
| Part I.18j | Summary of emissions estimates and reports of non-compliance (Cumulative Increase) | Y | |
| Part II.48 | Throughput Limit (Cumulative Increase, Offsets) | Y | |
| Part II.49 | Prohibition against cutback asphalt (Toxics) | Y | |
| Part II.52 | Vapor Pressure Limit (Cumulative Increase, Offsets, BACT) | Y | |
| Part II.53 | Fugitive Emission Requirement (BACT, Cumulative Increase) | Y | |
| Part II.56 | Control and Destruction Efficiency Requirements (Cumulative Increase, Offsets) | Y | |
| Part II.58 | Recordkeeping Requirement (Cumulative Increase) | Y | |
| Part II.58b | Continuous Temperature Monitoring (40 CFR 60.113b(c)(1)(ii) and 60.113b(c)(2); 40 CFR 60.473(c); 40 CFR 61.354(c)(4), 61.356(f)(2)(i)(A), and 61.356(f)(2)(i)(C), Regulation 2-6-409.2.2, 2-6-414) | Y | |

## Table IV - AH
## Source-specific Applicable Requirements
## S66, OIL WATER SEPARATOR

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| **BAAQMD Regulation 8, Rule 8** | **Wastewater (Oil-Water) Separators (6/15/94)** | | |
| 8-8-114 | Exemption, Bypassed Oil-Water Separator or Air Flotation Influent | Y | |
| 8-8-301 | Wastewater separators designed rated capacity greater than 760 liters per day (200 gal/day) and smaller than 18.9 liters per second (300 gal/min) | Y | |
| 8-8-301.3 | An organic compound vapor recovery system with a combined collection and destruction efficiency of at least 95 percent by weight. | Y | |

# IV. Source Specific Applicable Requirements

## Table IV - AH
## Source-specific Applicable Requirements
## S66, OIL WATER SEPARATOR

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| 8-8-303 | Gauging and Sampling Devices | Y | |
| 8-8-501 | API Separator or Air Flotation Bypassed Wastewater Records | Y | |
| 8-8-504 | Portable Hydrocarbon Detector | Y | |
| 8-8-601 | Wastewater Analysis for Critical OCs | Y | |
| 8-8-602 | Determination of Emissions | Y | |
| **40 CFR 61 Subpart FF** | **National Emission Standards for Benzene Waste Operations** | | |
| 61.340(a) | Applicability | Y | |
| 61.347(a) | Except as provided in 61.352 of this subpart, each oil-water separator shall meet the following standards: | Y | |
| 61.347(a)(1) | Install, operate, and maintain a fixed-roof and closed vent system that routes all organic vapors vented from the oil-water separator to a control device. | Y | |
| 61.347(a)(1)(i)(A) | Standards: Oil Water Separators | Y | |
| 61.347(a)(1)(i)(B) | Standards: Oil-Water Separators; Fixed roof--No openings | Y | |
| 61.347(a)(1)(ii) | Closed-vent systems are subject to 61.349. | Y | |
| 61.347(b) | Cover seals, access hatches , and other openings shall be checked visually initially and quarterly thereafter to ensure no cracks, gaps occur between the cover and wall and that access hatches are closed and gasketted properly. | Y | |
| 61.347(c) | except for delay or repair, when a broken seal or gasket or other problem is identified, or when detectable emissions are measured, first efforts repairs shall be made AS SOON AS POSSIBLE, but not later than 15 calendar days after identification | Y | |
| 61.349(a) | Standards: Closed-Vent Systems and Control Devices; Applicability | Y | |
| 61.349(a)(1) | Standards: Closed-Vent Systems and Control Devices; Closed vent system requirements | Y | |
| 61.349(a)(1)(i) | Standards: Closed-vent systems and Control Devices—Closed vent system-no detectable emission >/= 500 ppmv, annual inspection | Y | |
| 61.349(a)(1) | Car-sealed valves on bypass lines in closed-vent system | Y | |

# IV. Source Specific Applicable Requirements

## Table IV - AH
## Source-specific Applicable Requirements
## S66, OIL WATER SEPARATOR

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| (ii)(B) | | | |
| 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) | Standards: Closed-Vent Systems and Control Devices; Control device requirements | Y | |
| 61.349(a)(2)(i) | Standards: Closed-Vent Systems and Control Devices; Enclosed combustion device requirements | Y | |
| 61.349(a)(2)(i)(A) | Controlled by enclosed combustion device with greater than 95% control efficiency. | Y | |
| 61.349(b) | Operated at all times. | Y | |
| 61.349(c) | Standards: Closed-Vent Systems and Control Devices; Control Device Performance Demonstration | Y | |
| 61.349(c)(1) | Demonstrate efficiency required in 61.349(a)(2) | Y | |
| 61.349(e) | Administrator may request tests | 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 | |
| 61.354(c) | Monitoring of Operations; Closed-vent systems and control devices--Continuously monitor control device operation | Y | |
| 61.354(c)(4) | Monitoring for a boiler or process heater having a design heat input capacity less than 44 MW | Y | |
| 61.354(f) | Monitoring of Operations; Closed vent system with bypass line | Y | |
| 61.354(f)(1) | Visually inspect carseal/valve positions monthly | Y | |
| 61.355(i) | Performance test procedures | Y | |
| 61.356(f) | Recordkeeping Requirements: Closed vent system and control device per 61.349--retain for life of device | Y | |
| 61.356(f)(1) | Recordkeeping Requirements: certification of performance level | Y | |
| 61.356(f)(3) | Requirements for performance tests | Y | |
| 61.356(g) | Recordkeeping Requirements: Visual inspection per 61.343 through 61.347 | Y | |
| 61.356(j) | Recordkeeping Requirements: Control device operation | Y | |

# IV. Source Specific Applicable Requirements

## Table IV - AH
## Source-specific Applicable Requirements
## S66, OIL WATER SEPARATOR

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| 61.356(j)(1) | Recordkeeping Requirements: dates of startup and shutdown | Y | |
| 61.356(j)(2) | Recordkeeping Requirements: description of parameters | Y | |
| 61.356(j)(3) | Recordkeeping Requirements: periods when closed vent system and control device are not operating | Y | |
| 61.356(j)(3)(i) | Recordkeeping Requirements; Bypass Line Controls | Y | |
| 61.356(j)(4) | Recordkeeping Requirements: Control device operation--Thermal vapor incinerator | Y | |
| 61.356(j)(6) | Recordkeeping Requirements: Control device operation- process heater | Y | |
| **40 CFR 63 Subpart CC** | **National Emission Standards for Hazardous Air Pollutants for Petroleum Refineries (06/12/1996)** | | |
| 63.640(o)(1) | Overlap: Sources subject to National Emission Standards for Hazardous Air Pollutants (MACT) Subpart CC and NSPS Subpart QQQ are only required to comply with Subpart CC provisions | Y | |
| **40 CFR 63 Subpart CC** | **National Emission Standards for Hazardous Pollutants for Petroleum Refining (8/18/95)** | | |
| 63.640(c)(3) | Wastewater steams associated with petroleum refining process units | Y | |
| 63.647(a) | Compliance with 40 CFR 61, Subpart FF, Sections 340 to 355 | Y | |
| 63.647(c) | Operation consistent with minimum or maximum permitted concentrations or operating parameter values | Y | |
| 63.654(a) | Compliance with recordkeeping and reporting provisions in 40 CFR 61, Subpart FF, Sections 356 and 357 | Y | |
| **BAAQMD Condition #1240** | | | |
| Part I.14 | Facility Limits (Cumulative Increase) | Y | |
| Part I.18 | Cumulative Increase Monitoring (Cumulative Increase) | Y | |
| Part I.18a | NMHC and NOx estimates (Cumulative Increase) | Y | |
| Part I.18e | Estimates of NMHC emissions from wastewater sources (Cumulative Increase) | Y | |
| Part I.18j | Summary of emissions estimates and reports of non-compliance (Cumulative Increase) | Y | |

# IV. Source Specific Applicable Requirements

## Table IV - AH
## Source-specific Applicable Requirements
## S66, OIL WATER SEPARATOR

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| Part II.58b | Continuous Temperature Monitoring (40 CFR 60.113b(c)(1)(ii) and 60.113b(c)(2); 40 CFR 60.473(c); 40 CFR 61.354(c)(4), 61.356(f)(2)(i)(A), and 61.356(f)(2)(i)(C), Regulation 2-6-409.2.2, 2-6-414) | Y | |
| Part II.83 | Throughput limit (Cumulative Increase) | Y | |
| Part II.84 | Vapor tightness of cover and access opening (Regulation 8-8) | Y | |
| Part II.85 | Vapor recovery and control requirement (BACT, cumulative increase, contemporaneous emission reductions) | Y | |
| Part II.86 | Negative pressure and fugitive emission requirement (BACT, cumulative increase, contemporaneous emission reductions) | Y | |
| Part II.87 | Monitoring and recordkeeping (Cumulative increase) | Y | |
| Part II.88 | Monitoring and recordkeeping (Cumulative increase) | Y | |

# IV. Source Specific Applicable Requirements

## Table IV - AI
## Source-specific Applicable Requirements
## S67-RECOVERED OIL TANK

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| **BAAQMD Regulation 8, Rule 5** | **Storage of Organic Liquids (11/27/02)** | | |
| 8-5-111 | Limited Exemption, Tank Removal From and Return to Service | Y | |
| 8-5-111.1 | Notice to the APCO | Y | |
| 8-5-111.2 | Compliance before notification | Y | |
| 8-5-111.4 | Use of vapor recovery | Y | |
| 8-5-111.5 | Minimization of emissions | Y | |
| 8-5-111.6 | Written notice of completion not required | Y | |
| 8-5-111.7 | Compliance with Section 8-5-328 | Y | |
| 8-5-112 | Limited Exemption, Tanks in Operation | Y | |
| 8-5-112.1 | Notice to the APCO | Y | |
| 8-5-112.2 | Compliance and certification before commencement of work | Y | |
| 8-5-112.3 | No product movement; minimization of emissions | Y | |
| 8-5-112.4 | Exemption does not exceed 7 days | Y | |
| 8-5-301 | Storage Tank Control Requirements (internal floating roof, external floating roof, or approved emission control system) | Y | |
| 8-5-303 | Requirements for Pressure Vacuum Valve | Y | |
| 8-5-306 | Requirements for Approved Emission Control Systems | Y | |
| 8-5-328 | Tank Degassing Requirements | Y | |
| 8-5-328.2 | Tank degassing when ozone excess is predicted | Y | |
| 8-5-403 | Inspection Requirements for Pressure Vacuum Valves | Y | |
| 8-5-404 | Certification | Y | |
| 8-5-501 | Records | Y | |
| 8-5-501.1 | Records of type and amount of liquids stored and true vapor pressures | Y | |
| 8-5-503 | Portable hydrocarbon detector | Y | |
| 8-5-603 | Determination of emissions | Y | |
| 8-5-603.1 | Determination of Emissions; Organic compounds specified in 8-5-306 | Y | |
| 8-5-605 | Pressure-Vacuum Valve Gas Tight Determination | Y | |
| **40 CFR 61 Subpart FF** | **National Emission Standards for Benzene Waste Operations (1/7/93)** | | |
| 61.340(a) | Applicability: Chemical Manufacturing, Coke by-product recovery, petroleum refineries | Y | |
| 61.343(a) | Standards: Tanks; Benzene-containing wastes | Y | |

# IV. Source Specific Applicable Requirements

## Table IV - AI
## Source-specific Applicable Requirements
## S67-RECOVERED OIL TANK

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| 61.343(a)(1) | Standards: Tanks; Fixed Roof--with closed vent system | Y | |
| 61.343(a)(1)(i)(B) | Standards: Tanks; Fixed Roof--No openings | Y | |
| 61.343(a)(1)(ii) | Standards: Tanks; Closed-vent systems 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(a) | Standards: Closed-Vent Systems and Control Devices; Applicability | Y | |
| 61.349(a)(1) | Standards: Closed-Vent Systems and Control Devices; Closed vent system requirements | Y | |
| 61.349(a)(1)(i) | Standards: Closed-vent systems and Control Devices—Closed vent system-no detectable emission >/= 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) | Standards: Closed-Vent Systems and Control Devices; Control device requirements | Y | |
| 61.349(a)(2)(i) | Standards: Closed-Vent Systems and Control Devices; Enclosed combustion device requirements | Y | |
| 61.349(a)(2)(i)(A) | Controlled by enclosed combustion device with greater than 95% control efficiency. | Y | |
| 61.349(b) | Operated at all times. | Y | |
| 61.349(c) | Standards: Closed-Vent Systems and Control Devices; Control Device Performance Demonstration | Y | |
| 61.349(c)(2) | Performance tests | Y | |
| 61.349(e) | Administrator may request performance tests | 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 | |
| 61.354(c) | Monitoring of Operations; Closed-vent systems and control devices--Continuously monitor control device operation | Y | |
| 61.354(c)(4) | Monitoring for a boiler or process heater having a design heat input capacity less than 44 MW | Y | |
| 61.354(f) | Monitoring of Operations; Closed vent system with bypass line | Y | |
| 61.354(f)(1) | Visually inspect carseal/valve positions monthly | Y | |
| 61.355(i) | Performance test procedures | Y | |

# IV. Source Specific Applicable Requirements

## Table IV - AI
## Source-specific Applicable Requirements
## S67-RECOVERED OIL TANK

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| 61.356(a) | Recordkeeping and retention requirements | Y | |
| 61.356(f)(3) | Requirements for performance tests | Y | |
| 61.356(g) | Recordkeeping Requirements: Visual inspection 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 | |
| 61.356(j) | Recordkeeping Requirements: Control device operation | Y | |
| 61.356(j)(1) | Recordkeeping Requirements: dates of startup and shutdown | Y | |
| 61.356(j)(2) | Recordkeeping Requirements: description of parameters | Y | |
| 61.356(j)(3) | Recordkeeping Requirements: Control device operational upsets | Y | |
| 61.356(j)(3)(i) | Recordkeeping Requirements; Bypass Line Controls | Y | |
| 61.356(j)(4) | Recordkeeping Requirements: Control device operation--Thermal vapor incinerator | Y | |
| 61.356(j)(6) | Recordkeeping Requirements: Control device operation- process heater | Y | |
| **BAAQMD Condition #1240** | | | |
| Part I.14 | Facility Limits (Cumulative Increase) | Y | |
| Part I.18 | Cumulative Increase Monitoring (Cumulative Increase) | Y | |
| Part I.18a | NMHC and NOx estimates (Cumulative Increase) | Y | |
| Part I.18e | Estimates of NMHC emissions from wastewater sources (Cumulative Increase) | Y | |
| Part I.18j | Summary of emissions estimates and reports of non-compliance (Cumulative Increase) | Y | |
| Part II.58b | Continuous Temperature Monitoring (40 CFR 60.113b(c)(1)(ii) and 60.113b(c)(2); 40 CFR 60.473(c); 40 CFR 61.354(c)(4), 61.356(f)(2)(i)(A), and 61.356(f)(2)(i)(C), Regulation 2-6-409.2.2, 2-6-414) | Y | |

# IV. Source Specific Applicable Requirements

## Table IV - AJ
## Source-specific Applicable Requirements
## S68-EMERGENCY DIESEL-POWERED FIREWATER PUMP

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| **BAAQMD Regulation 6** | **Particulate Matter and Visible Emissions (12/19/90)** | | |
| 6-303 | Ringelmann #2 Limitation | Y | |
| 6-303.1 | Standby sources of power | Y | |
| 6-305 | Visible Particles | Y | |
| 6-310 | Particulate Weight Limitation | Y | |
| 6-401 | Appearance of Emissions | Y | |
| **BAAQMD · Regulation 9 Rule 1** | **Inorganic Gaseous Pollutants, Sulfur Dioxide Emissions Limitations (3/15/95)** | | |
| 9-1-304 | Fuel Burning (Liquid and Solid fuels) | Y | |
| **BAAQMD · Regulation 9, Rule 9** | Nitrogen Oxides And Carbon Monoxide From Stationary Internal Combustion Engines (8/1/01) | | |
| 9-8-330 | Emergency Standby Engines, Hours of Operation | N | |
| 9-8-530 | Emergency standby engines, monitoring and recordkeeping | N | |
| **BAAQMD Condition #1240** | | | |
| Part I.6 | Prohibition against combustion of fuel oil or diesel fuel except at S68 (cumulative increase) | Y | |
| Part I.14 | Facility Limits (Cumulative Increase) | Y | |
| Part I.18 | Cumulative Increase Monitoring (Cumulative Increase) | Y | |
| Part I.18a | NMHC and NOx estimates (Cumulative Increase) | Y | |
| Part I.18g | Estimates of NMHC emissions from combustion sources (Cumulative Increase) | Y | |
| Part I.18i | Estimates of NOx emissions from combustion sources (Cumulative Increase) | Y | |
| Part I.18j | Summary of emissions estimates and reports of non-compliance (Cumulative Increase) | Y | |
| **BAAQMD Condition #18796** | | | |

# IV. Source Specific Applicable Requirements

## Table IV - AJ
## Source-specific Applicable Requirements
## S68-EMERGENCY DIESEL-POWERED FIREWATER PUMP

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| Part 1 | Sulfur content of fuel (Cumulative Increase) | Y | |

## Table IV - AK
## Source-specific Applicable Requirements
## S69-ASPHALT ADDITIVE LOADING BIN

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| **BAAQMD Regulation 6** | **Particulate Matter and Visible Emissions (12/19/90)** | | |
| 6-301 | Ringelmann #1 Limitation | Y | |
| 6-305 | Visible Particles | Y | |
| 6-310 | Particulate Weight Limitation | Y | |
| 6-311 | General Operations | Y | |
| 6-401 | Appearance of Emissions | Y | |
| **BAAQMD Condition #20278** | | | |
| Part 2 | Throughput limit (2-2-212, Cumulative Increase) | Y | |
| Part 4 | Public nuisance (1-301) | N | |
| Part 6 | Recordkeeping (2-6-501) | Y | |
| Part 7 | Visible Emissions checks (2-6-409.2) | Y | |

# IV. Source Specific Applicable Requirements

## Table IV - AL
## Source-specific Applicable Requirements
## S70-ASPHALT ADDITIVE MIXING TANK

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| **BAAQMD Regulation 6** | **Particulate Matter and Visible Emissions (12/19/90)** | | |
| 6-301 | Ringelmann #1 Limitation | Y | |
| 6-305 | Visible Particles | Y | |
| 6-310 | Particulate Weight Limitation | Y | |
| 6-401 | Appearance of Emissions | Y | |
| **BAAQMD Regulation 8, Rule 5** | **Organic Compounds, Storage of Organic Liquids (11/27/02)** | | |
| 8-5-117 | Exemption, Low Vapor Pressure | N | |
| **BAAQMD Regulation 8, Rule 15** | **Organic Compounds, Emulsified and Liquid Asphalts (6/1/94)** | | |
| 8-15-305 | Prohibition of Manufacture and Sale | Y | |
| 8-15-501 | Records | Y | |
| **40 CFR 60 Subpart UU** | **Standards of Performance for Asphalt Processing and Asphalt Roofing Manufacture (8/6/82)** | | |
| 60.472(c) | Opacity standard | Y | |
| 60.473(c) | Parametric monitoring | Y | |
| 60.473(d) | Exemption from quarterly reports | Y | |
| **40 CFR 63 Subpart CC** | **National Emission Standards for Hazardous Pollutants for Petroleum Refining (8/18/95)** | | |
| 63.646(b)(1) | Storage Vessel Provisions--Determine stored liquid % OHAP for group determination | Y | |
| 63.646(b)(2) | Storage Vessel Provisions--Determine stored liquid % OHAP-method 18 to resolve disputes | Y | |
| 63.654(i)(1) | Reporting and Recordkeeping Requirements--Recordkeeping for storage vessels | Y | |
| 63.654(i)(1)(iv) | Reporting and Recordkeeping Requirements--Recordkeeping for storage vessels | Y | |
| 63.654(i)(4) | Reporting and Recordkeeping Requirements--Recordkeeping--Record retention | Y | |

# IV. Source Specific Applicable Requirements

## Table IV - AL
## Source-specific Applicable Requirements
## S70-ASPHALT ADDITIVE MIXING TANK

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| **BAAQMD Condition #1240** | | | |
| Part I.14 | Facility Limits (Cumulative Increase) | Y | |
| Part I.18 | Cumulative Increase Monitoring (Cumulative Increase) | Y | |
| Part I.18a | NMHC and NOx estimates (Cumulative Increase) | Y | |
| Part I.18c | Estimates of NMHC emissions from tanks (Cumulative Increase) | Y | |
| Part I.18j | Summary of emissions estimates and reports of non-compliance (Cumulative Increase) | Y | |
| Part II.49 | Prohibition against cutback asphalt (Toxics) | Y | |
| Part II.50 | Vapor Pressure Limit (Cumulative Increase, Offsets) | Y | |
| Part II.55 | Control and Destruction Efficiency Requirements (Cumulative Increase, Offsets) | Y | |
| Part II.58 | Recordkeeping Requirement (Cumulative Increase) | Y | |
| Part II.58b | Continuous Temperature Monitoring (40 CFR 60.113b(c)(1)(ii) and 60.113b(c)(2); 40 CFR 60.473(c); 40 CFR 61.354(c)(4), 61.356(f)(2)(i)(A), and 61.356(f)(2)(i)(C), Regulation 2-6-409.2.2, 2-6-414) | Y | |
| **BAAQMD Condition #20278** | | | |
| Part 1 | Throughput limit (2-2-212, Cumulative Increase) | Y | |
| Part 3 | Control requirement (2-2-212, Cumulative Increase) | Y | |
| Part 4 | Public nuisance (1-301) | N | |
| Part 5 | Daily throughput limit (2-2-212, Cumulative Increase) | | |
| Part 6 | Recordkeeping (2-6-501) | Y | |

# IV. Source Specific Applicable Requirements

**Table IV- AM**
**Fugitive Sources: Applicable Requirements**
(This table is a cross-reference between the asphalt plant equipment and the various fugitive applicable requirements. The actual requirements are in the next table.)

| Process Unit | BAAQMD Regulation 8, Rule 18 | BAAQMD & SIP Regulation 8, Rule 28 | NSPS Part 60, Subpart QQQ; BAAQMD Regulation 10-69 | NSPS Part 60, Subpart VV; BAAQMD Regulation 10-52 | NESHAP Part 61, Subpart FF; BAAQMD Regulation 11, Rule 12 | NESHAP Part 63, Subpart CC |
|---|---|---|---|---|---|---|
| S1, S2, S4, and S23 Crude Tankage receipt piping. | X | X | | | | |
| S1, S2, S4, and S23 Crude Tankage feed piping to S18 Crude Unit. | X | X | | X(1) | | X |
| S12, S25-S28, Wastewater sources, S41 WEMCO Hydrocleaner, S66 Oil-Water Separator, Recovered Oil Equipment, S67, Recovered Oil Tank and Closed Vent Systems at Wastewater Treatment Plant. | X | X | X (3) | | X (2) | |
| S14 Naphtha Loading Rack, including vapor recovery system and fill line from S9 Naphtha Tank. | X | X | | | | |
| S15, Loading Racks - Gas Oil | X | X | | | | |
| S16, Loading Racks - Kerosene or Distillate Oil | X | X | | | | |
| S17, Loading Racks – Asphalt | X | X | | | | |
| S18 Crude Unit, including Atmospheric Tower (T-1), crude charge circuit, overhead off-gas system, caustic scrubbers, and naphtha piping to S29 Naphtha Merox Treater and excluding vacuum tower. | X | X | | X(1) | | X |
| S18 Vacuum Tower (T-2) overhead gas system | X | X | | | | |

# IV. Source Specific Applicable Requirements

## Table IV- AM
## Fugitive Sources: Applicable Requirements

(This table is a cross-reference between the asphalt plant equipment and the various fugitive applicable requirements. The actual requirements are in the next table.)

| Process Unit | BAAQMD Regulation 8, Rule 18 | BAAQMD & SIP Regulation 8, Rule 28 | NSPS Part 60, Subpart QQQ; BAAQMD Regulation 10-69 | NSPS Part 60, Subpart VV; BAAQMD Regulation 10-52 | NESHAP Part 61, Subpart FF; BAAQMD Regulation 11, Rule 12 | NESHAP Part 63, Subpart CC |
|---|---|---|---|---|---|---|
| S29 Naphtha Merox Treater, including rundown piping to S9 Naphtha Tank. | X | X | | X(1) | | X |
| S30, Marine Loading Dock | X | X | | | | |
| S31, Rail Car Asphalt Loading Rack | X | | | | | |
| S54, Asphalt Loading Rack | X | | | | | |
| Fuel gas system, including natural gas piping. | X | X | | | | |
| All Other Piping | X | X | | | | |

Notes:
(1) Fugitive components which are subject to the equipment leak standards of 40 CFR Part 63 Subpart CC shall comply with the equipment leak standards set forth in 40 CFR Part 60 Subpart VV.
(2) Wastewater treatment plant equipment which is subject to 40 CFR Part 63 Subpart CC shall comply with the provisions of 40 CFR Part 61 Subpart FF.
(3) Per 40 CFR Part 63 Section 63.640 (o)(1), the wastewater oil-water separator (S66), which is also subject to 40 CFR Part 60 Subpart QQQ, shall comply only with the wastewater provisions of 40 CFR Part 63 Subpart CC (Part 61 Subpart FF).

# IV. Source Specific Applicable Requirements

## Table IV – AN
## Applicable Requirements
## COMPONENTS

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| **BAAQMD Regulation 8, Rule 18** | **Organic Compounds-Equipment Leaks (1/7/98)** | | |
| 8-18-110 | Exemption, Controlled Seal Systems and Pressure Relief Devices | Y | |
| 8-18-113 | Limited Exemption, Initial Boiling Point | Y | |
| 8-18-115 | Limited Exemption, Storage Tanks | Y | |
| 8-18-116 | Limited Exemption, Vacuum Service | Y | |
| 8-18-301 | General Standard | Y | |
| 8-18-302 | Valves | Y | |
| 8-18-303 | Pumps and compressors | Y | |
| 8-18-304 | Connections | Y | |
| 8-18-304.2 | Connections subject to District-approved inspection program | Y | |
| 8-18-305 | Pressure relief devices | Y | |
| 8-18-306 | Non-repairable equipment | Y | |
| 8-18-306.1 | Repair at next scheduled turnaround or five years | Y | |
| 8-18-306.2 | Percentage of equipment awaiting repair | Y | |
| 8-18-307 | Liquid Leaks | Y | |
| 8-18-401 | Inspection | Y | |
| 8-18-402 | Identification | Y | |
| 8-18-403 | Visual inspection schedule | Y | |
| 8-18-404 | Alternate inspection schedule | Y | |
| 8-18-501 | Portable Hydrocarbon Detector | Y | |
| 8-18-502 | Records | Y | |
| 8-18-601 | Analysis of Samples | Y | |
| 8-18-602 | Inspection Procedure | Y | |
| 8-18-603 | Determination of Control Efficiency | Y | |
| **BAAQMD Regulation 8, Rule 28** | **Episodic Releases From Pressure Relief Devices at Petroleum Refineries and Chemical Plants (3/18/98)** | | |
| 8-28-111 | Exemption, Evaporation Point | N | |
| 8-28-112 | Exemption, Storage Tanks | N | |
| 8-28-303 | Pressure Relief Devices at Existing Sources at Petroleum Refineries | N | |
| 8-28-303.2 | Prevention Measures Procedures | N | |

# IV. Source Specific Applicable Requirements

## Table IV – AN
## Applicable Requirements
## COMPONENTS

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| 8-28-304 | Repeat Releases - Pressure Relief Devices at Petroleum Refineries | N | |
| 8-28-401 | Reporting at Petroleum Refineries and Chemical Plants | N | |
| 8-28-402 | Inspection | N | |
| 8-28-403 | Records | N | |
| 8-28-404 | Identification | N | |
| 8-28-405 | Prevention Measures Procedures | N | |
| 8-28-602 | Determination of Control Efficiency | N | |
| **SIP Regulation 8, Rule 28** | **Pressure Relief Valves at Petroleum Refineries and Chemical Plants (6/1/94)** | | |
| 8-28-301 | Pressure Relief Valve | Y[1] | |
| 8-28-401 | Reporting | Y[1] | |
| 8-28-402 | Inspection | Y[1] | |
| 8-28-403 | Records | Y[1] | |
| 8-28-404 | Identification | Y[1] | |
| **40 CFR 60 Subpart VV; BAAQMD Regulation 10-52** | **Standards of Performance for Equipment Leaks (Fugitive Emission Sources) (8/18/95); BAAQMD Standards of Performance for New Stationary Sources (12/20/95)** | | |
| 60.480 | Applicability and Designation of Affected Facility | Y | |
| 60.482-1 | General Standards | Y | |
| 60.482-2 | Pump Standards: | Y | |
| 60.482-3 | Compressor Standards | Y | |
| 60.482-4 | Requirements for Pressure Relief Devices in gas/vapor service | Y | |
| 60.482-5 | Requirements for Sampling connecting systems | Y | |
| 60.482-6 | Requirements for Open-ended valves or lines | Y | |
| 60.482-7 | Valve Standards: | Y | |
| 60.482-7(a)-(c) | Monitor monthly unless 2 successive months <10,000 ppm, them monitor first month of each quarter. If leak >10,000 ppm is detected, resume monthly monitoring | Y | |
| 60.482-7(e) | Methods for first attempts or minimizing valve leaks | Y | |
| 60.482-7(f) | Designated no-emissions (< 500 ppm) valves with no external actuating mechanisms in contact with process fluid, may revert to annual monitoring, or that requested by the Administrator | Y | |

# IV. Source Specific Applicable Requirements

## Table IV – AN
## Applicable Requirements
## COMPONENTS

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| 60.482-8 | Standards: Pumps & Values in Heavy Liquid Service, Pressure Relief Devices in Light Liquid or Heavy Liquid Service, and Flanges & Other Connectors | Y | |
| 60.482-9(a) | Delay of repairs | Y | |
| 60.482-9(b) | Repair may be delayed for isolated equipment | Y | |
| 60.482-9(c) | Delay of repair for valves is only allowed under certain circumstances | Y | |
| 60.482-9(d) | Delay of repairs for pumps | 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 | |
| 60.482-10 | Requirements for closed-vent systems and control devices | Y | |
| 60.483-1 | Alternative standards for valves-allowable percentage of valves leaking | Y | |
| 60.483-2 | Alternative standards for valves-skip period leak detection and repair | Y | |
| 60.485 | Test Methods and Procedures | Y | |
| 60.486 | Record keeping | Y | |
| 60.487 | Reporting | Y | |
| **40 CFR 61 Subpart FF** | **NESHAP, Benzene Waste Operations (01/07/93)** | | |
| 61.343(a)(1)(i)(A) | Standards: Tanks; Fixed Roof—Fugitive emissions less than 500 ppmv | Y | |
| 61.345(a)(1)(i) | Standards: Containers--Covers and Openings, no detectable emissions | Y | |
| 61.347(a)(1)(i)(A) | Standards: Oil Water Separators | Y | |
| 61.347(b) | Cover seals, access hatches , and other openings shall be checked visually initially and quarterly thereafter to ensure no cracks, gaps occur between the cover and wall and that access hatches are closed and gasketted properly. | Y | |
| 61.349(a)(1)(i) | Standards: Closed-vent systems and Control Devices—Closed vent system-no detectable emission >/= 500 ppmv, annual inspection | Y | |
| 61.349(f) | Visually inspect for leaks quarterly | Y | |
| 61.355(h) | Compliance-no detectible emissions | Y | |
| 61.356(h) | Records of tests | Y | |

# IV. Source Specific Applicable Requirements

## Table IV – AN
## Applicable Requirements
## COMPONENTS

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| **BAAQMD Regulation 10-52** | **Incorporates by reference 40 CFR 60 Subpart VV** | **Y** | |
| **40 CFR 63 Subpart CC** | **National Emission Standards for Hazardous Air Pollutants from Petroleum Refineries (8/18/95)** | | |
| 63.640(a) | Applicability | Y | |
| 63.640(p) | Overlap of subpart CC with other regulations for equipment leaks. | Y | |
| 63.642(e) | Keep records for 5 years | Y | |
| 63.648(a) | Equipment Leak Standards--Existing source comply with 40 CFR 60 Subpart VV and 63.648(b). New source comply with 40 CFR 63 Subpart H | Y | |
| 63.648(b) | Use of monitoring data from prior to 8/18/95 to qualify for less stringent monitoring frequency | Y | |
| 63.654(d) | Recordkeeping and reporting | Y | |
| **BAAQMD Condition #1240** | | | |
| Part I.14 | Facility Limits (cumulative increase) | Y | |
| Part I.18 | Cumulative Increase Monitoring (Cumulative Increase) | Y | |
| Part I.18a | NMHC and NOx estimates (Cumulative Increase) | Y | |
| Part I.18b | Fugitive NMHC Emission Calculations (cumulative increase) | Y | |
| Part I.18j | Summary of Emissions Estimates (cumulative increase) | Y | |
| Part II.32d | Fugitive emissions at vapor recovery equipment (BACT) | Y | |
| Part II.53 | Fugitive emissions at vapor recovery equipment (BACT) | Y | |
| Part II.86 | Fugitive emissions at vapor recovery equipment (BACT) | Y | |

[1]This section has been removed from BAAQMD Regulations because it has been superseded. Nevertheless, the source must comply with this regulation until US EPA has reviewed and approved (or disapproved) the District's revision of the regulation.

# IV. Source Specific Applicable Requirements

## Table IV - AO
## Source-specific Applicable Requirements
## A4- Thermal Oxidizer

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| **BAAQMD Regulation 1** | **General Provisions and Definitions (5/2/01)** | | |
| 1-107 | Combination of Emissions | Y | |
| 1-523 | Parametric Monitoring and Recordkeeping Procedures | N | |
| 1-523.1 | Parametric monitor periods of inoperation | Y | |
| 1-523.2 | Limits on periods of inoperation | Y | |
| 1-523.3 | Reports of Violations | N | |
| 1-523.4 | Records | Y | |
| 1-523.5 | Maintenance and calibration | N | |
| **SIP Regulation 1** | **General Provisions and Definitions (6/28/99)** | | |
| 1-523 | Parametric Monitoring and Recordkeeping Procedures | Y[1] | |
| 1-523.3 | Reports of Violations | Y[1] | |
| 1-523.5 | Maintenance and calibration | Y[1] | |
| **BAAQMD Regulation 6** | **Particulate Matter and Visible Emissions (12/19/90)** | | |
| 6-301 | Ringelmann #1 Limitation | Y | |
| 6-305 | Visible Particles | Y | |
| 6-310 | Particulate Weight Limitation | Y | |
| 6-401 | Appearance of Emissions | Y | |
| **BAAQMD Regulation 8, Rule 6** | **Organic Compounds-Organic Liquid Bulk Terminals and Bulk Plants (2/2/94)** | | |
| 8-6-301 | Bulk Terminal Limitations | Y | |
| **BAAQMD Condition #1240** | | | |
| Part I.5 | Asphalt plant Heat Input Limit (Cumulative Increase) | Y | |
| Part I.6 | Prohibition against combustion of fuel oil or diesel fuel (cumulative increase) | Y | |
| Part I.14 | Facility Limits (Cumulative Increase) | Y | |
| Part I.18 | Cumulative Increase Monitoring (Cumulative Increase) | Y | |

# IV. Source Specific Applicable Requirements

## Table IV - AO
## Source-specific Applicable Requirements
## A4- Thermal Oxidizer

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| Part I.18a | NMHC and NOx estimates (Cumulative Increase) | Y | |
| Part I.18g | Estimates of NMHC emissions from combustion sources (Cumulative Increase) | Y | |
| Part I.18i | Estimates of NOx emissions from combustion sources (Cumulative Increase) | Y | |
| Part I.18j | Summary of emissions estimates and reports of non-compliance (Cumulative Increase) | Y | |
| Part I.19 | Temperature monitoring (2-6-503) | Y | |
| Part I.19a | Allowable temperature excursions (2-1-403) | Y | |
| Part I.19b | Recordkeeping for allowable temperature excursions (2-1-403) | Y | |
| Part I.19c | Temperatures above the limit (2-1-403) | Y | |
| Part II.6 | Safety Relief System (Cumulative Increase) | Y | |
| Part II.59 | Submerged fill pipe and abatement requirements < cumulative increase, offsets, BACT, toxics> | Y | |
| Part II.60 | Destruction efficiency requirements < cumulative increase, offsets, BACT, toxics> | Y | |
| Part II.62 | Submerged fill pipe and abatement requirement ((BACT, Cumulative Increase, offsets, toxics) | Y | Part II.62 |
| Part II.63 | Requirement for vapor recovery and abatement (BACT, Cumulative Increase, offsets) | Y | |
| Part II.65 | Control Requirement (Cumulative Increase) | Y | |
| Part II.68 | Destruction Efficiency Requirement (Cumulative Increase, BACT) | Y | |

[1]This section has been removed from BAAQMD Regulations because it has been superseded. Nevertheless, the source must comply with this regulation until US EPA has reviewed and approved (or disapproved) the District's revision of the regulation.

# IV. Source Specific Applicable Requirements

## Table IV - AP
## Source-specific Applicable Requirements
## A31, THERMAL OXIDIZER

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| **BAAQMD Regulation 1** | **General Provisions and Definitions (5/2/01)** | | |
| 1-107 | Combination of Emissions | Y | |
| 1-523 | Parametric Monitoring and Recordkeeping Procedures | N | |
| 1-523.1 | Parametric monitor periods of inoperation | Y | |
| 1-523.2 | Limits on periods of inoperation | Y | |
| 1-523.3 | Reports of Violations | N | |
| 1-523.4 | Records | Y | |
| 1-523.5 | Maintenance and calibration | N | |
| **SIP Regulation 1** | **General Provisions and Definitions (6/28/99)** | | |
| 1-523 | Parametric Monitoring and Recordkeeping Procedures | Y[1] | |
| 1-523.3 | Reports of Violations | Y[1] | |
| 1-523.5 | Maintenance and calibration | Y[1] | |
| **BAAQMD Regulation 6** | **Particulate Matter and Visible Emissions (12/19/90)** | | |
| 6-301 | Ringelmann #1 Limitation | Y | |
| 6-305 | Visible Particles | Y | |
| 6-310 | Particulate Weight Limitation | Y | |
| 6-401 | Appearance of Emissions | Y | |
| **BAAQMD Regulation 8, Rule 5** | **Storage of Organic Liquids (11/27/02)** | | |
| 8-5-306 | Requirements for Approved Emission Control Systems | Y | |
| **BAAQMD Regulation 8, Rule 6** | **Organic Liquid Bulk Terminals And Bulk Plants (2/2/94)** | | |
| 8-6-301 | Bulk Terminal Limitations | Y | |
| **BAAQMD Regulation 8, Rule 8** | **Wastewater (Oil-Water) Separators (6/15/94)** | | |
| 8-8-301 | Wastewater separators designed rated capacity greater than 760 | Y | |

# IV. Source Specific Applicable Requirements

## Table IV - AP
## Source-specific Applicable Requirements
## A31, THERMAL OXIDIZER

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| | liters per day (200 gal/day) and smaller than 18.9 liters per second (300 gal/min) | | |
| 8-8-301.3 | An organic compound vapor recovery system with a combined collection and destruction efficiency of at least 95 percent by weight. | Y | |
| 8-8-307 | Air Flotation Unit | Y | |
| 8-8-307.2 | Combined collection and destruction efficiency of 70% by weight | Y | |
| **40 CFR 60, Subpart Kb** | **New Source Performance Standard for Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction or Modification Commenced After July 23, 1984.** | | |
| 60.112b(a)(3)(ii) | Standard for Volatile Organic Compounds (VOC); Closed vent system and control device >= 95% inlet VOC emission reduction | Y | |
| 60.113b(c) | Testing and Procedures; Closed vent system and control device (not flare) | Y | |
| 60.113b(c)(1) | Testing and Procedures; Closed vent system and control device (not flare) operating plan submission | Y | |
| 60.113b(c)(1)(i) | Testing and Procedures; Closed vent system and control device (not flare) operating plan--efficiency demonstration | Y | |
| 60.113b(c)(1)(ii) | Testing and Procedures; Closed vent system and control device (not flare) operating plan--monitoring parameters | Y | |
| 60.113b(c)(2) | Testing and Procedures; Closed vent system and control device (not flare) operate in accordance with operating plan | Y | |
| 60.115b(c)(1) | Reporting and Recordkeeping Requirements; Closed vent system and control device (not flare) operating plan copy | Y | |
| 60.115b(c)(2) | Reporting and Recordkeeping Requirements; Closed vent system and control device (not flare) operating records | Y | |
| 60.116b(a) | Monitoring of Operations; Record retention | Y | |
| **40 CFR 60, Subpart UU** | **Standards of Performance for Asphalt Processing and Asphalt Roofing Manufacture (8/6/82)** | | |
| 60.472(c) | Opacity standard | Y | |
| 60.473(c) | Parametric monitoring | Y | |
| 60.473(d) | Exemption from quarterly reports | Y | |
| **40 CFR 61** | **National Emission Standards for Benzene Waste Operations** | | |

# IV. Source Specific Applicable Requirements

## Table IV - AP
## Source-specific Applicable Requirements
## A31, THERMAL OXIDIZER

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| **Subpart FF** | | | |
| 61.340(a) | Applicability: Chemical Manufacturing, Coke by-product recovery, petroleum refineries | Y | |
| 61.343(a)(1)(ii) | Standards: Tanks; Closed-vent systems are subject to 61.349 | Y | |
| 61.349(a) | Standards: Closed-Vent Systems and Control Devices; Applicability | Y | |
| 61.349(a)(1) | Standards: Closed-Vent Systems and Control Devices; Closed vent system requirements | Y | |
| 61.349(a)(1)(i) | Standards: Closed-vent systems and Control Devices—Closed vent system-no detectable emission >/= 500 ppmv, annual inspection | Y | |
| 61.349(a)(2) | Standards: Closed-Vent Systems and Control Devices; Control device requirements | Y | |
| 61.349(a)(2)(i) | Standards: Closed-Vent Systems and Control Devices; Enclosed combustion device requirements | Y | |
| 61.349(a)(2)(i)(A) | Controlled by enclosed combustion device with greater than 95% control efficiency. | Y | |
| 61.349(b) | Operated at all times. | Y | |
| 61.349(c) | Standards: Closed-Vent Systems and Control Devices; Control Device Performance Demonstration | Y | |
| 61.349(c)(2) | Performance tests | Y | |
| 61.349(e) | Administrator may request performance tests | 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 | |
| 61.354(c) | Monitoring of Operations; Closed-vent systems and control devices--Continuously monitor control device operation | Y | |
| 61.354(c)(1) | Monitor thermal vapor incinerator temperature | Y | |
| 61.355(i) | Performance test procedures | Y | |
| 61.356(a) | Recordkeeping and retention requirements | Y | |
| 61.356(d) | Engineering design documentation for all control equipment | Y | |
| 61.356(f) | Recordkeeping Requirements: Closed vent system and control device per 61.349--retain for life of device | Y | |
| 61.356(f)(1) | Recordkeeping Requirements: certification of performance level | Y | |

# IV. Source Specific Applicable Requirements

## Table IV - AP
## Source-specific Applicable Requirements
## A31, THERMAL OXIDIZER

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| 61.356(f)(2)(A) | Recordkeeping Requirements: design and operating temperatures and residence time | Y | |
| 61.356(f)(3) | Requirements for performance tests | Y | |
| 61.356(g) | Recordkeeping Requirements: Visual inspection per 61.343 through 61.347 | Y | |
| 61.356(j) | Recordkeeping Requirements: Control device operation | Y | |
| 61.356(j)(1) | Recordkeeping Requirements: dates of startup and shutdown | Y | |
| 61.356(j)(2) | Recordkeeping Requirements: description of parameters | Y | |
| 61.356(j)(3) | Recordkeeping Requirements: periods when closed vent system and control device are not operating | Y | |
| 61.356(j)(3)(i) | Recordkeeping Requirements; Bypass Line Controls | Y | |
| 61.356(j)(4) | Recordkeeping Requirements: Control device operation--Thermal vapor incinerator | Y | |
| 61.357(d)(7) | Reporting Requirements: Quarterly report requirements | Y | |
| 61.357(d)(7)(iv) | Reporting Requirements: Quarterly report--Control device monitored per 61.354(c) | Y | |
| 61.357(d)(7)(iv)(A) | Reporting Requirements: Quarterly report--Thermal vapor incinerator | Y | |
| **BAAQMD Condition #1240** | | | |
| Part I.5 | Asphalt plant Heat Input Limit (Cumulative Increase) | Y | |
| Part I.6 | Prohibition against combustion of fuel oil or diesel fuel (cumulative increase) | Y | |
| Part II.10 | Control Requirement (Cumulative Increase) | Y | |
| Part I.14 | Facility Limits (Cumulative Increase) | Y | |
| Part I.18 | Cumulative Increase Monitoring (Cumulative Increase) | Y | |
| Part I.18a | NMHC and NOx estimates (Cumulative Increase) | Y | |
| Part I.18g | Estimates of NMHC emissions from combustion sources (Cumulative Increase) | Y | |
| Part I.18i | Estimates of NOx emissions from combustion sources (Cumulative Increase) | Y | |
| Part I.18j | Summary of emissions estimates and reports of non-compliance | Y | |

# IV. Source Specific Applicable Requirements

## Table IV - AP
## Source-specific Applicable Requirements
## A31, THERMAL OXIDIZER

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| | (Cumulative Increase) | | |
| Part II.10 | Control Requirement (Cumulative Increase) | Y | |
| Part II.32a | Control and Destruction Efficiency Requirement for S13 (Regulation 8-5-306, NSPS, Cumulative Increase, Toxics) | Y | |
| Part II.32b | Requirement for control of S59 (8-5-306, NSPS, cumulative increase, toxics) | Y | |
| Part II.32c | Requirement for control of S63 (8-5-306, NSPS, cumulative increase, offsets, BACT) | Y | |
| Part II.32d | Fugitive emissions at vapor recovery equipment (BACT) | Y | |
| Part II.43 | Control Requirement for S3 (BACT, Cumulative Increase, offsets) | Y | |
| Part II.44 | Vapor recovery and fugitive emission requirement (BACT, Cumulative Increase, offsets) | Y | |
| Part II.53 | Fugitive emissions at vapor recovery equipment (BACT) | Y | |
| Part II.55 | Control and Destruction Efficiency Requirements for S5-S8, S37, S60, and S65 (Cumulative Increase, Offsets) | Y | |
| Part II.56 | Control and Destruction Efficiency Requirements for S51-S53, S60, and S65 (Cumulative Increase, Offsets) | Y | |
| Part II.57 | Control and Destruction Efficiency Requirements for S61 and S62 (Cumulative Increase, Offsets) | Y | |
| Part II.58b | Continuous Temperature Monitoring (40 CFR 60.113b(c)(1)(ii) and 60.113b(c)(2); 40 CFR 60.473(c); 40 CFR 61.354(c)(4), 61.356(f)(2)(i)(A), and 61.356(f)(2)(i)(C), Regulation 2-6-409.2.2, 2-6-414) | Y | |
| Part II.66 | Control Requirement (Cumulative Increase) | Y | |
| Part II.67 | Control requirement for S54 (Cumulative Increase) | Y | |
| Part II.69 | Destruction Efficiency Requirement for S31 (Cumulative Increase, BACT) | Y | |
| Part II.70 | Destruction Efficiency Requirement for S54 (Cumulative Increase, BACT) | Y | |
| Part II.85 | Vapor recovery and control requirement for S66 (BACT, cumulative increase, contemporaneous emission reductions) | Y | |
| Part II.86 | Fugitive emissions at vapor recovery equipment (BACT) | Y | |

[1]This section has been removed from BAAQMD Regulations because it has been superseded. Nevertheless, the source must comply with this regulation until US EPA has reviewed and approved (or disapproved) the District's revision of the regulation.

# V. SCHEDULE OF COMPLIANCE

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

# VI. PERMIT CONDITIONS

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

**Condition #1240**
**For All Sources**

Permit Conditions II. 1, 11, 12, and 13; and IV. 1, 2, and 3 were modified or added as part of App. No. 14513.

Pursuant to permit application #17515, permit condition I.8 was modified, conditions I.9 and I.10 were added, and what had been conditions I.9 and I.10 were renumbered as I.11 and I.12, respectively.

Pursuant to permit application #17687 the total asphalt plant wide heat input has been corrected from 42 to 66.17 MMBTU/HR, S13 and S59 were permitted, and S12 was exempted from permitting.

Pursuant to permit application #1261 (May, 2000) the total asphalt plant-wide heat input has been corrected from 76.06 to 86.6 MMBTU/HR, and the allowable heat input for S19 was increased from 22.4 to 33 MMbtu/hr.

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

Pursuant to permit application #7123 (March, 2003) the total asphalt plant-wide heat input has been corrected from 86.6 to 93.6 MMBTU/HR, and the allowable heat input for S19 was increased from 33 to 40 MMBtu/hr.

I. ASPHALT PLANT CONDITIONS
S18 Crude Unit with Vacuum Distillation Column vented to and abated by S19 Vacuum H-1

1. The total throughput of feed oil to S18 Crude Unit shall not exceed 5,292,000 barrels in any consecutive 12-month period. (cumulative increase, toxics, offsets)

2. The total throughput of feed oil to S18 Crude Unit shall not exceed 18,000 barrels in any calendar day. (cumulative increase, toxics)

3. At all times, the vacuum exhaust from the vacuum distillation column at S18 Crude Unit shall be vented to and abated by S19 Vacuum Heater with a destruction efficiency for VOC of at least 98.5%, by weight, as measured across S19. (cumulative increase, toxics)

## VI. Permit Conditions

4. Each day, the permittee shall record, by material name, in a District approved log, the total volume of each and every liquid material throughput to S18 during the preceding calendar day, in gallon units or barrel units. At the conclusion of each month, the permittee shall total the daily log records and record the sum as the monthly throughput of all liquid materials to S18, in a District approved log. Additionally, the permittee shall record in the District approved log the throughput of all liquid materials to S18 for each rolling 12 consecutive month period. This log shall be retained for at least 5 years from date of entry, shall be kept on site, and shall be made available to the District staff on request. (cumulative increase)

5. The maximum heat input to all asphalt plant combustion units except S68, Emergency Diesel-Powered Firewater Pump, shall not exceed a total of 93.6 MM BTU/Hr. Compliance will be determined from the daily reading of the PG&E natural gas flow meter and the asphalt plant refinery fuel gas meter. These meter readings shall be logged and initialed by the operations coordinator on a daily basis. These readings and the monthly PG&E bills shall be made available to the District upon request. Only refinery fuel gas that is produced at the asphalt plant may be burned at the facility. (cumulative increase)

5a. The maximum heat input to S19, Vacuum Heater, shall not exceed 40 MMbtu/hr. (cumulative increase)
5b. CO emissions in the exhaust of S19, Vacuum Heater, shall not exceed 50 ppmdv at 3% oxygen over any one-hour period. (cumulative increase, BACT)
5c. CO emissions in the exhaust of S19, Vacuum Heater, shall not exceed 1.47 lb/hr over any one-hour period. (cumulative increase, BACT)

6. Fuel oil and/or diesel fuel shall not be combusted in the asphalt plant's heaters or boilers or other combustion sources except for S68, Emergency Diesel-powered Firewater Pump. (cumulative increase) (modified 8/12/99, 4/24/02)

7. Mechanical seals will be installed on all new rotary pumps and compressors. Mechanical packing of best available design will be installed in new reciprocating pumps. All compressor seals will be vented to an operating firebox or the vapors will otherwise be eliminated by a method~~,~~ which is satisfactory to the District. (cumulative increase)

## VI. Permit Conditions

8. Vacuum Heater (S19) shall be equipped with a John Zink LoNOx Burner. Average NOx emissions from S19 shall not exceed 25 ppm corrected to 3% oxygen on a dry basis (one hour averaging period). (cumulative increase, BACT)

9. Deleted 06/02/98.

10. Boilers S20 and S21 and heater S19 shall be equipped with individual continuous recording oxygen analyzers. (2-1-403)

11. The H2S content in the asphalt plant's refinery process gas prior to mixing with another gaseous fluid shall not exceed 163 ppmv, dry, averaged over any consecutive 3-hour period. (NSPS) (Compliance with this condition will not necessarily ensure compliance with part I.12 of this condition.)

12. The H2S content in the asphalt plant's refinery process gas prior to mixing with another gaseous fluid shall not exceed 10 ppmv, dry, averaged over any consecutive 24-hour period. (BACT)

13. The permittee shall operate District approved H2S monitoring and recording instruments which, as set forth in 40 CFR 60 Subpart J, measure and record the content of H2S in the asphalt plant's refinery process gas prior to mixing with another gaseous fluid and which allow the District to determine compliance of the process gas H2S content with both the applicable standard in 40 CFR 60 Subpart J and parts I.11 and I.12 of this condition. These records shall be retained in a District approved log, retained for at least 5 years from date of record, shall be kept on site, and shall be made available to the District staff upon request. (NSPS, BACT)

14. Total asphalt plant emissions (excluding marine emissions) shall not exceed the limits listed below:
a. Non-Methane Hydrocarbons..... 49.345 tons/yr
b. Sulfur Dioxide, SO2..... .. 28.049 tons/yr
c. Nitrogen Oxides, as NO2..... 40.047 tons/yr
(Cumulative Increase)

15. Asphalt plant and refinery wastewater shall not be used for dust control at this facility. (Cumulative Increase)

16a. The permit holder shall perform a source test at S19, Vacuum Heater, every 6 months to determine compliance with the NOx and CO

## VI. Permit Conditions

standards in Regulation 9, Rule 10 the NOx limit in part I.8 of this condition, and the CO limit in parts I.5b and I.5c of this condition. The source test shall be performed at a minimum of 85% of the maximum capacity of 40 MMBtu/hr (34 to 40 MMBtu/hr). All source testing shall be done in accordance with the District's Manual of Procedures. The facility shall receive approval from the District's Source Test Manager for installation of test ports and source testing procedures. The results shall be delivered to the District no later than 30 days from the date of the source test. (Regulation 9-10-301, 9-10-305, Cumulative Increase, BACT)

16b. The permit holder shall perform a source test at S19, Vacuum Heater, every 24 months to determine compliance with the requirement for 98.5% POC destruction efficiency requirement in part I.3. The source test shall be performed at a minimum of 85% of the maximum capacity of 40 MMbtu/hr (34 to 40 MMbtu/hr). All source testing shall be done in accordance with the District's Manual of Procedures. The facility shall receive approval from the District's Source Test Manager for installation of test ports and source testing procedures. The results shall be delivered to the District no later than 30 days from the date of the source test. (Cumulative Increase, Toxics)

A/C Conditions (to be deleted after completion):
17. Within 60 days of issuance of the authority to construct for application #7123, the permit holder shall perform a source test at S19, Vacuum Heater, to determine compliance with the NOx limit in part I.8 of this condition, the CO limit in part I.5b of this condition, and compliance with the requirement for 98.5% POC destruction efficiency. The source test shall be performed at the maximum capacity of 40 MMBtu/hr. All source testing shall be done in accordance with the District's Manual of Procedures. The facility shall receive approval from the District's Source Test Manager for installation of test ports and source testing procedures. The results shall be delivered to the District no later than 30 days from the date of the source test.
(BACT, Cumulative Increase, Toxics)

18. To assure compliance with part I.14 of Condition 1240, the permit holder shall perform the following monitoring on a semi-annual basis, starting on January 1 of each year.
18a. The permit holder shall estimate emissions of Non-methane hydrocarbons (NMHC) and nitrogen oxides for each quarter.
18b. The permit holder shall estimate fugitive NMHC emissions from valves, flanges, pumps, and compressors using the draft “California

## VI. Permit Conditions

Implementation Guidelines for Estimating Mass Emissions of Fugitive Hydrocarbon Leaks at Petroleum Facilities" dated February 1999, or later version.

18c. The permit holder shall estimate tank NMHC emissions from the following tanks using the most recent version of EPA's "Tanks" program or EPA publication AP-42: S1-S9, S13, S23, S37, S38, S51-S53, S59-S63, S65, S70.

18d. The permit holder shall estimate NMHC emissions from the following loading racks using EPA publication AP-42: S14, S15, S16, S17, S31, S54.

18e. The permit holder shall estimate NMHC emissions from the following wastewater sources using the most recent version of EPA's "Water" program***:*** S12, S25-S28, S41, S66, S67. The permit holder may use maximum potential to emit in place of measured throughput.

18f. The permit holder shall estimate NMHC emissions from the following combustion sources: S19-S21. The permit holder shall use fuel measurements for each fuel, the F-factor method in EPA Method 19, and the average concentration in the last source test for these estimates.

18g. The permit holder shall estimate NMHC emissions from the following combustion sources: S24, S34, A4, A31. The permit holder shall use the maximum capacity as an estimate of the fuel usage, and the appropriate emission factor from EPA publication AP-42. The permit holder shall estimate NMHC emissions from S68. The permit holder shall use the maximum capacity as an estimate of the fuel usage, the actual hours of operation, and the appropriate emission factor from EPA publication AP-42.

18h. The permit holder shall estimate emissions of nitrogen oxides (NOx) from the following combustion sources: S19-S21. The permit holder shall use fuel measurements for each fuel, the F-factor method in EPA Method 19, and the average concentration in the last source test for these estimates.

18i. The permit holder shall estimate emissions of nitrogen oxides (NOx) from the following combustion sources: S24, S34, A4, A31. The permit holder shall use the maximum capacity as an estimate of the fuel usage, and the appropriate emission factor from EPA publication AP-42. The permit holder shall estimate NOX emissions from S68. The permit holder shall use the maximum capacity as an estimate of the fuel usage, the actual hours of operation, and the appropriate emission factor from EPA publication AP-42.

18j. Within 30 days after the end of each semi-annual period, the permit holder shall calculate the emission estimates required by parts I.18b through 18i for the quarter, summarize the emission estimates for the

## VI. Permit Conditions

period, and for the previous period. If the emission estimates exceed the limits in part I.14 of Condition 1240, the permit holder shall report non-compliance with part I.14 of this condition in accordance with Standard Condition I.F of the Title V permit. The emissions estimates shall be kept on-site for a minimum of five years and be made available to District staff upon request. (Cumulative Increase)

19. Within 90 days of issuance of the Title V permit, the permit holder shall install continuous temperature monitoring and recording device for A4, Thermal Oxidizer. Within 180 days of issuance of the Title V permit, the permit holder shall perform a source test to determine whether A4 is in compliance with the requirement for 98.5% destruction efficiency, the grain loading limit in BAAQMD Regulation 6-310, and the minimum temperature at which A4 must operate to maintain the destruction efficiency and compliance with the other standards. All source testing shall be done in accordance with the District's Manual of Procedures. The permit holder shall receive approval from the District's Source Test Manager for installation of test ports and source testing procedures. The results shall be delivered to the District no later than 30 days from the date of the source test. Minor revision procedures in accordance with BAAQMD Regulation 2-6-414 shall be used to add the minimum temperature specification to the Title V permit. (2-6-503)

19a. The temperature limit in part I.19 shall not apply during an "Allowable Temperature Excursion", provided that the temperature controller setpoint complies with the temperature limit. An Allowable Temperature Excursion is one of the following:

a. A temperature excursion not exceeding 20 degrees F; or
b. A temperature excursion for a period or periods which when combined are less than or equal to 15 minutes in any hour; or
c. A temperature excursion for a period or periods which when combined are more than 15 minutes in any hour, provided that all three of the following criteria are met.

    i. the excursion does not exceed 50 degrees F;
    ii. the duration of the excursion does not exceed 24 hours; and
    iii. the total number of such excursions does not exceed 12 per calendar year (or any consecutive 12 month period).

Two or more excursions greater than 15 minutes in duration occurring during the same 24-hour period shall be counted as one excursion toward the 12 excursion limit. (basis: Regulation 2-1-403)

## VI. Permit Conditions

19b. For each Allowable Temperature Excursion that exceeds 20 degrees F. and 15 minutes in duration, the Permit Holder shall keep sufficient records to demonstrate that they meet the qualifying criteria described above. Records shall be retained for a minimum of five years from the date of entry, and shall be made available to the District upon request. Records shall include at least the following information:

a. Temperature controller setpoint;
b. Starting date and time, and duration of each Allowable Temperature Excursion;
c. Measured temperature during each Allowable Temperature Excursion;
d. Number of Allowable Temperature Excursions per month, and total number for the current calendar year; and
e. All strip charts or other temperature records.

(basis: Regulation 2-1-403)

19c. For the purposes of parts I.19a and I.19b, a temperature excursion refers only to temperatures below the limit. (basis: Regulation 2-1-403)

*20. The owner/operator shall notify the District no less than three calendar days in advance of any scheduled startup or shutdown of any source and as soon as feasible for any unscheduled startup or shutdown. The notification shall be sent to the Director of Enforcement and Compliance. (basis: Regulation 2-1-403)

II. TANKAGE AND LOADING RACK CONDITIONS:

1. Deleted 8/26/00. Modifications to S2 completed.

2. Deleted 5/01. Redundant with condition 1240 II.26.

3. Deleted 07/20/99. Redundant with condition 1240 II.27.

4. Deleted 07/20/99. Redundant with condition 1240 II.54.

5. Deleted 07/20/99. Redundant with condition 1240 II.60.

6. The safety relief system for the crude unit, S18 shall vent to the thermal oxidizer (A4). (Cumulative Increase)

7. Deleted 07/20/99. Redundant with condition 1240 II.51.

8. Asphalt loading at S17 shall be immediately terminated if the blowdown system is venting to the thermal oxidizer (A4). (Cumulative Increase)

## VI. Permit Conditions

9. Deleted 08/12/99.

10. Source S25 shall be vented to A1 or A3, Mist Eliminator F-8 or F-10 and A31, Thermal Oxidizer, at all times of operation. If A31 is inoperative, this source shall be vented to source S24, Hot Oil Heater, as a backup until A31 is operating. (cumulative increase) (Added 10/27/93)

S1 Crude Oil Storage Tank 1A, External Floating Roof,
Capacity: 3,419,000 Gallons
S2 Crude Oil Storage Tank, External Floating TK-1B,
Capacity: 3,419,000 Gallons
S4 Crude Oil Storage Tank, External Floating Roof,
TK-10A, Capacity: 1,382,000 Gallons
S23 Crude Oil Storage Tank, External Floating Roof,
TK-10B, Capacity: 1,382,000 Gallons

11. Deleted 08/26/00. Tanks S1, S2, S4 and S23 completed.

12. Tanks S1, S2, S4 and S23 shall be external floating roof tanks of welded construction which have liquid mounted mechanical shoe primary seals and zero-gap, rim mounted secondary seals and only the following fittings. There shall be no ungasketted roof fittings.

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

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

a. Sliding cover;
b. Well gasket;
c. Pole sleeve with pole wiper approximately 6 inches above

## VI. Permit Conditions

sliding cover, or District approved equivalent;

d. Float with float wiper approximately 1 inch above the sliding cover, or alternately a float with multiple wipers.

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

13. For the four crude tanks S1, S2, S4 and S23, the permit holder will inspect the primary seals and secondary tank seals and fittings quarterly, and maintain records of each inspection for five years from the date of the inspection. These records shall be made available to the District upon request. The quarterly inspections will include all items required by Regulations 8-5, as well as all items required by 40 CFR 60.113b(b). (cumulative increase) (Added per AN 14513, 9/95)

14. The sum total crude oil throughput to S1, S2, S4, and S23 shall not exceed 6,235,000 barrels (261,870,000 gallons) in any consecutive 12-month period. (cumulative increase)

15. Material other than crude oil may be throughput to or stored at S1, S2, S4, or S23, if all of the following are satisfied:

a. the storage of each material complies with all other conditions applicable these sources

b. the storage of each material complies with all other applicable regulatory requirements

c. the permittee keeps District approved records which demonstrate to the District's satisfaction that no toxin listed in Table 2-1-316 is emitted from S1, S2, S4, and S23 in an amount in excess of the toxin's respective trigger level set forth in Table 2-1-316.

(cumulative increase, toxics)

16. For S1, S2, S4, and S23, the true vapor pressure of each and all materials stored in each of S1, S2, S4 and S23 shall not exceed 11 psia. (cumulative increase, offsets, toxics)

17. Deleted 08/26/00. S2 conversion is complete.

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

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

20. Deleted 08/26/00.

21. Deleted per AN 366, converted roof from a fixed roof to an external

## VI. Permit Conditions

floating roof.

22. For each of S1, S2, S4, and S23, at the conclusion of each day, the permittee shall record, by material name, in a District approved log, the total volume of each and every liquid material throughput to each of S1, S2, S4, and S23 during that day, in gallon units or barrel units. At the conclusion of each month, the permittee shall total the daily log recordings separately for each of S1, S2, S4, and S23 and record the respective sum as the monthly throughput for each source, in a District approved log. Additionally, the permittee shall record in a District approved log, the total volume of each and every liquid material throughput to S1, S2, S4, and S23 during each rolling 12 consecutive month period . This log shall be retained for at least 5 years from date of entry, shall be kept on site, and shall be made available to the District staff on request. (cumulative increase)

23. At the conclusion of each month, the permittee shall record in a District approved log, the 12 consecutive month sum total throughput of all liquid materials to S1, S2, S4, and S23 combined. This log shall be retained for at least 5 years from date of entry, it shall be kept on site, and it shall be made available to the District staff on request. (cumulative increase)

24. Material transferred from S1, S2, S4, and/or S23, which is not to be processed at S18 Crude Unit, shall only be transferred (out of the facility) by pipeline and shall not be transferred by marine vessel. (cumulative increase)

S9 Internal Floating Roof Tank, TK-7; Capacity:
571,200 Gallons, White, Storing: Naphtha equipped with a mechanical shoe primary seal, rim mounted secondary seal, and welded deck

25. Material other than Naphtha may be throughput to or stored in S9, if all of the following are satisfied:
a. the storage of each material complies with all other conditions applicable to this source
b. the storage of each material complies with all other applicable regulatory requirements
c. the permittee keeps District approved records that demonstrate to the District's satisfaction that no toxin listed in Table 2-1-316 is emitted from S9 in an amount in excess of the toxin's respective trigger level set forth in Table 2-1-316. (cumulative increase, toxics)

## VI. Permit Conditions

26. The true vapor pressure of each and all material stored in S9 shall not exceed 11 psia. (cumulative increase, toxics)

27a. S9 shall not be operated unless it is equipped with a District approved internal floating roof with a mechanical shoe primary seal, a rim mounted secondary seal, and a welded deck. (cumulative increase, NSPS)

28. The total throughput of all liquid materials to S9 shall not exceed 24,019,000 gallons (571,880 barrels) in any rolling 12 consecutive month period. (cumulative increase, toxics)

29. On a monthly basis, the permittee shall record in a District approved log the total volume of each and all liquid materials throughput to S9 each month and each rolling 12 consecutive month period, in gallon units or barrel units. This log shall be retained for at least 5 years from date of entry, shall be kept on site, and shall be made available to the District staff on request. (cumulative increase)

S13 Fixed Roof Storage Tank (TK-8); Capacity: 88,000 Gallons, Storing: Kerosene, Light or Heavy Vacuum Gas Oil, and Asphalt abated by (either) A3 or A20 Mist Eliminator F-10 or F-500and A31 Thermal Oxidizer H-7 or S24 Hot Oil Heater H-3

S59 Fixed Roof Storage Tank (TK-5); Capacity: 1,050,000 Gallons, Storing: Kerosene, Light or Heavy Vacuum Gas Oil and Asphalt, abated by A1 or A3 Mist Eliminator F-8 (or) F-10 and A31 Thermal Oxidizer H-7 or (either) S24 Hot Oil Heater H-3.

S63 Kerosene/Light Vacuum Gas Oil/Heavy Vacuum Gas Oil/Asphalt Storage Tank, Fixed Roof, TK-31, Capacity: 1,218,000 Gallons abated by A3 or A20 Mist Eliminator F-10 or F-500 and A31 Thermal Oxidizer H-7 or S24 Hot Oil Furnace H-3

30. Petroleum materials other than Kerosene, Light or Heavy Vacuum Gas Oil, and Asphalt may be stored in S13, S59, and S63 if all of the following are satisfied:
a. the storage of each petroleum material complies with all other conditions applicable to S13, S59, or S63.
b. the storage of each petroleum material complies with all other applicable regulatory requirements
c. the permittee keeps District approved records which demonstrate to

## VI. Permit Conditions

the District's satisfaction that no toxin listed in Table 2-1-316 is emitted from S13, S59, or S63 in an amount in excess of the toxin's respective trigger level set forth in Table 2-1-316.
(cumulative increase, toxics)

31. The true vapor pressure of each material stored in S13, S59, or S63 shall not exceed 1.5 psia. (cumulative increase, toxics)

31a. To assure compliance with the limit in part II.31, the permit holder shall take a sample from each tank on an annual basis and determine the true vapor pressure of the sample. Records of these analyses shall be retained for at least 5 years from the date of the analysis, shall be kept on site, and shall be made available to the District staff on request. (cumulative increase, toxics)

32a. At all times that S13 stores petroleum materials, S13 shall be operated with a District approved vapor recovery system and S13 shall be abated by (either) A3 or A20 Mist Eliminator F-10 or F-500 and A31 Thermal Oxidizer H-7 or S24 Hot Oil Heater H-3; with an overall collection and destruction efficiency of at least 98.5%, by weight. (Regulation 8-5-306, NSPS, and cumulative increase, toxics)

32b. At all times that S59 stores organic materials, S59 shall be operated with a District approved vapor recovery system and S59 organic emissions shall be abated by (either) A1 or A3 Mist Eliminator F-8 or F-10 and S24 Hot Oil Heater H-3 or A31 Thermal Oxidizer H-7; with an overall collection and destruction efficiency of at least 98.5%, by weight. (Regulation 8-5-306, NSPS, and cumulative increase, toxics)

32c. For S63, at all times that petroleum materials/VOC are in this equipment, S63 shall be operated with a District approved vapor recovery system with emissions ducted to and abated by (either) A3 or A20 Mist Eliminator F-10 or F-500 and A31 Thermal Oxidizer H-7 or S24 Hot Oil Heater H-3; with a destruction efficiency of at least 98.5%, by weight, as measured across the combustion device (S24 or A31). (cumulative increase, NSPS, Regulation 8-5-306, offsets, BACT)

32d. For S63, the District approved vapor recovery system operated in conjunction with S63 shall operate such that it has no detectable fugitive organic emissions in excess of 100 ppmv, measured as total organic compounds. Total organic compounds is as defined in Regulation 8, Rule 18. (BACT)

# VI. Permit Conditions

32e. To monitor compliance with the standard in 40 CFR 60.112b(a)(3)(i) for fugitive emissions at closed vent systems, the owner/operator shall inspect the closed vent systems that control S13, S59, and S63 using EPA Method 21 on a semi-annual basis. (Regulation 2-6-503)

33a. The total combined throughput of all materials to S13, S59, and S63 shall not exceed 68,208,000 gallons (1,624,600 barrels) in any rolling 12 consecutive month period. (cumulative increase, toxics)

33b. Cutback asphalt materials including but not limited to SC Cutback Asphalt, MC Cutback Asphalt, and FM-1 Cutback Asphalt and other cutback asphalt materials shall NOT be stored in or transferred to S63. (toxics)

34. On a monthly basis, the permittee shall record in a District approved log the total volume of each liquid material throughput to S13, S59, or S63 by material name (e.g., kerosene, light vacuum gas oil, heavy vacuum gas oil, asphalt) each month and each rolling 12 consecutive month period, in gallon units or barrel units. This log shall be retained for at least 5 years from date of entry, shall be kept on site, and shall be made available to the District staff on request. (cumulative increase)

35. Deleted May, 2001

36. Deleted May, 2001

37. Deleted May, 2001

38. Deleted May, 2001

39. Deleted May, 2001

S3 Fixed Roof Storage Tank, TK-1C, Storing: Heavy Vacuum Gas Oil, Capacity: 3,415,000 Gallons operated with a District approved vapor recovery system and abated by (either) A3 or A20 Mist Eliminator F-10 or F-500 and S24 Hot Oil Heater H-3 or A31 Thermal Oxidizer H-7

40. Materials other than Heavy Gas Oil may be stored in S3, if all of the following are satisfied:
a. the storage of each petroleum material complies with all other conditions applicable to S3

## VI. Permit Conditions

b. the storage of each petroleum material complies with all other applicable regulatory requirements
c. the permittee keeps District approved records that demonstrate to the District's satisfaction that no toxin listed in Table 2-1-316 is emitted from S3 in an amount in excess of the toxin's respective trigger level set forth in Table 2-1-316. (cumulative increase, toxics)

41. The permittee shall ensure that at least 38,300,000 gallons (the 1996 calendar year baseline throughput to S3) of gas oil is throughput exclusively to S3 for storage during every rolling 12 consecutive month period, prior to transferring/storing gas oil material into another vessel for which VOC emissions are not abated with a destruction efficiency of at least 98.5%, by weight. (offsets)

42. The true vapor pressure of each and all material stored in S3 shall not exceed 0.5 psia. (cumulative increase, NSPS)

43. At all times that S3 stores VOC, S3 shall be operated with a District approved vapor recovery system and S3 volatile organic compound emissions shall be abated by (either) A3 or A20 Mist Eliminator F-10 or F-500 and A31 Thermal Oxidizer H-7 or S24 Hot Oil Heater H-3; with a destruction efficiency of at least 98.5%, by weight, as measured across the combustion device (S24 or A31). (cumulative increase, offsets, BACT)

44. The District approved vapor recovery system operated in conjunction with S3 shall operate under negative pressure and ensure that S3, including the District approved vapor recovery system, has no detectable fugitive organic emissions in excess of 100 ppmv, measured as total organic compounds. The vapor recovery system shall be monitored in accordance with BAAQMD Regulation 8, Rule 18. (BACT, cumulative increase, offsets)

45. All tank fittings present at S3 shall be gasketted. (BACT)

46. At the conclusion of each month, the permittee shall record in a District approved log the total volume of each and all liquid materials throughput to S3 during that month and for each rolling 12 consecutive month period, in gallon units or barrel units. This log shall be retained for at least 5 years from date of entry, shall be kept on site, and shall be made available to the District staff on request. (cumulative increase)

47. Deleted 11/29/99. Start-up condition

# VI. Permit Conditions

S5 Asphalt Storage Tank, Fixed Roof, TK-2A, Capacity: 3,415,000 Gallons abated by either A1 or A3 Mist Eliminator F-8 or F-10 and A31 Thermal Oxidizer H-7 or S24 Hot Oil Furnace H-3

S6 Asphalt Storage Tank, Fixed Roof, TK-2B, Capacity: 3,415,000 Gallons abated by either A1 or A3 Mist Eliminator F-8 or F-10 and A31 Thermal Oxidizer H-7 or S24 Hot Oil Furnace H-3

S7 Asphalt Storage Tank, Fixed Roof, TK-3, Capacity: 1,050,000 Gallons abated by either A1 or A3 Mist Eliminator F-8 or F-10 and A31 Thermal Oxidizer H-7 or S24 Hot Oil Furnace H-3

S8 Asphalt Storage Tank, Fixed Roof, TK-4, Capacity: 1,050,000 Gallons abated by either A1 or A3 Mist Eliminator F-8 or F-10 and A31 Thermal Oxidizer H-7 or S24 Hot Oil Furnace H-3

S37 Asphalt Storage Tank, Fixed Roof, TK 54, Capacity: 100,000 Gallons abated by A3 or A20 Mist Eliminator F-10 or F-500 and A31 Thermal Oxidizer H-7 or S24 Hot Oil Furnace H-3

S38 Asphalt Storage Tank, Fixed Roof, TK-55, Capacity: 100,000 Gallons abated by A3 or A20 Mist Eliminator F-10 or F-500 and A31 Thermal Oxidizer H-7 or S24 Hot Oil Furnace H-3

S51 Asphalt Storage Tank TK-506; Fixed Roof Tank, Capacity: 152,880 Gallons abated by A3 or A20 Mist Eliminator F-10 or F-500 and A31 Thermal Oxidizer H-7 or S24 Hot Oil Furnace H-3

S52 Asphalt Storage Tank TK 507, Fixed Roof Tank, Capacity: 152,880 Gallons abated by A3 or A20 Mist Eliminator F-10 or F-500 and A31 Thermal Oxidizer H-7 or S24 Hot Oil Furnace H-3

S53 Asphalt Storage Tank TK 508, Fixed Roof Tank, Capacity: 152,880 Gallons abated by A3 or A20 Mist Eliminator F-10 or F-500 and A31 Thermal Oxidizer H-7 or S24 Hot Oil Furnace H-3

S60 Asphalt Storage Tank TK-505; Fixed Roof, Capacity: 15,000 Gallons abated by (either) A3 or A20 Mist Eliminator F-10 or F-500 and S24 Hot Oil Heater H-3 or A31 Thermal Oxidizer H-7

## VI. Permit Conditions

S61 Asphalt Storage Tank, Fixed Roof, TK-30A, Capacity: 995,400 Gallons abated by A3 or A20 Mist Eliminator F-10 or F-500 and A31 Thermal Oxidizer H-7 or S24 Hot Oil Furnace H-3

S62 Asphalt Storage Tank, Fixed Roof, TK-30B, Capacity: 995,400 Gallons abated by A3 or A20 Mist Eliminator F-10 or F-500 and A31 Thermal Oxidizer H-7 or S24 Hot Oil Furnace H-3

S65 Asphalt Storage Tank, Fixed Roof, TK-32 Tank Capacity: 6,920,000 Gallons abated by A3 or A20 Mist Eliminator F-10 or F-500 and A31 Thermal Oxidizer H-7 or S24 Hot Oil Furnace H-3

S70 Asphalt Additive Mixing Tank, Fixed Roof, Tank Capacity: 2,200 Gallons abated by A3 or A20 Mist Eliminator F-10 or F-500 and A31 Thermal Oxidizer H-7 or S24 Hot Oil Furnace H-3

48. The sum total asphalt throughput to S5, S6, S7, S8, S37, S38, S51, S52, S53, S60, S61, S62, and S65 shall not exceed 6,738,349 barrels (283,010,658 gallons) in any 12 consecutive month period. (cumulative increase, offsets )

49. For S5, S6, S7, S8, S37, S38, S51, S52, S53, S60, S61, S62, S65, S70: Cutback asphalt materials including but not limited to SC Cutback Asphalt, MC Cutback Asphalt, and FM-1 Cutback Asphalt and other cutback asphalt materials shall not be stored in or transferred to any of the above tanks. (toxics)

50. For S5, S6, S7, S8, S37, S38, S51, S52, S53, S60, and S70: the true vapor pressure of each and all materials stored in each tank shall not exceed 0.5 psia. (cumulative increase, offsets )

51. For S61 and S62, the true vapor pressure of each and all materials stored in each tank shall not exceed 0.49 psia. (cumulative increase, offsets, NSPS, BACT)

52. For S65, the true vapor pressure of each and all materials stored in S65 shall not exceed 0.49 psia. (cumulative increase, offsets, BACT)

53. The District approved vapor recovery system operated in conjunction with S65 shall operate under negative pressure and ensure that S65, including the District approved vapor recovery system, has no detectable fugitive organic emissions in excess of 100 ppmv, measured as total

## VI. Permit Conditions

organic compounds. The vapor recovery system shall be monitored in accordance with BAAQMD Regulation 8, Rule 18. (BACT, cumulative increase)

54. Deleted May, 2001.

55. Whenever petroleum materials or VOC are stored at S5, S6, S7, S8, S37, S38, and S70, each source shall be operated with a District approved vapor recovery system with emissions ducted to and abated by (either) A1 or A3 or A20 Mist Eliminator F-8 or F-10 or F-500 and S24 Hot Oil Heater H-3 or A31 Thermal Oxidizer H-7; with a destruction efficiency of at least 98.5%, by weight, as measured across the combustion device (S24 or A31). (cumulative increase, offsets)

56. Whenever petroleum materials or VOC are stored at S51, S52, S53, S60, and S65, each source shall be operated with a District approved vapor recovery system with emissions ducted to and abated by (either) A3 or A20 Mist Eliminator F-10 or F-500 and A31 Thermal Oxidizer H-7 or S24 Hot Oil Heater H-3; with a destruction efficiency of at least 98.5%, by weight, as measured across the combustion device (S24 or A31). (cumulative increase, offsets)

57. Whenever petroleum materials or VOC are stored in S61 and/or S62, each source shall be operated with a District approved vapor recovery system with emissions ducted to and abated by (either) A3 or A20 Mist Eliminator F-10 or F-500 and A31 Thermal Oxidizer H-7 or S24 Hot Oil Heater H-3; with a destruction efficiency of at least 98.5%, by weight, as measured across the combustion device (S24 or A31). (cumulative increase, offsets, BACT)

58. Separately, for each of S5, S6, S7, S8, S37, S38, S51, S52, S53, S60, S61, S62 S65, and S70, at the conclusion of each month, the permittee shall record, by material name, in a District approved log, the total volume of each liquid material throughput to each tank during that month and during each rolling 12 consecutive month period, in gallon units or barrel units. This log shall be retained for at least 5 years from date of entry, shall be kept on site, and shall be made available to the District staff on request. (cumulative increase)

58a. Deleted Application 17468.

58b. The permit holder shall install continuous temperature monitoring

## VI. Permit Conditions

and recording devices for A31, Thermal Oxidizer and S24, Hot Oil Heater. By March 1, 2004, the permit holder shall perform a source test to determine whether A31 and S24 are in compliance with the requirement for 98.5% destruction efficiency, the grain loading limit in BAAQMD Regulation 6-310, and the minimum temperature at which A31 and S24 must operate to maintain the destruction efficiency and compliance with the other standards. All source testing shall be done in accordance with the District's Manual of Procedures. The permit holder shall receive approval from the District's Source Test Manager for installation of test ports and source testing procedures. The results shall be delivered to the District no later than 30 days from the date of the source test. Minor revision procedures in accordance with BAAQMD Regulation 2-6-414 shall be used to add the minimum temperature specification to the Title V permit. (40 CFR 60.113b(c)(1)(ii) and 60.113b(c)(2); 40 CFR 60.473(c); 40 CFR 61.354(c)(4), 61.356(f)(2)(i)(A), and 61.356(f)(2)(i)(C), Regulation 2-6-409.2.2, 2-6-414)

S14 Naphtha Loading Racks abated by A4 Thermal Oxidizer H-6

59. S14 shall be operated with a submerged fill pipe and be abated by A4 Thermal Oxidizer H-6 at all times that materials are transferred at S14. (cumulative increase, offsets, BACT, toxics)

59a. To monitor compliance with the standard in BAAQMD Regulation 8-6-306 for vapor tightness of equipment associated with organic liquid delivery and loading operations at S14, the owner/operator shall inspect the equipment using EPA Method 21 on a quarterly basis. (Regulation 2-6-503)

59b. To monitor compliance with the standard in BAAQMD Regulation 8-6-306 for leak-free equipment associated with organic liquid delivery and loading operations at S14, the owner/operator shall inspect the equipment on a quarterly basis. This condition shall be effective on April 1, 2004. (Regulation 2-6-503)

60. S14 emissions shall be captured by a District approved vapor recovery system and shall be abated by A4 Thermal Oxidizer H-6 with a destruction efficiency of at least 98.5%, by weight, as measured across A4.
(cumulative increase, offsets, BACT, toxics)

61a. The true vapor pressure of the materials transferred at S14 shall not

## VI. Permit Conditions

exceed 11 psia. (cumulative increase, offsets, toxics)

61b. The total throughput of naphtha to S14 shall not exceed 25,749,000 gallons (613,000 barrels) during any consecutive 12-months. (cumulative increase)

S15 Kerosene and Light Vacuum Gas Oil Loading Rack abated by A4 Thermal Oxidizer H-6

62. S15 shall be operated with a submerged fill pipe and be abated by A4 Thermal Oxidizer H-6 at all times that materials are transferred at S15. (cumulative increase, offsets, BACT, toxics)

62a. To monitor compliance with the standard in BAAQMD Regulation 8-6-306 for vapor tightness of equipment associated with organic liquid delivery and loading operations at S15, the owner/operator shall inspect the equipment using EPA Method 21 on a quarterly basis. (Regulation 2-6-503)

62b. To monitor compliance with the standard in BAAQMD Regulation 8-6-306 for leak-free equipment associated with organic liquid delivery and loading operations at S15, the owner/operator shall inspect the equipment on a quarterly basis. (Regulation 2-6-503)

63. S15 emissions shall be captured by a District approved vapor recovery system and shall be abated by A4 Thermal Oxidizer H-6 with a destruction efficiency of at least 98.5%, by weight, as measured across A4.
(cumulative increase, offsets, BACT, toxics)

64a. The true vapor pressure of the materials transferred at and/or sampled from S15 shall not exceed 1.5 psia. All materials loaded at S15 must be transferred from Tanks S13, S59, or S63. (cumulative increase, offsets, toxics)
64b. The total combined throughput of Kerosene and Light Vacuum Gas Oil to S15, shall not exceed 283,011,000 gallons (1,483,000 barrels) during any consecutive 12-months. (cumulative increase, offsets, toxics)

S17 Asphalt Loading Racks abated by A2 Mist Eliminator F-9 and A4 Thermal Oxidizer H-6

## VI. Permit Conditions

S31 Rail Car Loading Rack; 5 Loading Arms, Loading: Asphalt and Light Vacuum Gas Oil abated by A6 Mist Eliminator F-3 and A31 Thermal Oxidizer H-7

S54 Asphalt Loading Rack abated by (either) A3 or A20 Mist Eliminator F-10 or F-500 and A31 Thermal Oxidizer H-7 or S24 Hot Oil Heater H-3

65. S17 shall be abated by A2 Mist Eliminator F-9 and A4 Thermal Oxidizer H-6 at all times that materials are transferred at S17. (cumulative increase)

66. S31 shall be abated by A6 Mist Eliminator F-3 and A31 Thermal Oxidizer H-7 at all times that materials are transferred at S31. (cumulative increase)

67. S54 shall be abated by (either) A3 or A20 Mist Eliminator F-10 or F-500 and A31 Thermal Oxidizer H-7 or S24 Hot Oil Heater H-3 at all times that materials are transferred at S54. (cumulative increase)

68. Emissions from S17 shall be captured by a District approved vapor recovery system and shall be abated by A2 Mist Eliminator F-9 and A4 Thermal Oxidizer H-6 with a destruction efficiency of at least 98.5%, by weight, as measured across A4. (cumulative increase, BACT)

69. Emissions from S31 shall be captured by a District approved vapor recovery system ands hall be abated by A6 Mist Eliminator F-3 and A31 Thermal Oxidizer H-7 with a destruction efficiency of at least 98.5%, by weight, as measured across A31. (cumulative increase, BACT)

70. Emissions from S54 shall be captured by a District approved vapor recovery system and shall be abated by (either) A3 or A20 Mist Eliminator F-10 or F-500 and A31 Thermal Oxidizer H-7 or S24 Hot Oil Heater H-3 with a destruction efficiency of at least 98.5%, by weight, as measured across that combustion device(s) abating S54 (A31 and/or S24). (cumulative increase, BACT)

71. The true vapor pressure of the materials transferred at or sampled from S17 and/or S 54 shall not exceed 0.5 psia. (cumulative increase, offsets)

72. The true vapor pressure of the materials transferred at or sampled from S31 shall not exceed 1.5 psia, unless the material contains asphalt.

## VI. Permit Conditions

(cumulative increase, toxics, offsets)

72a. To monitor compliance with the standard in BAAQMD Regulation 8-6-306 for vapor tightness of equipment associated with organic liquid delivery and loading operations at S31, the owner/operator shall inspect the equipment using EPA Method 21 on a quarterly basis. (Regulation 2-6-503)

72b. To monitor compliance with the standard in BAAQMD Regulation 8-6-306 for leak-free equipment associated with organic liquid delivery and loading operations at S31, the owner/operator shall inspect the equipment on a quarterly basis. (Regulation 2-6-503)

73. If asphalt or any asphalt containing material or any material blended with asphalt is transferred at or sampled from S31, the true vapor of the material may not exceed 0.5 psia. (cumulative increase, toxics, offsets)

74. The total combined throughput of asphalt and all asphalt containing materials to S17, S31, and S54 shall not exceed 283,011,000 gallons during any consecutive 12-months. (cumulative increase, offsets)

75. The permittee shall maintain a District approved log of the monthly throughput of asphalt and all asphalt containing materials to S17, S31, and S54 in gallon units or barrel units during each month and during each rolling 12 consecutive month period, in gallon units or barrel units. This log shall be retained for at least 5 years from date of entry, shall be kept on site, and shall be made available to the District staff on request. (cumulative increase)

76. Deleted May, 2001.

77. Deleted May, 2001.

78. Deleted May, 2001.

79. Deleted May, 2001.

80. Deleted May, 2001.

81. Deleted May, 2001.

82. Deleted May, 2001.

# VI. Permit Conditions

S66 Oil Water Separator, Physical Capacity: 830 GPM, Permitted Capacity: 210 GPM abated by (either) A1 or A3 Mist Eliminator F-8 or F-10 and A31 Thermal Oxidizer H-7 or S24 Hot Oil Furnace H-3

83. The permittee shall ensure that the throughput of liquid material to S66 shall not exceed 110,376,000 gallons per year (210 gallons per minute). (basis: cumulative increase)

84. The cover and each access opening at S66 shall be closed vapor tight (as defined in Regulation 8, Rule 8), and gasketted. (basis: Reg. 8, Rule 8)

85. S66 shall be operated with a District approved vapor recovery system with S66 emissions ducted to and abated by (either) A1 or A3 Mist Eliminator F-8 or F-10 and A31 Thermal Oxidizer H-7 or S24 Hot Oil Heater H-3; with a destruction efficiency of at least 98.5%, by weight, as measured across the combustion device (S24 or A31). (basis: BACT, cumulative increase, contemporaneous emission reductions)

86. The District approved vapor recovery system operated in conjunction with S66 shall operate under negative pressure and ensure that S66, including the District approved vapor recovery system, has no detectable fugitive organic emissions in excess of 100 ppmv, measured as total organic compounds. The vapor recovery system shall be monitored in accordance with BAAQMD Regulation 8, Rule 18. (basis: BACT, cumulative increase, contemporaneous emission reductions)

87. Not less frequently than on a monthly basis, the permittee shall measure and record the volume (in gallons) of oil (slop oil) product recovered at S66 and not less frequently than on a monthly basis, the permittee shall measure and record the volume (in gallons) of waste water product recovered at S66 (waste water discharge to City of Benicia). The sum of the volume of slop oil product and the volume of wastewater product shall recorded in a District approved log as the throughput of liquid material to S66. (basis: cumulative increase)

88. On a monthly basis, the permittee shall record in a District approved log the total volume of all liquid materials throughput to S66 each month, in gallon units or barrel units. This log shall be retained for at least 5 years from date of entry, shall be kept on site, and shall be made available to the District staff on request. (basis: cumulative increase)

# VI. Permit Conditions

89. Deleted 2001.

S16 Kerosene and Heavy Vacuum Gas Oil Loading Rack

90. The true vapor pressure of the materials transferred at and/or sampled from S16 shall not exceed 0.49 psia. (cumulative increase)

91. The total throughput of materials transferred through S16 shall not exceed 25,749,000 gallons (613,000 barrels) during any consecutive 12-months. (cumulative increase)

91a. The permittee shall maintain a District approved log of the monthly throughput of materials transferred at S16 in gallon units or barrel units during each month and during each rolling 12 consecutive month period, in gallon units or barrel units. This log shall be retained for at least 5 years from date of entry, shall be kept on site, and shall be made available to the District staff on request. (cumulative increase)

S41, Wemco Hydrocleaner Induced Air Floatation Machine, abated by A1 or A3 Mist Eliminator F-8 or F-10 and S24 Hot Oil Furnace H-3 or A31 Thermal Oxidizer

92. The permittee shall ensure that the throughput of liquid material to S41 shall not exceed 77,263,200 gallons per year (147 gallons per minute). (basis: cumulative increase)

92a. The permittee shall maintain a District approved log of the monthly throughput of liquid material transferred to S41 in gallon units during each month and during each rolling 12 consecutive month period. This log shall be retained for at least 5 years from date of entry, shall be kept on site, and shall be made available to the District staff on request. (cumulative increase)

III. MARINE OPERATIONS CONDITIONS-S30

*1. The permit holder shall be limited to a total of 12 ships per year at their wharf. These ships shall be exclusively steam vessels less than 49 MDWEIGHT capacity. (Basis: cumulative increase)

*2. While operating within District waters, any vessel delivering raw material to the asphalt plant or the asphalt plant dock shall use fuel oil

## VI. Permit Conditions

with a maximum sulfur content of 2.9% by weight in all combustion units. In addition, all ballasting within District waters shall be accomplished by using dedicated tanks containing no volatile organic compounds. These conditions shall be stipulated in the purchase agreement between the permit holder and the supplier delivering the raw material to the asphalt plant. A copy of this purchase agreement shall be maintained on-site for District review. (Basis: cumulative increase)

3. While any vessel is in port, all asphalt plant combustion units, except for S68, Emergency Diesel Powered Firewater Pump, shall be fired exclusively on natural gas or refinery fuel gas with the maximum H2S content of 10 ppm (by volume). (Basis: cumulative increase)

*4. District personnel shall have free access to board the tankers delivering material to the permit holder while in District waters. (Basis: Regulation 1-440)

*5. The permit holder shall report all marine operations within District waters on a monthly basis. This report shall include all information on ballasting and offloading required by the District in order to determine emissions. (Basis: cumulative increase)

6. Marine loading and shipping of Bunker C fuel oil and gas oil may be done by barges with a capacity less than 100,000 bbls. No more than six barge loadings shall be made in any given month and no more than one barge loading shall be made on any given day. No barge loading shall be made on any day on which a vessel is delivering raw material to the permit holder. (Basis: cumulative increase)

7. The following organic liquids shall not be loaded onto vessels or barges at S30, Marine Loading Dock:

gasoline
gasoline blending stocks
aviation gas
aviation fuel (JP-4 type)
crude oil

(Basis: Synthetic minor condition)

8. The permit holder shall not load any liquid onto a vessel with a prior cargo of the following organic liquids:

gasoline
gasoline blending stocks

## VI. Permit Conditions

aviation gas
aviation fuel (JP-4 type)
crude oil
(Basis: Synthetic minor condition)

9. The permit holder shall keep the following records on a monthly basis of vessels delivering raw material to the asphalt plant, delivering materials to the asphalt plant dock, or loaded at the asphalt plant dock:

a. Number of ships loaded
b. Capacity of ships in MDWEIGHT units
c. Sulfur content of fuel oil used by vessels delivering raw materials
d. H2S content of refinery fuel gas used at the asphalt plant while any vessel is in port
e. Number of barges loaded per day
f. Number of barges loaded per month
g. Capacity of each barge in barrel units
h. Types of liquids loaded into and out of any vessel

(Cumulative Increase)

IV. ODOR REDUCTION MEASURES (Added per AN 14513, 9/95)

*1. The permit holder will maintain water seals, P-traps, caps, covers or equivalent on all process water drains. (1-301)

*2. The permit holder will implement an Asphalt Tank Truck Dome Inspection Program for all asphalt tank trucks that they load. If a truck enters the facility with a leaking or malfunctioning dome lid, the permit holder will take the following action.

*a. First occurrence in rolling twelve month period: the permit holder will orally notify the truck driver and dispatcher of the faulty dome lid, and request that the lid be repaired prior to the truck re-entering the facility.

*b. Second occurrence in a rolling twelve month period: the permit holder will notify the driver and the trucking company in writing that if the truck enters the facility again with a malfunctioning dome hatch, the permit holder will not load the truck until the hatch has been repaired.

*c. Third occurrence in a rolling twelve-month period: the permit holder

# VI. Permit Conditions

will not load the truck. The permit holder will also notify the driver and dispatcher, verbally and in writing, that the truck will not be loaded until the hatch has been repaired, and the repair has been inspected or repair documentation has been received by the permit holder to ensure that the hatch is in proper working order.

*The permit holder shall keep records of all inspections and notifications. These records shall be made available to the District upon request. (1-301)

*3. The permit holder shall provide written notification of the Asphalt Tank Truck Dome Inspection Program to any additional trucking company that may do business with the permit holder in the future, within two weeks of the first asphalt receipt. (1-301)

V. OTHER SOURCES

S24 Hot Oil Heater H-3; Max Firing Rate 9 MM BTU/hr
1. Respective emissions of nitrogen oxides, and carbon monoxide (CO) from S24 shall not exceed 30 ppm and 50 ppm at 3% O2. (Cumulative Increase)

**Condition #18796**
**For S68, Emergency Diesel-powered Firewater Pump**

*1. The engine for emergency firewater pump S-68 shall be fired exclusively on diesel fuel having a sulfur content no greater than 0.05% by weight. The sulfur content of the fuel oil shall be certified by the fuel oil vendor. (Basis: Cumulative Increase)

**Condition 20278**
**For Sources S69, Asphalt Additive Loading Bin, and S70, Asphalt Additive Mixing Tank**

1. The annual throughput of asphalt (excluding additives) at S-70 shall not exceed 400,000 tons during any consecutive 12-month period. (Basis: Regulation 2-2-212, Cumulative Increase)

2. The annual throughput of additives at S-69 shall not exceed 20,000 tons during any consecutive 12-month period. (Basis: Regulation 2-2-212, Cumulative Increase)

## VI. Permit Conditions

3. Hot Oil Heater (S-24) or the Thermal Oxidizer (A-31) shall abate emissions from S-70 at all times that S-70 is in operation. (Basis: Regulation 2-6-503)

*4. Visible dust and smoke emissions from S-69 and S-70 shall not result in fallout on adjacent property in such quantities so as to cause a public nuisance as described in Regulation 1-301 (Basis: Regulation 1)

5. The daily throughput of asphalt (excluding additives) at S-70 shall not exceed 18,500 tons per calendar day. [Basis: Regulation 2-2-212, Cumulative Increase] Amended Application 7471, June 2004, effective upon proposal.

6. In order to demonstrate compliance with the above permit conditions, the following records shall be maintained in a District approved log. These records shall be kept on site and made available for District inspection for a period of at least 5 years from the date on which a record is made.

   a. Total daily throughput of modified asphalt at S-70 and additives at S-69
   Total daily hours of operation of S-70
   c. The daily throughput of product and hours of operation shall be totaled on a monthly basis.
   d. Results of all visible emissions checks and any corrective action
   (Basis: Regulation 2-6-501)

7. A visible emissions check shall be performed on S69 on an annual basis. The visible emissions check shall take place while the equipment is operating and during daylight hours. If any visible emissions are detected, the operator shall take corrective action, and check for visible emissions the next time that the equipment is operated. If no visible emissions are detected, the operator shall continue to check for visible emissions on an annual basis.
   (basis: 2-6-409.2)

**Condition# 19329**
**For Sources S19, Vacuum Heater; S20, S21, Steam Boilers**

Conditions will be imposed on all of the sources in the NOx Compliance Plan to limit the maximum firing rates to the numbers presented in the Plan. For those sources in Phase I, the added condition will read as follows:

## VI. Permit Conditions

*1. The affected sources making up this Alternative Compliance Plan shall not exceed the following maximum hourly firing rates: (Basis: Regulation 2-9-303.4.1~~9, Rule 10~~, Cumulative Increase)

Valero Refining Company (Plant # 12626)
S-7 Pipestill Hydrofiner Furnace: F-103, 53 MMBtu/Hr
S-20 Naphtha Hydrofiner Furnace: F-104, 62 MMBtu/Hr
S-21 Hydrogen Reforming Furnace: F-301, 614 MMBtu/Hr
S-22 Hydrogen Reforming Furnace: F-351, 614 MMBtu/Hr
S-23 HCU Recycle Gas Furnace: F-401, 200 MMBtu/Hr
S-24 Cat Feed Hydrofiner Treat Gas Furnace: F-601, 33 MMBtu/Hr
S-25 Fluid Catalytic Cracker Unit: F-701, 230 MMBtu/Hr
S-26 Cat Naphtha Hydrofiner Furnace: F-801, 33 MMBtu/Hr
S-30- S-S33 Power former Furnace: F-2901 thru 2904, 463 MMBtu/Hr
S-34 Powerformer Regenerator Furnace: F-2905, 74 MMBtu/Hr
S-35 Powerformer Reactivation Furnace: F-2906, 14 MMBtu/Hr
S-40 Utility Package Boiler: SG-2301, 218 MMBtu/Hr
S-41 Utility Package Boiler: SG-2301, 218 MMBtu/Hr
S-173 Coker Steam Superheat Furnace: F-902, 20 MMBtu/Hr
S-220 MRU Hot Oil Furnace: F-4460, 351 MMBtu/Hr

Valero Asphalt Plant (Plant # ~~1~~A0901)
S-19 Vacuum Heater: H-1, 40 MMBtu/Hr (from 33 MMBtu/Hr 4/03, AN 7023)
S-20 Steam Boiler: H-2A, 15 MMBtu/Hr
S-21 Steam Boiler: H-2B, 15 MMBtu/Hr

*2. The applicant shall submit quarterly reports and an annual report (July 1 to June 30) of their ACP activity no later than 30 days after the close of the specified period. (Basis: Regulation 2-9-303.3)

**Condition# 19329**
**For Sources S19, Vacuum Heater; S20, S21, Steam Boilers**

*3. The applicant shall submit all necessary documents to the District to review and approve (or deny) the Alternative Compliance Plan. These documents in support of continuing the ACP shall be submitted no later than 30 days after the close of the calendar year. (Basis: Regulation 2-9-303.3)

*4. The applicant shall maintain all records required in parts #2 and #3 for a period of at least 5 years from the date of such record. These records shall be made available to District staff upon request. (Basis: Regulation 2-9-303.3)

# VI. Permit Conditions

**Condition# 20617**
**For Sources S19, Vacuum Heater; S20, S21, Steam Boilers**

Regulation 9, Rule 10 Refinery-Wide Compliance
This condition shall be effective on December 1, 2004.

*1. The following sources are subject to the refinery-wide NOx emission rate and CO concentration limits in Regulation 9, Rule 10, except that compliance with the facility's ACP pursuant to Regulation 2, Rule 9 and Condition 19329 is considered compliance with the standard in Regulation 9-10-301. The maximum firing rate, the maximum NOx emission factor, and the maximum CO concentration are shown below.

| S# | description | max firing rate MMbtu/hr | NOx lb/MMbtu | CO ppmv @ 3% O2 |
|---|---|---|---|---|
| 19 | Vacuum Heater | 40 | 0.030 | < 200 |
| 20 | Steam Boiler | 14.7 | 0.055 | < 400 |
| 21 | Steam Boiler | 14.7 | 0.055 | < 400 |

(9-10-301 & 9-10-305)

2. The owner/operator of each source shall properly install and properly operate a fuel gas flowmeter and recorder and an O2 monitor and recorder. (9-10-502)

3. The owner/operator of each source shall determine compliance with Regulation 9, Rule 10 as follows:
   A. Calculate NOx emissions from the furnace using measured fuel gas rates and NOx emission factor from Part 1.
   B. During periods of inoperation, the owner/operator shall use the emission adjustment procedures in 9-10-301.2
   C. The daily refinery-wide average emission rate shall be determined by adding the emissions of the sources above to the emissions of the sources in Facility B2626 listed in Condition #19329 and dividing by the total heat input of the above sources added to the total heat input of the sources in Facility B2626 listed in Condition #19329.

   (9-10-502)

4. NOx Box-Operation
   The owner/operator shall operate S19 within a specified range of operating conditions (firing rate and oxygen content). The range shall be established by conducting district approved source tests. (9-10-502)

# VI. Permit Conditions

5. NOx Box-Establishment
The owner/operator shall establish the initial NOx box for S19 by 11/10/03. The procedure for establishing the initial NOx box is:
A. Conduct district approved source tests for NOx and CO, while varying the oxygen concentration and firing rate over the desired operating range for the furnace;
B. Determine the minimum and maximum oxygen concentrations and firing rates for the desired operating range (Note that the minimum O2 at low-fire may be different than the minimum O2 at high-fire. The same is true for the maximum O2);
C. Determine the highest NOx emission factor (lb/Mmbtu) over the entire operating range while maintaining CO concentration below 200 ppm; the owner/operator may choose to use a higher NOx emission factor. If the factor is different than the factor in part 1 above, the emission factor shall be revised using the minor revision procedures in Regulation 2, Rule 6.
D. Plot the following points on a graph and connect the 4 points with straight lines. The resulting polygon is the NOx Box, which represents the allowable operating range for the furnace under which the NOx emission factor from part 5C is deemed to be valid:
   i. Min. O2 at low-fire
   ii. Max. O2 at low-fire
   iii. Min. O2 at high-fire; and
   iv. Max. O2 at high-fire

(9-10-502)

6. NOx Box-limits
A. Except as provided in part 6B, the owner/operator shall operate S19 within the NOx Box at all times of operation.
B. The owner/operator may deviate from the NOx Box up to a maximum of 20% from the established NOx Box (either the firing rate or oxygen limit) provided that the owner/operator conducts a district approved source test within 45 days of the deviation to demonstrate that the deviation complies with the NOx emission factor. The source test results shall be submitted to the district source test manager within 30 days of the test. Any deviation beyond the established NOx Box shall require notification to the Enforcement Division within 96 hours of the deviation.

In order to establish the 20% deviation, each corner shall be adjusted by 20% for both firing rate and oxygen limit. Connecting these points should create another box that will have parallel lines to the original box. This box represents the allowable 20% deviation. Again, any operation beyond the 20% deviation box is a violation of Regulation 9-10-502.

1. If the results of this source test exceed the permitted emission concentrations or

## VI. Permit Conditions

emission rates, the unit will be considered to have been in violation of both Regulations 9-10-502 and 2-1-307 for each day it operated outside of the defined operating range. The owner/operator shall use the measured NOx emission factor to determine compliance with Regulation 9, Rule 10 for each affected time period. In this situation, the facility may submit a permit application to request a modification of the permit condition to change the NOx emission factor and/or adjust the operating range, based on the new test data.

2. If the results of this source test do not exceed emission concentrations or rates, the unit will not be considered to be in violation during this period for operating out of the "box." The owner/operator may submit an application to increase the allowable operating range, based on the new test data.
3. The owner/operator shall not exceed 20% for any deviation of either O2 or firing rate. Any deviation beyond 20% will be considered a violation of Regulation 9-10-502 regardless of whether the deviation is later determined to be in compliance with the original NOx emission factor.
   a. Part 6 does not apply to low firing rate conditions during startup or shutdown periods lasting less than 3 days.
   b. Part 6 does not apply during any source test required or permitted by this condition.

(9-10-502)

7. The owner/operator shall conduct at least two district approved NOx, CO, and O2 source tests at S19 per consecutive 12 month period in order to measure NOx, CO, and O2 at the as-found firing rate, within 20% of the permitted O2 conditions likely to maximize NOx emissions. The time interval between source tests shall not exceed 8 months and not be less than 5 months apart. The source test results shall be submitted to the district source test manager within 30 days of the test. (9-10-502)

8. The owner/operator shall conduct two additional semi-annual district approved NOx, CO, and O2 source tests at S19 at conditions likely to maximize CO at the as-found firing rate, for units that the initial test results or any semi-annual test results of the unit during the past five consecutive year period, are greater than or equal to 200 ppmv CO at 3% O2. The source test results shall be submitted to the district source test manager within 30 days of the test. (9-10-502)

9. If any two source test results at S19 over any consecutive five year period are greater than or equal to 200 ppmv CO at 3% O2, the owner/operator shall properly install and properly operate a CEM to continuously measure CO and O2. The owner/operator shall install the CEM within the time period allowed in the District's Manual of Procedures. (9-10-502)

## VI. Permit Conditions

10. If the owner/operator receives any two violation notices per source relating to NOx emissions over any consecutive five-year period, the owner/operator shall properly install and properly operate CEM to continuously measure NOx and O2. The owner/operator shall install the CEM within the time period allowed in the District's Manual of Procedures. (9-10-502)

11. The owner/operator of S19 shall maintain hourly records of all fuel usage, the higher heat content of the fuel, O2 levels, and all source test data in order to demonstrate compliance with Parts numbers 1 and 12, and Regulation 9, Rule 10. These records shall be kept on site for at least five years from the date of entry in a District approved log and be made available to District staff upon request. (9-10-502)

12. NOx Box-Operating Parameters (to be established by 11/10/03)

    These parameters are based on no more than a one-hour averaging period for both firing rate and O2.

    source #19: 1) low O2/high fire 2) high O2/high fire
    3) low O2/low fire 4) high O2/low fire
    (9-10-502)

13. The owner/operator shall conduct one district approved NOx, CO, and O2 source test at S20 and S21 each per consecutive 12 month period in order to measure NOx, CO, and O2. Any exceedance of the emissions allowed by part 1 shall be considered a violation of Regulation 9-10-502 and 2-1-307. The owner/operator shall conduct the sources at conditions representative of normal operations. The time interval between source tests shall not exceed 13 months and not be less than 10 months apart. The source test results shall be submitted to the district source test manager within 30 days of the test.
    (9-10-502)

# VII. APPLICABLE LIMITS & COMPLIANCE MONITORING REQUIREMENTS

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

**Table VII – A**
**Applicable Limits and Compliance Monitoring Requirements**
**ASPHALT PLANT-WIDE APPLICABILITY**

| Type of Limit | Citation of Limit | FE Y/N | Future Effective Date | Limit | Monitoring Requirement Citation | Monitoring Frequency | Monitoring Type |
|---|---|---|---|---|---|---|---|
| NOX | BAAQMD Condition 1240, part I.14 | Y | | Emissions of NOX < tons per year excluding marine emissions | BAAQMD Condition 1240, parts I.18a and I.18j | P/SA | Calculations |
| Ambient $SO_2$ | BAAQMD 9-1-301 | Y | | Ground level $SO_2$ concentrations (0.5 ppm for 3 min; 0.25 ppm for 60 min; 0.05 ppm for 24 hr) | BAAQMD 9-1-501, and 9-1-110 BAAQMD Manual of Procedures, Volume VI and SIP Manual of Procedures, Volume VI | C | $SO_2$ GLM |
| Ambient $H_2S$ | BAAQMD 9-2-301 | N | | Limitations on $H_2S$ ground level concentrations | BAAQMD 9-2-501 BAAQMD Manual of | C | $H_2S$ GLM |

# VII. Applicable Limits and Compliance Monitoring Requirements

## Table VII – A
## Applicable Limits and Compliance Monitoring Requirements
### ASPHALT PLANT-WIDE APPLICABILITY

| Type of Limit | Citation of Limit | FE Y/N | Future Effective Date | Limit | Monitoring Requirement Citation | Monitoring Frequency | Monitoring Type |
|---|---|---|---|---|---|---|---|
| | | | | | Procedures, Volume VI and SIP Manual of Procedures, Volume VI | | |
| | | Y | | Refinery MACT Startup, Shutdown, Malfunction Report | 40 CFR 63 63.654(h)(1) | P/SA | Report |
| | | Y | | Refinery MACT Periodic Report | 40 CFR 63 63.654(g) | P/SA | Report |
| Benzene | | Y | | Benzene Waste NESHAP Annual Report | 40 CFR 61 61.357(d)(2) | P/A | Report |
| Benzene | | Y | | Benzene Waste NESHAP Quarterly Report | 40 CFR 61 61.357(d)(7) | P/Q | Report |
| Benzene | 40 CFR 61 61.346(b)(1) | Y | | Benzene Waste NESHAP quarterly visual inspection of water seals on drains | 40 CFR 61 61.346(b)(4)(i) | P/Q | Visual Inspection |
| Benzene | 40 CFR 61 61.346(b)(2)(i) | Y | | Benzene Waste NESHAP quarterly visual inspection of tight seals on junction boxes | 40 CFR 61 61.346(b)(4)(iii) | P/Q | Visual Inspection |
| Benzene | 40 CFR 61 61.346(b)(3) | Y | | Benzene Waste NESHAP quarterly visual inspection for cracks in exposed sewer lines | 40 CFR 61 61.346(b)(4)(iv) | P/Q | Visual Inspection |
| SO2 | BAAQMD 9-1-302 | Y | | General emission standard: < 300 ppm SO2 (applies only to gas-fired equipment when GLMs are not functioning) | None | N | N/A |
| | BAAQMD Condition 1240, part | Y | | Emissions of SO2 < 28.049 tons per year excluding marine emissions | None | N | N/A |

# VII. Applicable Limits and Compliance Monitoring Requirements

## Table VII – A
## Applicable Limits and Compliance Monitoring Requirements
### ASPHALT PLANT-WIDE APPLICABILITY

| Type of Limit | Citation of Limit | FE Y/N | Future Effective Date | Limit | Monitoring Requirement Citation | Monitoring Frequency | Monitoring Type |
|---|---|---|---|---|---|---|---|
| | I.14 | | | | | | |
| H2S | BAAQMD 9-1-313.2 | N | | Recovery of 95% of H2S in refinery fuel gas | BAAQMD Condition 1240, part I.13 | C | H2S CEM |
| | SIP 9-1-313.2 | Y | | Recovery of 95% of H2S in refinery fuel gas | BAAQMD Condition 1240, part I.13 | C | H2S CEM |
| Benzene in Waste | 40 CFR 61 61.342(e)(2)(i) | Y | | Uncontrolled benzene < 6 megagrams/year | 40 CFR 61 61.357(d)(5) | P/A | Report |
| Benzene in Waste | 61.345(b) | Y | | Visual inspection of container covers | 40 CFR 61 61.345(b) | P/Q | Visual Inspection |
| VOC | BAAQMD Condition 1240, part I.14 | Y | | Emissions of NMHC < 49.345 tons per year excluding marine emissions | BAAQMD Condition 1240, parts I.18a, and I.18j | P/SA | Calculations |
| VOC | BAAQMD 8-5-328.1.2 | Y | | Tank degassing control device standard; includes 90% abatement efficiency requirement. | BAAQMD 8-5-502 | P/A | Source test |

# VII. Applicable Limits and Compliance Monitoring Requirements

## Table VII – B
## Applicable Limits and Compliance Monitoring Requirements
## S1, S2, S4, S23- CRUDE STORAGE TANKS

| Type of Limit | Citation of Limit | FE Y/N | Future Effective Date | Limit | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type |
|---|---|---|---|---|---|---|---|
| VOC | BAAQMD 8-5-320 | Y | | Deck fitting closure standards; includes gasketted covers | BAAQMD 8-5-401.2 and BAAQMD Condition 1240, Part II.13 | P/Q or event basis | Measure-ment and visual inspection |
| | BAAQMD 8-5-321 | Y | | Primary rim-seal standards; includes gap criteria | BAAQMD 8-5-401.1, and BAAQMD Condition 1240, Part II.13 | P/Q or event basis | Seal inspection |
| VOC | BAAQMD 8-5-322 | Y | | Secondary rim-seal standards; includes gap criteria | BAAQMD Condition 1240, Part II.13 BAAQMD 8-5-401.1 | P/Q or event basis | Seal inspection |
| | BAAQMD 8-5-322.3 | Y | | No gap between tank shell and secondary seal > 0.5 in. | BAAQMD 8-5-402.1 | P/Every 10 years | Secondary seal inspection |
| | BAAQMD 8-5-322.3 | Y | | Cumulative length of all secondary seal gaps > 0.125 in. < 5% of circumference | BAAQMD 8-5-402.1 | P/every 10 years | Secondary seal inspection |
| | BAAQMD 8-5-328.1.2 | Y | | Concentration of organic compounds of < 10,000 ppm as methane after degassing | BAAQMD 8-5-503 | P/E | Portable hydrocarbon detector |
| VOC | | Y | | Report on seal condition and gap measurements | BAAQMD 8-5-405 | P/E After each tank seal inspection | Inspection report |

# VII. Applicable Limits and Compliance Monitoring Requirements

## Table VII – B
## Applicable Limits and Compliance Monitoring Requirements
## S1, S2, S4, S23- CRUDE STORAGE TANKS

| Type of Limit | Citation of Limit | FE Y/N | Future Effective Date | Limit | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type |
|---|---|---|---|---|---|---|---|
| VOC | | Y | | None | BAAQMD 8-5-501.1 | P/E | Records of liquids stored and TVPs |
| VOC | | Y | | None | BAAQMD 8-5-501.2 | P/E | Records of tank seal replacement |
| VOC | 40 CFR 60.113b (b)(4)(i) | Y | | Primary rim-seal standards; includes gap criteria. Repairs are required if accumulated area of gap exceeds 212 sq. cm/m of vessel diameter, width of any portion of the gap exceeds 3.81 cm, the vertical distance of seal is less than 61 cm above the liquid surface, or there are holes, tears or openings in shoe, seal fabric, or seal envelope. | 40 CFR 60.113b (b)(1)-(b)(3) | P/5 yr intervals | Seal inspection |
| VOC | 40 CFR 60.113b (b)(4)(ii) | Y | | Secondary rim-seal standards; includes gap criteria. Repairs are required if accumulated area of gap exceeds 21.2 sq. cm/m of vessel diameter, width of any portion of the gap exceeds 1.27 cm, or there are holes, tears or openings in seal or seal fabric | 40 CFR 60.113b (b)(1)-(b)(3) | P/A | Seal inspection |

# VII. Applicable Limits and Compliance Monitoring Requirements

## Table VII – B
## Applicable Limits and Compliance Monitoring Requirements
## S1, S2, S4, S23- CRUDE STORAGE TANKS

| Type of Limit | Citation of Limit | FE Y/N | Future Effective Date | Limit | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type |
|---|---|---|---|---|---|---|---|
| VOC | | Y | | None | 40 CFR 60.116b(c) | P/E Upon change of service | Record of liquid stored and true vapor pressure |
| VOC | | Y | | None | 40 CFR 60.113b (b)(6) | P/E (Each time tank is emptied & degassed) | Visual inspection of roof, seals, and fittings |
| | BAAQMD Condition 1240, part I.14 | Y | | Emissions of NMHC < 49.345 tons per year excluding marine emissions | BAAQMD Condition 1240, parts 18a, I.18c and I.18j | P/SA | Calculations |
| | BAAQMD Condition 1240, part II.16 | Y | | Vapor pressure shall not exceed 11 psia | BAAQMD 8-5-501.1 | P/E | Records of liquids stored and TVPs |
| | BAAQMD Condition 1240, part II.16 | Y | | Vapor pressure shall not exceed 11 psia | BAAQMD Condition 1240, part II.22 | P/D | Records |
| | BAAQMD Condition 1240, part II.16 | Y | | Vapor pressure shall not exceed 11 psia | BAAQMD Condition 1240, part II.23 | P/M | Records |
| Through-put | BAAQMD Condition 1240, part II.14 | Y | | 6,235,000 barrels/yr for S1, S2, S4, and S23 combined | BAAQMD Condition 1240, part II.22 | P/D | records |

# VII. Applicable Limits and Compliance Monitoring Requirements

## Table VII – B
## Applicable Limits and Compliance Monitoring Requirements
## S1, S2, S4, S23- CRUDE STORAGE TANKS

| Type of Limit | Citation of Limit | FE Y/N | Future Effective Date | Limit | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type |
|---|---|---|---|---|---|---|---|
| | BAAQMD Condition 1240, part II.14 | Y | | 6,235,000 barrels/yr for S1, S2, S4, and S23 combined | BAAQMD Condition 1240, part II.23 | P/M | records |

## Table VII – C
## Applicable Limits and Compliance Monitoring Requirements
## S3, GAS OIL STORAGE TANK, TK-1C

| 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 Condition 1240, part I.14 | Y | | Emissions of NMHC < 49.345 tons per year excluding marine emissions | BAAQMD Condition 1240, parts 18a, I.18c and I.18j | P/SA | Calculations |
| | BAAQMD Condition 1240, part II.41 | Y | | 38,300,000 gallons of gas oil must be transferred to S3 every 12-month period before gas oil is stored in a tank without 98.5% control | BAAQMD Condition 1240, part II.46 | P/M | Records |
| | BAAQMD Condition 1240, part II.42 | Y | | Vapor pressure shall not exceed 0.5 psia | BAAQMD Condition 1240, part II.46 | P/M | Records |
| | BAAQMD Condition 1240, part II.43 | Y | | 98.5% control efficiency | BAAQMD Condition 1240, part II.58b | C | Temperature monitoring |

# VII. Applicable Limits and Compliance Monitoring Requirements

## Table VII – C
## Applicable Limits and Compliance Monitoring Requirements
## S3, GAS OIL STORAGE TANK, TK-1C

| Type of Limit | Citation of Limit | FE Y/N | Future Effective Date | Limit | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type |
|---|---|---|---|---|---|---|---|
| | BAAQMD Condition 1240, part II.44 | Y | | Fugitive emissions at vapor recovery system (S24 or A31) shall not exceed 100 ppmv | BAAQMD Condition 1240, part II.44 | P/Q or A | Method 21 |

# VII. Applicable Limits and Compliance Monitoring Requirements

## Table VII - D
## Applicable Limits and Compliance Monitoring Requirements
## S5, S6, S7, S8-ASPHALT STORAGE TANKS
## S37, S38-RUBBERIZED ASPHALT SALES TANKS

| Type of Limit | Citation of Limit | FE Y/N | Future Effective Date | Limit | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type |
|---|---|---|---|---|---|---|---|
| Opacity | BAAQMD 6-301 | Y | | Ringelmann No. 1 for no more than 3 minutes in any hour | BAAQMD Condition #1240, II.58b | C | Temperature monitoring |
| | 40 CFR 60.472(c) | Y | | 0 percent opacity except for one consecutive 15-min period in any 24-hr period for cleaning | 40 CFR 60.473(c) and BAAQMD Condition #1240, II.58b | C | Temperature monitoring |
| FP | BAAQMD 6-310 | Y | | 0.15 gr/dscf | BAAQMD Condition #1240, II.58b | C | Temperature monitoring |
| VOC | BAAQMD 8-15-305 | Y | | None | BAAQMD 8-15-501 | P/E | Records |
| | BAAQMD Condition 1240, part I.14 | Y | | Emissions of NMHC < 49.345 tons per year excluding marine emissions | BAAQMD Condition 1240, parts 18a, I.18c and I.18j | P/SA | Calculations |
| | BAAQMD Condition #1240, II.50 | Y | | Vapor pressure may not exceed 0.5 psia | BAAQMD Condition #1240, II.58 | P/M | Records |
| | BAAQMD Condition #1240, II.55 | Y | | 98.5% destruction of vapors | BAAQMD Condition 1240, part II.58b | C | Temperature monitoring |
| Through-put limit | BAAQMD Condition #1240, II.48 | Y | | 6,738,349 barrels/yr total for S5, S6, S7, S8, S37, S38, S51, S52, S53, S60, S61, S62, and S65 | BAAQMD Condition #1240, II.58 | P/M | Records |

# VII. Applicable Limits and Compliance Monitoring Requirements

## Table VII – E
## Applicable Limits and Compliance Monitoring Requirements
## S9, NAPHTHA STORAGE 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 | BAAQMD 8-5-320.3.1 | Y | | No gaps > 0.32 cm in gasketed covers, seals, or lids | BAAQMD 8-5-402.3 | P/SA | Measure-ment and visual inspection |
| | BAAQMD 8-5-320.4.2 | Y | | No gaps > 0.32 cm in gasketed covers, seals, or lids for solid sampling wells and similar fixed projections | BAAQMD 8-5-402.3 | P/SA | Measure-ment and visual inspection |
| | BAAQMD 8-5-320.4.3 | Y | | gaps between well and roof + gaps in secondary seal < 1.3 cm | BAAQMD 8-5-402.3 | P/SA | Measure-ment and visual inspection |
| | BAAQMD 8-5-320.5.2 | Y | | No gaps > 1.3 cm between float and well | BAAQMD 8-5-402.3 | P/SA | Measure-ment and visual inspection |
| | BAAQMD 8-5-320.5.3 | Y | | gaps between well and roof + gaps in secondary seal < 1.3 cm | BAAQMD 8-5-402.3 | P/SA | Measure-ment and visual inspection |
| | BAAQMD 8-5-320.6 | Y | | cover > 90% of area of opening on emergency roof drains | BAAQMD 8-5-402.3 | P/SA | Measure-ment and visual inspection |
| VOC | BAAQMD 8-5-321.1 | Y | | No holes, tears or openings in primary seal fabric | BAAQMD 8-5-402.2 | P/SA | Primary seal inspection |
| VOC | BAAQMD 8-5-321.1 | Y | | No holes, tears or openings in primary seal fabric | BAAQMD 8-5-403 | P/every 10 years | Primary seal inspection |

# VII. Applicable Limits and Compliance Monitoring Requirements

## Table VII – E
## Applicable Limits and Compliance Monitoring Requirements
## S9, NAPHTHA STORAGE 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 | BAAQMD 8-5-321.3.1 | Y | | Maximum gap between shoe and tank shell < 3 in. for a length of 18 in. in vertical plane above liquid surface | BAAQMD 8-5-402.1 | P/every 10 years | Primary seal inspection |
| VOC | BAAQMD 8-5-321.3.2 | Y | | No gap between tank shell and primary seal > 1.5 in. | BAAQMD 8-5-402.1 | P/every 10 years | Primary seal inspection |
| | BAAQMD 8-5-321.3.2 | Y | | No continuous gap > 0.125 in shall exceed 10% of circumference of tank | BAAQMD 8-5-402.1 | P/every 10 years | Primary seal inspection |
| | BAAQMD 8-5-321.3.2 | Y | | Cumulative length of all primary seal gaps > 0.5 in. < 10% of circumference | BAAQMD 8-5-402.1 | P/every 10 years | Primary seal inspection |
| | BAAQMD 8-5-321.3.2 | Y | | Cumulative length of all primary seal gaps > 0.125 in. < 40% of circumference | BAAQMD 8-5-402.1 | P/every 10 years | Primary seal inspection |
| | BAAQMD 8-5-322.1 | Y | | No holes, tears or openings in secondary seal fabric | BAAQMD 8-5-402.2 | P/SA | Secondary seal inspection |
| | BAAQMD 8-5-322.3 | Y | | No gap between tank shell and secondary seal > 0.5 in. | BAAQMD 8-5-402.1 | P/Every 10 years | Secondary seal inspection |
| | BAAQMD 8-5-322.3 | Y | | Cumulative length of all secondary seal gaps > 0.125 in. < 5% of circumference | BAAQMD 8-5-402.1 | P/every 10 years | Secondary seal inspection |
| VOC | BAAQMD 8-5-322.5 | Y | | No gap between tank shell and secondary seal > 0.06 in. | BAAQMD 8-5-402.1 | P/every 10 years | Secondary seal inspection |
| VOC | BAAQMD 8-5-322.5 | Y | | Cumulative length of all secondary seal gaps > 0.02 in. < 5% of circumference excluding gaps < 1.79 in. from vertical seams | BAAQMD 8-5-402.1 | P/every 10 years | Secondary seal inspection |

# VII. Applicable Limits and Compliance Monitoring Requirements

## Table VII – E
## Applicable Limits and Compliance Monitoring Requirements
## S9, NAPHTHA STORAGE TANK

| Type of Limit | Citation of Limit | FE Y/N | Future Effective Date | Limit | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type |
|---|---|---|---|---|---|---|---|
| | BAAQMD 8-5-328.1.2 | Y | | Concentration of organic compounds of < 10,000 ppm as methane after degassing | BAAQMD 8-5-503 | P/E | Portable hydrocarbon detector |
| VOC | | Y | | None | BAAQMD 8-5-501.1 | P/E | Records of liquids stored and TVPs |
| VOC | | Y | | None | BAAQMD 8-5-501.2 | P/E | Records of tank seal replacement |
| | 40 CFR 60.113b(a)(1) | Y | | Repair of defects: detached seal, liquid on roof, holes or tears in seal fabric | 40 CFR 60.113b(a)(1) | P/E (before filling vessel) | Visual inspection |
| VOC | 40 CFR 60.113b(a)(2) | Y | | Repair of defects: detached seal, liquid on roof, holes or tears in seal fabric | 40 CFR 60.113b(a)(2) | P/A | Visual inspection |
| | 40 CFR 60.113b(a)(4) | Y | | Repair of defects: detached seal, liquid on roof, holes or tears in seal fabric | 40 CFR 60.113b(a)(4) | P/E (when tank is emptied and degassed) and at least every 10 years | Visual inspection |
| VOC | | Y | | None | 40 CFR 60.116b(c) | P/E Upon change of service | Records of maximum true pressure of volatile organic liquids |

# VII. Applicable Limits and Compliance Monitoring Requirements

## Table VII – E
## Applicable Limits and Compliance Monitoring Requirements
## S9, NAPHTHA STORAGE 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 | BAAQMD Condition 1240, part I.14 | Y | | Emissions of NMHC < 49.345 tons per year excluding marine emissions | BAAQMD Condition 1240, parts 18a, I.18c and I.18j | P/SA | calculations |
| | BAAQMD Condition 1240, part II.26 | Y | | Vapor pressure shall not exceed 11 psia | BAAQMD Condition 1240, part II.29 | P/M | Records |
| Through-put | BAAQMD Condition 1240, part II.28 | Y | | < 24,019,000 gallons in any consecutive 12-month period | BAAQMD Condition 1240, part II.29 | P/M | Records |

## Table VII – F

## Applicable Limits and Compliance Monitoring Requirements
## S12, WASTEWATER 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 | 40 CFR 61.343(a)(1)(B) | Y | | Tank openings maintained in closed and sealed position | 40 CFR 61.353(c) | P/Q | Visual inspection |
| VOC | 40 CFR 61.349(a)(1)(ii)(B) | Y | | Car-sealed valves on bypass lines | 40 CFR 61.354(f)(1) | P/M | Visual inspection |
| | 40 CFR 61.349(a)(1)(i) | Y | | Operation with Fugitive emissions < 500 ppmv | 40 CFR 61.349(f) | P/Q | Visual inspection |

# VII. Applicable Limits and Compliance Monitoring Requirements

## Table VII – F

## Applicable Limits and Compliance Monitoring Requirements
## S12, WASTEWATER 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 | 40 CFR 61.349(a)(2)(i)(A) | Y | | 95% control (by A31 incinerator) | 40 CFR 61.354(c)(1) | C | Temper-ature measure-ment |
| VOC | 40 CFR 61.349(a)(2)(i)(A) | Y | | 95% control (by S24 process heater) | 40 CFR 61.354(c)(4) | C | Temper-ature measure-ment |
| VOC | BAAQMD Condition 1240, part I.14 | Y | | Emissions of NMHC < 49.345 tons per year excluding marine emissions | BAAQMD Condition 1240, parts 18a, I.18e and I.18j | P/SA | Calculations |

## Table VII – G
## Applicable Limits and Compliance Monitoring Requirements
## S13, KEROSENE TANK #8

| Type of Limit | Citation of Limit | FE Y/N | Future Effective Date | Limit | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type |
|---|---|---|---|---|---|---|---|
| VOC | BAAQMD 8-5-303.1 | Y | | PV valve set pressure within 10% of working pressure or at least 0.5 psig | BAAQMD 8-5-403 | P/SA | Inspection |
| | BAAQMD 8-5-303.2 | Y | | gas tight (< 500 ppm) except when operating pressure exceeds the valve set pressure | BAAQMD 8-5-403 | P/SA | Inspection |
| VOC | BAAQMD 8-5-306 | Y | | 95% control of organic vapors | BAAQMD Condition 1240, part II.58b | C | Temperature monitoring |

# VII. Applicable Limits and Compliance Monitoring Requirements

## Table VII – G
## Applicable Limits and Compliance Monitoring Requirements
## S13, KEROSENE TANK #8

| Type of Limit | Citation of Limit | FE Y/N | Future Effective Date | Limit | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type |
|---|---|---|---|---|---|---|---|
| VOC | BAAQMD 8-5-328.1.2 | Y | | Concentration of organic compounds of < 10,000 ppm as methane after degassing | BAAQMD 8-5-503 | P/E | Portable hydrocarbon detector |
| VOC | | Y | | None | BAAQMD 8-5-501.1 | P/E | Records of liquids stored and TVPs |
| VOC | 40 CFR 60.112b(a)(3)(i) | Y | | "No detectable emissions," as determined by 40 CFR 60.485(b), equivalent to < 500 ppm | BAAQMD Condition 1240, part II.32e | P/SA | EPA Method 21 |
| VOC | 40 CFR 60.112b(a)(3)(ii) | Y | | 95% control of inlet VOC | BAAQMD Condition 1240, part II.58b | C | Temperature monitoring |
| VOC | BAAQMD Condition 1240, part I.14 | Y | | Emissions of NMHC < 49.345 tons per year excluding marine emissions | BAAQMD Condition 1240, parts 18a, I.18c and I.18j | P/SA | Calculations |
| | BAAQMD Condition 1240, part II.31 | Y | | Vapor pressure shall not exceed 1.5 psia | BAAQMD Condition 1240, part II.31a | P/A | determi-nation pf vapor pressure |
| | BAAQMD Condition 1240, part II.32a | Y | | 98.5% destruction of vapors | BAAQMD Condition 1240, part II.58b | C | Temperature monitoring |
| Through-put | BAAQMD Condition 1240, part II.33a | Y | | < 68,208,000 gallons in any consecutive 12-month period for S13, S59, and S63 total | BAAQMD Condition 1240, part II.34 | P/M | Records |

# VII. Applicable Limits and Compliance Monitoring Requirements

## Table VII – H
## Applicable Limits and Compliance Monitoring Requirements
## S14, TRUCK LOADING RACKS, NAPHTHA

| 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 8-6-301 | Y | | 21 g/cubic meter (0.17 lb/1000 gallons) | BAAQMD Condition 1240, part I.19 | C | Temperature monitoring |
| | BAAQMD 8-6-304 | Y | | 21 g/cubic meter (0.17 lb/1000 gallons) | BAAQMD Condition 1240, part I.19 | C | Temperature monitoring |
| | BAAQMD 8-6-306 | Y | | Equipment shall be vapor-tight: i.e., leaks shall not exceed 100% of the LEL at 1 cm | BAAQMD Condition 1240, part I.59a | P/Q | Method 21 |
| | BAAQMD 8-6-306 | Y | | Equipment shall be leak-free: i.e., leak rate shall not exceed 3 drops/min, excluding losses which occur upon disconnecting transfer fittings | BAAQMD Condition 1240, part I.59b | P/Q | Inspection |
| | BAAQMD 8-6-306 | Y | | Leaks during transfer shall not exceed 10 milliliters (ml) during a bottom loading operation or no more than two milliliters (ml) during a top loading operation, averaged over three disconnects. | BAAQMD Condition 1240, part I.59b | P/Q | Inspection |
| VOC | BAAQMD Condition 1240, part I.14 | Y | | Emissions of NMHC < 49.345 tons per year excluding marine emissions | BAAQMD Condition 1240, parts 18a, I.18d and I.18j | P/SA | Calculations |

# VII. Applicable Limits and Compliance Monitoring Requirements

## Table VII – H
## Applicable Limits and Compliance Monitoring Requirements
## S14, TRUCK LOADING RACKS, NAPHTHA

| Type of Limit | Citation of Limit | FE Y/N | Future Effective Date | Limit | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type |
|---|---|---|---|---|---|---|---|
| | BAAQMD Condition #1240, part II.60 | Y | Within 90 days of issuance of Title V permit | 98.5% destruction of vapors by weight | BAAQMD Condition 1240, part I.19 | C | Temperature monitoring |
| | BAAQMD Condition #1240, part II.61a | Y | | Vapor pressure < 11 psia | BAAQMD Condition 1240, part II.29 | P/M | Records |
| Through-put limit | BAAQMD Condition #1240, part II.61b | Y | | 25,749,000 gallons/any consecutive 12 months | BAAQMD 8-6-501.2 | P/M | records |

# VII. Applicable Limits and Compliance Monitoring Requirements

**Table VII – I**
**Applicable Limits and Compliance Monitoring Requirements**
**S15, TRUCK LOADING RACKS, GAS OIL**

| 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 8-6-301 | Y | | 21 g/cubic meter (0.17 lb/1000 gallons) | BAAQMD Condition 1240, part I.19 | C | Temperature monitoring |
| | BAAQMD 8-6-304 | Y | | 21 g/cubic meter (0.17 lb/1000 gallons) | BAAQMD Condition 1240, part I.19 | C | Temperature monitoring |
| | BAAQMD 8-6-306 | Y | | Equipment shall be vapor-tight: i.e., leaks shall not exceed 100% of the LEL at 1 cm | BAAQMD Condition 1240, part I.62a | P/Q | Method 21 |
| | BAAQMD 8-6-306 | Y | | Equipment shall be leak-free: i.e., leak rate shall not exceed 3 drops/min, excluding losses which occur upon disconnecting transfer fittings | BAAQMD Condition 1240, part I.62b | P/Q | Inspection |
| | BAAQMD 8-6-306 | Y | | Leaks during transfer shall not exceed 10 milliliters (ml) during a bottom loading operation or no more than two milliliters (ml) during a top loading operation, averaged over three disconnects. | BAAQMD Condition 1240, part II.62b | P/Q | Inspection |
| | BAAQMD Condition 1240, part I.14 | Y | | Emissions of NMHC < 49.345 tons per year excluding marine emissions | BAAQMD Condition 1240, parts 18a, I.18d and I.18j | P/SA | Calculations |

# VII. Applicable Limits and Compliance Monitoring Requirements

**Table VII – I**
**Applicable Limits and Compliance Monitoring Requirements**
**S15, TRUCK LOADING RACKS, GAS OIL**

| Type of Limit | Citation of Limit | FE Y/N | Future Effective Date | Limit | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type |
|---|---|---|---|---|---|---|---|
| | BAAQMD Condition #1240, part II.63 | Y | | 98.5% destruction of vapors by weight | BAAQMD Condition 1240, part I.19 | C | Temperature monitoring |
| VOC | BAAQMD Condition #1240, part II.64a | Y | | Vapor pressure < 1.5 psia | None | N | N/A |
| Through-put limit | BAAQMD Condition #1240, part II.64b | Y | | 283,011,000 gallons/any consecutive 12 months | BAAQMD 8-6-501.2 | P/M | Records |

# VII. Applicable Limits and Compliance Monitoring Requirements

## Table VII – J
## Applicable Limits and Compliance Monitoring Requirements
## S16, TRUCK LOADING RACKS, KEROSENE OR DISTILLATE OIL

| 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 Condition 1240, part I.14 | Y | | Emissions of NMHC < 49.345 tons per year excluding marine emissions | BAAQMD Condition 1240, parts 18a, I.18d and I.18j | P/SA | Calculations |
| VOC | BAAQMD Condition #1240, part II.90 | Y | | Vapor pressure < 0.49 psia | None | N | N/A |
| Through-put limit | BAAQMD Condition #1240, part II.91 | Y | | 25,749,000 gallons/any consecutive 12 months | BAAQMD Condition #1240, part II.91a | P/M | Records |

## Table– VII - K
## Applicable Limits and Compliance Monitoring Requirements
## S17, TRUCK LOADING RACKS-ASPHALT

| 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 8-15-305 | Y | | None | BAAQMD 8-15-501 | P/E | Records |
| | BAAQMD Condition 1240, part I.14 | Y | | Emissions of NMHC < 49.345 tons per year excluding marine emissions | BAAQMD Condition 1240, parts 18a, I.18d and I.18j | P/SA | Calculations |

# VII. Applicable Limits and Compliance Monitoring Requirements

## Table– VII - K
## Applicable Limits and Compliance Monitoring Requirements
## S17, TRUCK LOADING RACKS-ASPHALT

| 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 Condition #1240, part II.68 | Y | | 98.5% destruction of vapors by weight | BAAQMD Condition 1240, part I.19 | C | Temperature monitoring |
| | BAAQMD Condition #1240, part II.71 | Y | | Vapor pressure < 0.5 psia | BAAQMD Condition #1240, part II.75 | P/M | Records |
| Through-put limit | BAAQMD Condition #1240, part II.74 | Y | | 283,011,000 gallons/any consecutive 12 months for S17, S31, and S54 combined | BAAQMD Condition #1240, part II.75 | P/M | Records |
| Opacity | BAAQMD 6-301 | Y | | Ringelmann No. 1 for no more than 3 minutes in any hour | BAAQMD Condition 1240, part I.19 | C | Temperature monitoring |
| FP | BAAQMD 6-310 | Y | | 0.15 gr/dscf | BAAQMD Condition 1240, part I.19 | C | Temperature monitoring |
| Odor | | N | | | BAAQMD Condition #1240, part IV.2 | P/E | Asphalt tank truck dome inspection program |

# VII. Applicable Limits and Compliance Monitoring Requirements

## Table VII – L
## Applicable Limits and Compliance Monitoring Requirements
## S18, CRUDE UNIT

| 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 8-10-301 | Y | | Abatement of emissions from process vessel depressurization is required until pressure is reduced to less than 1000 mm Hg | BAAQMD 8-10-401 | P/E | Records of hydrocarbon concen-tration and emissions |
| | BAAQMD Condition 1240, part I.14 | Y | | Emissions of NMHC < 49.345 tons per year excluding marine emissions | BAAQMD Condition 1240, parts 18a, I.18b and I.18j | P/SA | Calculations |
| | BAAQMD Condition #1240, part I.3 | Y | | 98.5% destruction of vapors by weight | BAAQMD Condition 1240, part I.16b | P/every 2 years | Source test |
| HAP | 40 CFR 63 63.643(a)(2) | Y | | Reduce HAPs by 98% or to 20 ppm @ 3% oxygen | 40 CFR 63 63.644(a)(3) | N | Exempt from monitoring |
| Through-put limit | BAAQMD Condition #1240, part I.1 | Y | | 5,292,000 barrels/any consecutive 12 months | BAAQMD Condition #1240, part I.4 | P/M | Records |
| | BAAQMD Condition #1240, part I.2 | Y | | 18,000 barrels/any calendar day | BAAQMD Condition #1240, part I.4 | P/M | Records |

# VII. Applicable Limits and Compliance Monitoring Requirements

## Table– VII - M
## Applicable Limits and Compliance Monitoring Requirements
## S19, VACUUM HEATER

| Type of Limit | Citation of Limit | FE Y/N | Future Effective Date | Limit | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type |
|---|---|---|---|---|---|---|---|
| NOX | BAAQMD 9-10-301 | N | | Refinery-wide emissions (excluding CO Boilers): 0.033 lb NOx/ MMBTU, operating day average (compliance with the ACP pursuant to BAAQMD Regulation 2-9-303 and condition #19329 is considered compliance with this limit) | BAAQMD 9-10-502 & BAAQMD Condition #20617 (condition effective 12/1/04) | P/every six months | Source test |
| | BAAQMD 9-10-301 | N | | Refinery-wide emissions (excluding CO Boilers): 0.033 lb NOx/ MMBTU, operating day average (compliance with the ACP pursuant to BAAQMD Regulation 2-9-303 and condition #19329 is considered compliance with this limit) | BAAQMD 9-10-502 & BAAQMD Condition #20617 (condition effective 12/1/04) | P/D | Emission calculations using emission factors, fuel meter, and O2 meter data |
| | BAAQMD 9-10-303 | Y | | Refinery-wide emissions (excluding CO boilers): 0.20 lb NOX/MMbtu, operating day average | BAAQMD 9-10-502.1 | P/every six months | Source test |
| | SIP 9-10-303 | Y | | Refinery-wide emissions (excluding CO boilers): 0.20 lb NOX/MMbtu, operating day average | BAAQMD 9-10-502.1 | P/every six months | Source test |
| | BAAQMD Condition 1240, part I.8 | Y | | 25 ppmv (dry, 3% O2, one hour average) | 9-10-502 and BAAQMD Condition 1240, part I.16a | P/every six months | Source test |

# VII. Applicable Limits and Compliance Monitoring Requirements

## Table– VII - M
## Applicable Limits and Compliance Monitoring Requirements
## S19, VACUUM HEATER

| Type of Limit | Citation of Limit | FE Y/N | Future Effective Date | Limit | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type |
|---|---|---|---|---|---|---|---|
| NOX | BAAQMD Condition 1240, part I.14 | Y | | Emissions of NOX < 40.047 tons per year excluding marine emissions | BAAQMD Condition 1240, parts I.18a, I.18h and I.18j | P/SA | Calculations |
| O2 | | Y | | No limit | BAAQMD Condition 1240, I.10 | C | Oxygen analyzer |
| | BAAQMD Condition #20617, part 12 | Y | 4/1/04 | No limit (limit to be established by 11/10/03) | BAAQMD Condition #20617, part 11 (condition effective 12/1/04) | P/H | Oxygen analyzer |
| CO | BAAQMD 9-10-305 | N | | 400 ppmv (dry, 3% $O_2$), operating day average | BAAQMD 9-10-502 and BAAQMD Condition 1240, part I.16a | P/every six months | Source test |
| | BAAQMD Condition 1240, part I.5b | Y | | 50 ppmv (dry, 3% O2) over any one-hour period | BAAQMD Condition 1240, part I.16a | P/every 6 months | Source test |
| | BAAQMD Condition 1240, part I.5c | Y | | 1.47 lb/hr over any one-hour period | BAAQMD Condition 1240, part I.16a | P/every 6 months | Source test |

# VII. Applicable Limits and Compliance Monitoring Requirements

## Table– VII - M
## Applicable Limits and Compliance Monitoring Requirements
## S19, VACUUM HEATER

| Type of Limit | Citation of Limit | FE Y/N | Future Effective Date | Limit | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type |
|---|---|---|---|---|---|---|---|
| | BAAQMD Condition #20617, part 9 (condition effective 12/1/04) | Y | 4/1/04 | 200 ppmv (dry, 3% $O_2$), operating day average or installation of a CO CEM | BAAQMD Condition #20617, parts 7 and 8 (condition effective 12/1/04) | P/every 6 months | Source test |
| SO2 | 40 CFR, 60.104(a)(1) | Y | | Fuel gas H2S concentration limited to 230 mg/dscm (0.10 gr/dscf) except for gas burned as a result of process upset or gas burned at flares from relief valve leaks or other emergency malfunctions | 40 CFR 60.105(a)(4) | C | H2S analyzer |
| | BAAQMD Condition 1240, part III.3 | Y | | Fuel gas H2S concentration limited to 163 ppmv, dry, prior to mixing averaged over any consecutive 3-hr period | BAAQMD Condition 1240, part I.13 | C | H2S CEM |
| | BAAQMD Condition 1240, part I.12 | Y | | Fuel gas H2S concentration limited to 10 ppmv, dry, prior to mixing averaged over any consecutive 24-hr period | BAAQMD Condition 1240, part I.13 | C | H2S CEM |
| SO2 | BAAQMD Condition 1240, part I.12 | Y | | fuel gas H2S concentration limited to 10 ppmv, dry, when any vessel is in port | BAAQMD Condition 1240, part I.13 | C | H2S CEM |
| | BAAQMD Condition 1240, part I.14 | Y | | Emissions of SO2 < 28.049 tons per year excluding marine emissions | None | N | N/A |

# VII. Applicable Limits and Compliance Monitoring Requirements

## Table– VII - M
## Applicable Limits and Compliance Monitoring Requirements
## S19, VACUUM HEATER

| Type of Limit | Citation of Limit | FE Y/N | Future Effective Date | Limit | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type |
|---|---|---|---|---|---|---|---|
| Opacity | BAAQMD 6-301 | Y | | Ringelmann No. 1 for no more than 3 minutes in any hour | None | N | N/A |
| FP | BAAQMD 6-310.3 | Y | | 0.15 grain/dscf @ 6% oxygen | None | N | N/A |
| VOC | BAAQMD Condition #1240, part I.3 | Y | | 98.5% destruction of vapors by weight | BAAQMD Condition 1240, part I.16b | P/every 2 years | Source test |
| | BAAQMD Condition 1240, part I.14 | Y | | Emissions of NMHC < 49.345 tons per year excluding marine emissions | BAAQMD Condition 1240, parts I.18a, I.18f and I.18j | P/SA | Calculations |
| HAP | 40 CFR 63 63.643(a)(2) | Y | | Reduce HAPs by 98% or to 20 ppm @ 3% oxygen | 40 CFR 63 63.644(a)(3) | None | Exempt from monitoring |
| Through-put | BAAQMD Condition 1240, part I.5 | Y | | Maximum heat input to all asphalt plant combustion units < 93.6 MMbtu/hr | BAAQMD Condition 1240, part I.5 | C | Fuel meters |
| | BAAQMD Condition 1240, part I.5a | Y | | Maximum heat input to S19 < 40 MMbtu/hr | 9-10-502.2 | C | Fuel meters |
| Through-put | BAAQMD Condition 19329, part 1 | Y | | Maximum heat input to S19 < 40 MMbtu/hr | 9-10-502.2 | C | Fuel meters |

# VII. Applicable Limits and Compliance Monitoring Requirements

## Table VII – N
## Applicable Limits and Compliance Monitoring Requirements
## S20, STEAM BOILER

| Type of Limit | Citation of Limit | FE Y/N | Future Effective Date | Limit | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type |
|---|---|---|---|---|---|---|---|
| NOX | BAAQMD 9-10-301 | N | | Refinery-wide emissions (excluding CO Boilers): 0.033 lb NOx/ MMBTU, operating day average (compliance with the ACP pursuant to BAAQMD Regulation 2-9-303 and condition #19329 is considered compliance with this limit) | BAAQMD 9-10-502 and BAAQMD Condition 20617, part 13 (condition effective 12/1/04) | P/A | Source test |
| | BAAQMD 9-10-301 | N | | Refinery-wide emissions (excluding CO Boilers): 0.033 lb NOx/ MMBTU, operating day average (compliance with the ACP pursuant to BAAQMD Regulation 2-9-303 and condition #19329 is considered compliance with this limit) | BAAQMD 9-10-502 and BAAQMD Condition 20617, parts 1, 2, and 3 (condition effective 12/1/04) | P/D | Emission calculations using emission factors and fuel meter |
| | BAAQMD 9-10-303 | Y | | Refinery-wide emissions (excluding CO boilers): 0.20 lb NOX/MMbtu, operating day average | BAAQMD 9-10-502.1 | P/A | Source test |
| | SIP 9-10-303 | Y | | Refinery-wide emissions (excluding CO boilers): 0.20 lb NOX/MMbtu, operating day average | BAAQMD 9-10-502.1 | P/A | Source test |
| NOX | BAAQMD Condition 1240, part I.14 | Y | | Emissions of NOX < 40.047 tons per year excluding marine emissions | BAAQMD Condition 1240, parts I.18a, I.18h and I.18j | P/SA | Calculations |

# VII. Applicable Limits and Compliance Monitoring Requirements

## Table VII – N
## Applicable Limits and Compliance Monitoring Requirements
## S20, STEAM BOILER

| Type of Limit | Citation of Limit | FE Y/N | Future Effective Date | Limit | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type |
|---|---|---|---|---|---|---|---|
| O2 | | Y | | No limit | BAAQMD 9-10-502, BAAQMD Condition 1240, part I.10 and BAAQMD Condition 20617, part 2 (condition effective 12/1/04) | C | Oxygen analyzer |
| CO | BAAQMD 9-10-305 | N | | 400 ppmv (dry, 3% $O_2$) on an operating day average | BAAQMD 9-10-502 | P/A | Source test |
| SO2 | BAAQMD Condition 1240, part I.14 | Y | | Emissions of SO2 < 28.049 tons per year excluding marine emissions | None | N | N/A |
| Opacity | BAAQMD 6-301 | Y | | Ringelmann No. 1 for no more than 3 minutes in any hour (gaseous fuel) | None | N | N/A |
| FP | BAAQMD 6-310.3 | Y | | 0.15 grain/dscf @ 6% oxygen | None | N | N/A |
| VOC | BAAQMD Condition 1240, part I.14 | Y | | Emissions of NMHC < 49.345 tons per year excluding marine emissions | BAAQMD Condition 1240, parts I.18a, I.18f and I.18j | P/SA | Calculations |
| Through-put | BAAQMD Condition 1240, part I.5 | Y | | Maximum heat input to all asphalt plant combustion units < 93.6 MMbtu/hr | BAAQMD Condition 1240, part I.5 | C | Fuel meters |

# VII. Applicable Limits and Compliance Monitoring Requirements

## Table VII – N
## Applicable Limits and Compliance Monitoring Requirements
## S20, STEAM BOILER

| Type of Limit | Citation of Limit | FE Y/N | Future Effective Date | Limit | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type |
|---|---|---|---|---|---|---|---|
| | BAAQMD Condition 19329, part 1 | Y | | Maximum heat input to S20 < 15 MMbtu/hr | 9-10-502.2 | C | Fuel meters |

# VII. Applicable Limits and Compliance Monitoring Requirements

## Table VII – O
## Applicable Limits and Compliance Monitoring Requirements
## S21, STEAM BOILER

| Type of Limit | Citation of Limit | FE Y/N | Future Effective Date | Limit | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type |
|---|---|---|---|---|---|---|---|
| NOX | BAAQMD 9-10-301 | N | | Refinery-wide emissions (excluding CO Boilers): 0.033 lb NOx/ MMBTU, operating day average (compliance with the ACP pursuant to BAAQMD Regulation 2-9-303 and condition #19329 is considered compliance with this limit) | BAAQMD 9-10-502 and BAAQMD Condition 20617, part 13 (condition effective 12/1/04) | P/A | Source test |
| | BAAQMD 9-10-301 | N | | Refinery-wide emissions (excluding CO Boilers): 0.033 lb NOx/MMBTU, operating day average (compliance with the ACP pursuant to BAAQMD Regulation 2-9-303 and condition #19329 is considered compliance with this limit) | BAAQMD 9-10-502 and BAAQMD Condition 20617, parts 1, 2, and 3 (condition effective 12/1/04) | P/D | Emission calculations using emission factors and fuel meter |
| | BAAQMD 9-10-303 | Y | | Refinery-wide emissions (excluding CO boilers): 0.20 lb NOX/MMbtu, operating day average | BAAQMD 9-10-502.1 | P/A | Source test |
| | SIP 9-10-303 | Y | | Refinery-wide emissions (excluding CO boilers): 0.20 lb NOX/MMbtu, operating day average | BAAQMD 9-10-502.1 | P/A | Source test |
| NOX | BAAQMD Condition 1240, part I.14 | Y | | Emissions of NOX < 40.047 tons per year excluding marine emissions | BAAQMD Condition 1240, parts I.18a, I.18h and I.18j | P/SA | Calculations |

# VII. Applicable Limits and Compliance Monitoring Requirements

## Table VII – O
## Applicable Limits and Compliance Monitoring Requirements
## S21, STEAM BOILER

| Type of Limit | Citation of Limit | FE Y/N | Future Effective Date | Limit | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type |
|---|---|---|---|---|---|---|---|
| O2 | | Y | | No limit | BAAQMD 9-10-502, BAAQMD Condition 1240, part I.10 and BAAQMD Condition 20617, part 2 (condition effective 12/1/04) | C | Oxygen analyzer |
| CO | BAAQMD 9-10-305 | N | | 400 ppmv (dry, 3% $O_2$), operating day average | BAAQMD 9-10-502 | P/A | Source test |
| SO2 | BAAQMD Condition 1240, part I.14 | Y | | Emissions of SO2 < 28.049 tons per year excluding marine emissions | None | N | N/A |
| Opacity | BAAQMD 6-301 | Y | | Ringelmann No. 1 for no more than 3 minutes in any hour | None | N | N/A |
| FP | BAAQMD 6-310.3 | Y | | 0.15 grain/dscf @ 6% oxygen | None | N | N/A |
| VOC | BAAQMD Condition 1240, part I.14 | Y | | Emissions of NMHC < 49.345 tons per year excluding marine emissions | BAAQMD Condition 1240, parts I.18a, I.18f and I.18j | P/SA | Calculations |
| Through-put | BAAQMD Condition 1240, part I.5 | Y | | Maximum heat input to all asphalt plant combustion units < 93.6 MMbtu/hr | BAAQMD Condition 1240, part I.5 | C | Fuel meters |

# VII. Applicable Limits and Compliance Monitoring Requirements

## Table VII – O
## Applicable Limits and Compliance Monitoring Requirements
## S21, STEAM BOILER

| Type of Limit | Citation of Limit | FE Y/N | Future Effective Date | Limit | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type |
|---|---|---|---|---|---|---|---|
| | BAAQMD Condition 19329, part 1 | Y | | Maximum heat input to S21 < 15 MMbtu/hr | 9-10-502.2 | C | Fuel meters |

# VII. Applicable Limits and Compliance Monitoring Requirements

## Table– VII – P
## Applicable Limits and Compliance Monitoring Requirements
## S24, HOT OIL HEATER

| Type of Limit | Citation of Limit | FE Y/N | Future Effective Date | Limit | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type |
|---|---|---|---|---|---|---|---|
| NOX | BAAQMD Condition 1240, part I.14 | Y | | Emissions of NOX < 40.047 tons per year excluding marine emissions | BAAQMD Condition 1240, parts I.18a, I.18i and I.18j | P/SA | Calculations |
| SO2 | BAAQMD Condition 1240, part I.14 | Y | | Emissions of SO2 < 28.049 tons per year excluding marine emissions | None | N | N/A |
| Opacity | BAAQMD 6-301 | Y | | Ringelmann No. 1 for no more than 3 minutes in any hour (gaseous fuel) | BAAQMD Condition #1240, II.58b | C | Temperature monitoring |
| | 40 CFR 60.472(c) | Y | | 0 percent opacity except for one consecutive 15-min period in any 24-hr period for cleaning | 40 CFR 60.473(c) and BAAQMD Condition #1240, II.58b | C | Temperature monitoring |
| FP | BAAQMD 6-310.3 | Y | | 0.15 grain/dscf @ 6% oxygen | BAAQMD Condition #1240, II.58b | C | Temperature monitoring |
| VOC | BAAQMD 8-5-306 | Y | | 95% control of organic vapors | BAAQMD Condition 1240, part II.58b | C | Temperature monitoring |
| | BAAQMD 8-8-301.3 | Y | | 95% combined collection and destruction efficiency | BAAQMD Condition 1240, part II.58b | C | Temperature monitoring |
| | BAAQMD 8-8-307.2 | Y | | > 70% combined collection and destruction efficiency by weight | BAAQMD Condition 1240, part II.58b | C | Temperature monitoring |

# VII. Applicable Limits and Compliance Monitoring Requirements

## Table– VII – P
## Applicable Limits and Compliance Monitoring Requirements
## S24, HOT OIL HEATER

| Type of Limit | Citation of Limit | FE Y/N | Future Effective Date | Limit | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type |
|---|---|---|---|---|---|---|---|
| | 40 CFR 60.112b(a)(3)(ii) | Y | | 95% control of inlet VOC | BAAQMD Condition 1240, part II.58b | C | Temperature monitoring |
| | 40 CFR 61.349(a)(1)(i) | Y | | Operation with Fugitive emissions < 500 ppmv | 40 CFR 61.349(f) | P/Q | Visual inspection |
| VOC | 40 CFR 61.349(a)(2)(i)(A) | Y | | 95% control | 40 CFR 61.354(c)(4) | C | Temper-ature measure-ment |
| VOC | BAAQMD Condition 1240, part I.14 | Y | | Emissions of NMHC < 49.345 tons per year excluding marine emissions | BAAQMD Condition 1240, parts I.18a, I.18g and I.18j | P/SA | Calculations |
| | BAAQMD Condition 1240, parts II.32a, b, c | Y | | 98.5% control efficiency | BAAQMD Condition 1240, part II.58b | C | Temperature monitoring |
| VOC | BAAQMD Condition 1240, part II.32d | Y | | no detectable fugitive organic emissions in excess of 100 ppmv, measured as total organic compounds | BAAQMD 8-18-401.2 or 8-18-404 | P/Q (footnote A) | Method 21 Inspection |
| | BAAQMD Condition 1240, part II.43 | Y | | 98.5% control efficiency | BAAQMD Condition 1240, part II.58b | C | Temperature monitoring |
| | BAAQMD Condition 1240, part II.44 | Y | | Fugitive emissions at vapor recovery system (S24 or A31) shall not exceed 100 ppmv | BAAQMD Condition 1240, part II.44 | P/Q or A | Method 21 |

# VII. Applicable Limits and Compliance Monitoring Requirements

## Table– VII – P
## Applicable Limits and Compliance Monitoring Requirements
## S24, HOT OIL HEATER

| Type of Limit | Citation of Limit | FE Y/N | Future Effective Date | Limit | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type |
|---|---|---|---|---|---|---|---|
| | BAAQMD Condition #1240, part II.53 | Y | | Fugitive emissions shall not exceed 100 ppm | BAAQMD Condition 1240, part II.53 | P/Q or A | Method 21 |
| | BAAQMD Condition #1240, part II.55 | Y | | 98.5% destruction of vapors | BAAQMD Condition 1240, part II.58b | C | Temperature monitoring |
| | BAAQMD Condition #1240, part II.56 | Y | | 98.5% destruction of vapors | BAAQMD Condition 1240, part II.58b | C | Temperature monitoring |
| | BAAQMD Condition #1240, part II.57 | Y | | 98.5% destruction of vapors | BAAQMD Condition 1240, part II.58b | C | Temperature monitoring |
| | BAAQMD Condition #1240, part II.70 | Y | | 98.5% destruction of vapors by weight | BAAQMD Condition 1240, part II.58b | C | Temperature monitoring |
| VOC | BAAQMD Condition 1240, part II.85 | Y | | 98.5% destruction of vapors | BAAQMD Condition 1240, part II.58b | C | Temperature monitoring |
| | BAAQMD Condition 1240, part II.86 | Y | | no detectable fugitive organic emissions in excess of 100 ppmv, measured as total organic compounds | BAAQMD 8-18-401.2 or 8-18-404 | P/Q | Method 21 Inspection |
| Through-put | BAAQMD Condition 1240, part I.5 | Y | | Maximum heat input to all asphalt plant combustion units < 93.6 MMbtu/hr | BAAQMD Condition 1240, part I.5 | P/D | PG&E fuel meter |

# VII. Applicable Limits and Compliance Monitoring Requirements

## Table– VII – P
## Applicable Limits and Compliance Monitoring Requirements
## S24, HOT OIL HEATER

| Type of Limit | Citation of Limit | FE Y/N | Future Effective Date | Limit | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type |
|---|---|---|---|---|---|---|---|
| Temper-ature limit | 40 CFR 60.113b(c)(1)(ii) & (c)(2) | Y | | 850° F. in stack | 40 CFR 60.112b(c)(c)(2) | C | Temperature monitoring |
| | 40 CFR 60.473(c) | Y | | 850° F. in stack | 40 CFR 60.473(c) | C | Temperature monitoring |
| | 40 CFR 61.356(f)(2)(i)(A) | Y | | 850° F. in stack | 40 CFR 61.354(c)(1) | C | Temperature monitoring |

## Table VII – Q
## Applicable Limits and Compliance Monitoring Requirements
## S25, S28, EFFLUENT WATER FEED TANKS

| Type of Limit | Citation of Limit | FE Y/N | Future Effective Date | Limit | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type |
|---|---|---|---|---|---|---|---|
| VOC | 40 CFR 61.343(a)(1)(B) | Y | | Tank openings maintained in closed and sealed position | 40 CFR 61.353(c) | P/Q | Visual inspection |
| | 40 CFR 61.349(a)(1)(i) | Y | | Operation with Fugitive emissions < 500 ppmv | 40 CFR 61.349(f) | P/Q | Visual inspection |
| | 40 CFR 61.349(a)(1)(ii)(B) | Y | | Car-sealed valves on bypass lines | 40 CFR 61.354(f)(1) | P/M | Visual inspection |
| VOC | 40 CFR 61.349(a)(2)(i)(A) | Y | | 95% control | 40 CFR 61.354(c)(1), 61.354(c)(4) | C | Temper-ature measure-ment |

# VII. Applicable Limits and Compliance Monitoring Requirements

## Table VII – Q
## Applicable Limits and Compliance Monitoring Requirements
## S25, S28, EFFLUENT WATER FEED TANKS

| Type of Limit | Citation of Limit | FE Y/N | Future Effective Date | Limit | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type |
|---|---|---|---|---|---|---|---|
| VOC | BAAQMD Condition 1240, part I.14 | Y | | Emissions of NMHC < 49.345 tons per year excluding marine emissions | BAAQMD Condition 1240, parts I.18a, I.18e and I.18j | P/SA | Calculations |

## Table VII – R
## Applicable Limits and Compliance Monitoring Requirements
## S26, SKIMMED 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 | 40 CFR 61.343(a)(1)(B) | Y | | Tank openings maintained in closed and sealed position | 40 CFR 61.353(c) | P/Q | Visual inspection |
| VOC | 40 CFR 61.349(a)(1)(i) | Y | | Operation with Fugitive emissions < 500 ppmv | 40 CFR 61.349(f) | P/Q | Visual inspection |
| VOC | 40 CFR 61.349(a)(1)(ii)(B) | Y | | Car-sealed valves on bypass lines | 40 CFR 61.354(f)(1) | P/M | Visual inspection |
| VOC | 40 CFR 61.349(a)(2)(ii) | Y | | 95% control of VOC | 40 CFR 61.354(d) | P/D | Measure-ment of VOC content of outlet |
| VOC | BAAQMD Condition 1240, part I.14 | Y | | Emissions of NMHC < 49.345 tons per year excluding marine emissions | BAAQMD Condition 1240, parts I.18a, I.18e and I.18j | P/SA | Calculations |

# VII. Applicable Limits and Compliance Monitoring Requirements

## Table VII – S
## Applicable Limits and Compliance Monitoring Requirements
## S27, RECOVERED 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 | BAAQMD 8-5-303.1 | Y | | PV valve set pressure within 10% of working pressure or at least 0.5 psig | BAAQMD 8-5-403 | P/SA | Inspection |
| | BAAQMD 8-5-303.2 | Y | | gas tight (< 500 ppm) except when operating pressure exceeds the valve set pressure | BAAQMD 8-5-403 | P/SA | Inspection |
| VOC | BAAQMD 8-5-306 | Y | | 95% control of organic vapors | 40 CFR 61.354(d) | P/D | Measure-ment of VOC content of outlet |
| VOC | | Y | | None | BAAQMD 8-5-501.1 | P/E | Records of liquids stored and TVPs |
| VOC | 40 CFR 61.343(a)(1)(B) | Y | | Tank openings maintained in closed and sealed position | 40 CFR 61.353(c) | P/Q | Visual inspection |
| VOC | 40 CFR 61.349(a)(1)(i) | Y | | Operation with Fugitive emissions < 500 ppmv | 40 CFR 61.349(f) | P/Q | Visual inspection |
| | 40 CFR 61.349(a)(1)(ii)(B) | Y | | Car-sealed valves on bypass lines | 40 CFR 61.354(f)(1) | P/M | Visual inspection |
| VOC | 40 CFR 61.349(a)(2)(ii) | Y | | 95% control of VOC | 40 CFR 61.354(d) | P/D | Measure-ment of VOC content of outlet |

# VII. Applicable Limits and Compliance Monitoring Requirements

## Table VII – S
## Applicable Limits and Compliance Monitoring Requirements
## S27, RECOVERED 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 | BAAQMD Condition 1240, part I.14 | Y | | Emissions of NMHC < 49.345 tons per year excluding marine emissions | BAAQMD Condition 1240, parts I.18a, I.18e and I.18j | P/SA | Calculations |

## Table VII – T
## Applicable Limits and Compliance Monitoring Requirements
## S29, NAPHTHA MEROX TREATER

| 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 8-10-301 | Y | | abatement of emissions from process vessel depressurization is required until pressure is reduced to less than 1000 mm Hg | BAAQMD 8-10-401 | P/E | Records of hydrocarbon concen-tration and emissions |
| VOC | BAAQMD Condition 1240, part I.14 | Y | | Emissions of NMHC < 49.345 tons per year excluding marine emissions | BAAQMD Condition 1240, parts I.18a, I.18b and I.18j | P/SA | Calculations |

# VII. Applicable Limits and Compliance Monitoring Requirements

## Table VII – U
## Applicable Limits and Compliance Monitoring Requirements
## S30, MARINE LOADING DOCK

| Type of Limit | Citation of Limit | FE Y/N | Future Effective Date | Limit | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type |
|---|---|---|---|---|---|---|---|
| VOC | | Y | | None | 40 CFR 63.567(j)(4) | P/E | Records |
| SO2 | BAAQMD Condition 1240, part III.2 | Y | | 2.9% S in fuel oil burned by vessels | BAAQMD Condition 1240, part III.9 | P/M | Records |
| Shipping limits | BAAQMD Condition 1240, part III.1 | Y | | 12 ships per year | BAAQMD Condition 1240, part III.9 | P/M | Records |
| | BAAQMD Condition 1240, part III.1 | Y | | Vessels less than 49 MDWEIGHT | BAAQMD Condition 1240, part III.9 | P/M | Records |
| | BAAQMD Condition 1240, part III.6 | Y | | 6 barge loadings in any month:<br>1 barge loading in any day; barge capacity < 100,000 barrels | BAAQMD Condition 1240, part III.9 | P/M | Records |

# VII. Applicable Limits and Compliance Monitoring Requirements

## Table VII – V
## Applicable Limits and Compliance Monitoring Requirements
## S31, RAIL CAR GAS OIL AND ASPHALT LOADING RACK

| 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 8-6-301 | Y | | 0.17 pounds per 1,000 gallons loaded | BAAQMD Condition 1240, part II.58b | C | Temperature monitoring |
| | BAAQMD 8-6-306 | Y | | Equipment shall be vapor-tight: i.e., leaks shall not exceed 100% of the LEL at 1 cm | BAAQMD Condition 1240, part II.72a | P/Q | Method 21 |
| | BAAQMD 8-6-306 | Y | | Equipment shall be leak-free: i.e., leak rate shall not exceed 3 drops/min, excluding losses which occur upon disconnecting transfer fittings | BAAQMD Condition 1240, part II.72b | P/Q | Inspection |
| | BAAQMD 8-6-306 | Y | | Leaks during transfer shall not exceed 10 milliliters (ml) during a bottom loading operation or no more than two milliliters (ml) during a top loading operation, averaged over three disconnects. | BAAQMD Condition 1240, part II.72b | P/Q | Inspection |
| | BAAQMD 8-15-305 | Y | | None | BAAQMD 8-15-501 | P/E | Records |
| | BAAQMD Condition 1240, part I.14 | Y | | Emissions of NMHC < 49.345 tons per year excluding marine emissions | BAAQMD Condition 1240, parts I.18a, I.18d and I.18j | P/SA | Calculations |

# VII. Applicable Limits and Compliance Monitoring Requirements

## Table VII – V
## Applicable Limits and Compliance Monitoring Requirements
## S31, RAIL CAR GAS OIL AND ASPHALT LOADING RACK

| Type of Limit | Citation of Limit | FE Y/N | Future Effective Date | Limit | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type |
|---|---|---|---|---|---|---|---|
| | BAAQMD Condition 1240, part II.69 | Y | | 98.5% control efficiency | BAAQMD Condition 1240, part II.58b | C | Temperature monitoring |
| | BAAQMD Condition #1240, part II.69 | Y | | 98.5% destruction of vapors by weight | BAAQMD Condition 1240, part II.58b | C | Temperature monitoring |
| | BAAQMD Condition #1240, part II.72 | Y | | Vapor pressure < 1.5 psia | BAAQMD Condition #1240, part II.75 | P/M | records |
| | BAAQMD Condition #1240, part II.73 | Y | | Vapor pressure of asphalt or asphalt containing materials < 0.5 psia | BAAQMD Condition #1240, part II.75 | P/M | Records |
| Opacity | BAAQMD 6-301 | Y | | Ringelmann No. 1 for no more than 3 minutes in any hour | BAAQMD Condition #1240, II.58b | C | Temperature monitoring |
| FP | BAAQMD 6-310 | Y | | 0.15 gr/dscf | BAAQMD Condition #1240, II.58b | C | Temperature monitoring |
| Through-put limit | BAAQMD Condition #1240, part II.74 | Y | | 283,011,000 gallons/any consecutive 12 months for S17, S31, and S54 combined | BAAQMD Condition #1240, part II.75 | P/M | Records |

# VII. Applicable Limits and Compliance Monitoring Requirements

## Table VII – W
## Applicable Limits and Compliance Monitoring Requirements
## S34, TANK HEATER

| Type of Limit | Citation of Limit | FE Y/N | Future Effective Date | Limit | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type |
|---|---|---|---|---|---|---|---|
| NOX | BAAQMD Condition 1240, part I.14 | Y | | Emissions of NOX < 40.047 tons per year excluding marine emissions | BAAQMD Condition 1240, parts I.18a, I.18i and I.18j | P/SA | Calculations |
| VOC | BAAQMD Condition 1240, part I.14 | Y | | Emissions of NMHC < 49.345 tons per year excluding marine emissions | BAAQMD Condition 1240, parts I.18a, I.18g and I.18j | P/SA | Calculations |
| SO2 | BAAQMD Condition 1240, part I.14 | Y | | Emissions of SO2 < 28.049 tons per year excluding marine emissions | None | N | N/A |
| Opacity | BAAQMD 6-301 | Y | | Ringelmann No. 1 for no more than 3 minutes in any hour (gaseous fuel) | None | N | N/A |
| FP | BAAQMD 6-310.3 | Y | | 0.15 grain/dscf @ 6% oxygen | None | N | N/A |
| Through-put | BAAQMD Condition 1240, part I.5 | Y | | Maximum heat input to all asphalt plant combustion units < 93.6 MMbtu/hr | BAAQMD Condition 1240, part I.5 | P/D | PG&E fuel meter |

# VII. Applicable Limits and Compliance Monitoring Requirements

## Table VII - X
## Applicable Limits and Compliance Monitoring Requirements
## S39, LUBE 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 | BAAQMD Condition 1240, part I.14 | Y | | Emissions of NMHC < 49.345 tons per year excluding marine emissions | None | N | N/A |

## Table VII - Y
## Applicable Limits and Compliance Monitoring Requirements
## S40, LATEX STORAGE 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 | BAAQMD Condition 1240, part I.14 | Y | | Emissions of NMHC < 49.345 tons per year excluding marine emissions | None | N | N/A |

# VII. Applicable Limits and Compliance Monitoring Requirements

## Table VII – Z
## Applicable Limits and Compliance Monitoring Requirements
## S41, WEMCO HYDROTREATER

| Type of Limit | Citation of Limit | FE Y/N | Future Effective Date | Limit | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type |
|---|---|---|---|---|---|---|---|
| VOC | | Y | | None | BAAQMD 8-8-501 | P/E | Records and sample analysis |
| VOC | BAAQMD 8-8-307.2 | Y | | > 70% combined collection and destruction efficiency by weight | BAAQMD Condition 1240, part II.58b | C | Temperature monitoring |
| | 40 CFR 61.347 (a)(1)(i)(A) | Y | | O/W Separator fittings leak ≤ 500 ppm | 40 CFR 61.347(b) | P/Q | Visual inspection |
| | 40 CFR 61.349(a) (1)(ii)(B) | Y | | Car-sealed valves on bypass lines | 40 CFR 61.354(f)(1) | P/M | Visual inspection |
| | 40 CFR 61.349(a) (2)(i)(A) | Y | | 95% control | 40 CFR 61.354(c)(1) | C | Temper-ature measure-ment |
| | 40 CFR 61.349(a) (1)(i) | Y | | Operation with Fugitive emissions < 500 ppmv | 40 CFR 61.349(f) | P/Q | Visual inspection |
| VOC | BAAQMD Condition 1240, part I.14 | Y | | Emissions of NMHC < 49.345 tons per year excluding marine emissions | BAAQMD Condition 1240, parts I.18a, I.18e and I.18j | P/SA | Calculations |
| Through-put | BAAQMD Condition 1240, part II.92 | Y | | 77,263,000 gallons per year | BAAQMD Condition 1240, part II.92a | P/M | Records |

# VII. Applicable Limits and Compliance Monitoring Requirements

## Table VII – AA
## Applicable Limits and Compliance Monitoring Requirements
## S51, S52, S53, S60, SALES TANKS-ASPHALT

| Type of Limit | Citation of Limit | FE Y/N | Future Effective Date | Limit | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type |
|---|---|---|---|---|---|---|---|
| Opacity | BAAQMD 6-301 | Y | | Ringelmann No. 1 for no more than 3 minutes in any hour | BAAQMD Condition #1240, II.58b | C | Temperature monitoring |
| | 40 CFR 60.472(c) | Y | | 0 percent opacity except for one consecutive 15-min period in any 24-hr period for clearing | 40 CFR 60.473(c) and BAAQMD Condition #1240, II.58b | C | Temperature monitoring |
| FP | BAAQMD 6-310 | Y | | 0.15 gr/dscf | BAAQMD Condition #1240, II.58b | C | Temperature monitoring |
| VOC | BAAQMD 8-15-305 | | | None | BAAQMD 8-15-501 | P/E | Records |
| | BAAQMD Condition 1240, part I.14 | Y | | Emissions of NMHC < 49.345 tons per year excluding marine emissions | BAAQMD Condition 1240, parts I.18a, I.18c and I.18j | P/SA | calculations |
| | BAAQMD Condition #1240, part II.50 | Y | | Vapor pressure may not exceed 0.50 psia | BAAQMD Condition #1240, II.58 | P/M | Records |
| | BAAQMD Condition #1240, part II.56 | Y | | 98.5% destruction of vapors | BAAQMD Condition 1240, part II.58b | C | Temperature monitoring |
| Through-put limit | BAAQMD Condition #1240, part II.48 | Y | | 6,738,349 barrels/yr total for S5, S6, S7, S8, S37, S38, S51, S52, S53, S60, S61, S62, and S65 | BAAQMD Condition #1240, II.58 | P/M | Records |

# VII. Applicable Limits and Compliance Monitoring Requirements

## Table VII – AB
## Applicable Limits and Compliance Monitoring Requirements
## S54, ASPHALT LOADING RACK

| 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 8-15-305 | | | None | BAAQMD 8-15-501 | P/E | Records |
| | BAAQMD Condition 1240, part I.14 | Y | | Emissions of NMHC < 49.345 tons per year excluding marine emissions | BAAQMD Condition 1240, parts I.18a, I.18d and I.18j | P/SA | calculations |
| | BAAQMD Condition #1240, part II.70 | Y | | 98.5% destruction of vapors by weight | BAAQMD Condition 1240, part II.58b | C | Temperature monitoring |
| | BAAQMD Condition #1240, part II.71 | Y | | Vapor pressure < 0.5 psia | BAAQMD Condition #1240, part II.75 | P/M | records |
| Opacity | BAAQMD 6-301 | Y | | Ringelmann No. 1 for no more than 3 minutes in any hour | BAAQMD Condition #1240, II.58b | C | Temperature monitoring |
| FP | BAAQMD 6-310 | Y | | 0.15 gr/dscf | BAAQMD Condition #1240, II.58b | C | Temperature monitoring |
| Through-put limit | BAAQMD Condition #1240, part II.74 | Y | | 283,011,000 gallons/any consecutive 12 months for S17, S31, and S54 combined | BAAQMD Condition #1240, part II.75 | P/M | Records |
| Odor | | | | None | BAAQMD Condition #1240, part IV.2 | P/E | Asphalt tank truck dome inspection program |

# VII. Applicable Limits and Compliance Monitoring Requirements

## Table VII – AC
## Applicable Limits and Compliance Monitoring Requirements
## S59, GAS 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 | BAAQMD 8-5-303.1 | Y | | PV valve set pressure within 10% of working pressure or at least 0.5 psig | BAAQMD 8-5-403 | P/SA | Inspection |
| | BAAQMD 8-5-303.2 | Y | | gas tight (< 500 ppm) except when operating pressure exceeds the valve set pressure | BAAQMD 8-5-403 | P/SA | Inspection |
| VOC | BAAQMD 8-5-306 | Y | | 95% control of organic vapors | BAAQMD Condition 1240, part II.58b | C | Temperature monitoring |
| | BAAQMD 8-5-328.1.2 | Y | | Concentration of organic compounds of < 10,000 ppm as methane after degassing | BAAQMD 8-5-503 | P/E | Portable hydrocarbon detector |
| | | Y | | None | BAAQMD 8-5-501.1 | P/E | Records of liquids stored and TVPs |
| VOC | 40 CFR 60.112b(a)(3)(i) | Y | | "No detectable emissions," as determined by 40 CFR 60.485(b), equivalent to < 500 ppm | BAAQMD Condition 1240, part II.32e | P/SA | EPA Method 21 |
| VOC | 40 CFR 60.112b(a)(3)(ii) | Y | | 95% control of inlet VOC | BAAQMD Condition 1240, part II.58b | C | Temperature monitoring |
| VOC | BAAQMD Condition 1240, part I.14 | Y | | Emissions of NMHC < 49.345 tons per year excluding marine emissions | BAAQMD Condition 1240, parts I.18a, I.18c and I.18j | P/SA | Calculations |

# VII. Applicable Limits and Compliance Monitoring Requirements

## Table VII – AC
## Applicable Limits and Compliance Monitoring Requirements
## S59, GAS 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 |
|---|---|---|---|---|---|---|---|
| | BAAQMD Condition 1240, part II.31 | Y | | Vapor pressure shall not exceed 1.5 psia | BAAQMD Condition 1240, part II.31a | P/A | determi-nation pf vapor pressure |
| | BAAQMD Condition 1240, part II.32b | Y | | 98.5% destruction of vapors | BAAQMD Condition 1240, part II.58b | C | Temperature monitoring |
| Through-put | BAAQMD Condition 1240, part II.33a | | | < 68,208,000 gallons in any consecutive 12-month period for S13, S59, and S63 total | BAAQMD Condition 1240, part II.34 | P/M | records |

## Table VII - AD
## Applicable Limits and Compliance Monitoring Requirements
## S61, S62, ASPHALT TANKS

| Type of Limit | Citation of Limit | FE Y/N | Future Effective Date | Limit | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type |
|---|---|---|---|---|---|---|---|
| Opacity | BAAQMD 6-301 | Y | | Ringelmann No. 1 for no more than 3 minutes in any hour | BAAQMD Condition #1240, II.58b | C | Temperature monitoring |
| | 40 CFR 60.472(c) | Y | | 0 percent opacity except for one consecutive 15-min period in any 24-hr period for clearing | 40 CFR 60.473(c) and BAAQMD Condition #1240, II.58b | C | Temperature monitoring |
| FP | BAAQMD 6-310 | Y | | 0.15 gr/dscf | BAAQMD Condition #1240, II.58b | C | Temperature monitoring |

# VII. Applicable Limits and Compliance Monitoring Requirements

## Table VII - AD
## Applicable Limits and Compliance Monitoring Requirements
## S61, S62, ASPHALT TANKS

| Type of Limit | Citation of Limit | FE Y/N | Future Effective Date | Limit | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type |
|---|---|---|---|---|---|---|---|
| VOC | BAAQMD 8-15-305 | Y | | None | BAAQMD 8-15-501 | P/E | Records |
| | BAAQMD Condition 1240, part I.14 | Y | | Emissions of NMHC < 49.345 tons per year excluding marine emissions | BAAQMD Condition 1240, parts I.18a, I.18c and I.18j | P/SA | calculations |
| | BAAQMD Condition #1240, part II.51 | Y | | Vapor pressure may not exceed 0.49 psia | BAAQMD Condition #1240, part II.58 | P/M | Records |
| | BAAQMD Condition #1240, part II.57 | Y | | 98.5% destruction of vapors | BAAQMD Condition 1240, part II.58b | C | Temperature monitoring |
| Through-put limit | BAAQMD Condition #1240, part II.48 | Y | | 6,738,349 barrels/yr total for S5, S6, S7, S8, S37, S38, S51, S52, S53, S60, S61, S62, and S65 | BAAQMD Condition #1240, part II.58 | P/M | Records |

## Table VII – AE
## Applicable Limits and Compliance Monitoring Requirements
## S63, TANK 31

| Type of Limit | Citation of Limit | FE Y/N | Future Effective Date | Limit | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type |
|---|---|---|---|---|---|---|---|
| VOC | BAAQMD 8-5-303.1 | Y | | PV valve set pressure within 10% of working pressure or at least 0.5 psig | BAAQMD 8-5-403 | P/SA | Inspection |

# VII. Applicable Limits and Compliance Monitoring Requirements

## Table VII – AE
## Applicable Limits and Compliance Monitoring Requirements
## S63, TANK 31

| Type of Limit | Citation of Limit | FE Y/N | Future Effective Date | Limit | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type |
|---|---|---|---|---|---|---|---|
| | BAAQMD 8-5-303.2 | Y | | gas tight (< 500 ppm) except when operating pressure exceeds the valve set pressure | BAAQMD 8-5-403 | P/SA | Inspection |
| VOC | BAAQMD 8-5-306 | Y | | 95% control of organic vapors | BAAQMD Condition 1240, part II.58b | C | Temperature monitoring |
| | BAAQMD 8-5-328.1.2 | Y | | Concentration of organic compounds of < 10,000 ppm as methane after degassing | BAAQMD 8-5-503 | P/E | Portable hydrocarbon detector |
| | | Y | | None | BAAQMD 8-5-501.1 | P/E | Records of liquids stored and TVPs |
| VOC | 40 CFR 60.112b(a)(3)(ii) | Y | | 95% control of inlet VOC | BAAQMD Condition 1240, part II.58b | C | Temperature monitoring |
| VOC | 40 CFR 60.112b(a)(3)(i) | Y | | "No detectable emissions," as determined by 40 CFR 60.485(b), equivalent to < 500 ppm | BAAQMD Condition 1240, part II.32e | P/SA | EPA Method 21 |
| | BAAQMD Condition 1240, part I.14 | Y | | Emissions of NMHC < 49.345 tons per year excluding marine emissions | BAAQMD Condition 1240, parts I.18a, I.18c and I.18j | P/SA | calculations |
| | BAAQMD Condition 1240, part II.31 | Y | | Vapor pressure shall not exceed 1.5 psia | BAAQMD Condition 1240, part II.31a | P/A | determi-nation of vapor pressure |

# VII. Applicable Limits and Compliance Monitoring Requirements

## Table VII – AE
## Applicable Limits and Compliance Monitoring Requirements
## S63, TANK 31

| 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 Condition 1240, part II.32c | Y | | 98.5% destruction of vapors | BAAQMD Condition 1240, part II.58b | C | Temperature monitoring |
| VOC | BAAQMD Condition 1240, part II.32d | Y | | no detectable fugitive organic emissions in excess of 100 ppmv, measured as total organic compounds | BAAQMD 8-18-401.2 or 8-18-404 | P/Q (footnote A) | Method 21 Inspection |
| Through-put | BAAQMD Condition 1240, part II.33a | Y | | < 68,208,000 gallons in any consecutive 12-month period for S13, S59, and S63 total | BAAQMD Condition 1240, part II.34 | P/M | records |

## Table VII – AF
## Applicable Limits and Compliance Monitoring Requirements
## S65, ASPHALT STORAGE TANK

| Type of Limit | Citation of Limit | FE Y/N | Future Effective Date | Limit | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type |
|---|---|---|---|---|---|---|---|
| Opacity | BAAQMD 6-301 | Y | | Ringelmann No. 1 for no more than 3 minutes in any hour | BAAQMD Condition #1240, II.58b | C | Temperature monitoring |
| | 40 CFR 60.472(c) | Y | | 0 percent opacity except for one consecutive 15-min period in any 24-hr period for clearing | 40 CFR 60.473(c) and BAAQMD Condition #1240, II.58b | C | Temperature monitoring |
| FP | BAAQMD 6-310 | Y | | 0.15 gr/dscf | BAAQMD Condition #1240, II.58b | C | Temperature monitoring |

# VII. Applicable Limits and Compliance Monitoring Requirements

## Table VII – AF
## Applicable Limits and Compliance Monitoring Requirements
## S65, ASPHALT STORAGE 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 | BAAQMD 8-15-305 | | | None | BAAQMD 8-15-501 | P/E | Records |
| | BAAQMD Condition 1240, part I.14 | Y | | Emissions of NMHC < 49.345 tons per year excluding marine emissions | BAAQMD Condition 1240, parts I.18a, I.18c and I.18j | P/SA | calculations |
| | BAAQMD Condition #1240, part II.52 | Y | | Vapor pressure may not exceed 0.49 psia | BAAQMD Condition #1240, part II.58 | P/M | Records |
| | BAAQMD Condition #1240, part II.53 | Y | | Fugitive emissions at vapor recovery system shall not exceed 100 ppm | BAAQMD Condition 1240, part II.53 | P/Q or A | Method 21 |
| | BAAQMD Condition #1240, part II.56 | Y | | 98.5% destruction of vapors | BAAQMD Condition 1240, part II.58b | C | Temperature monitoring |
| Through-put limit | BAAQMD Condition #1240, part II.48 | Y | | 6,738,349 barrels/yr total for S5, S6, S7, S8, S37, S38, S51, S52, S53, S60, S61, S62, and S65 | BAAQMD Condition #1240, part II.58 | P/M | Records |

# VII. Applicable Limits and Compliance Monitoring Requirements

## Table VII – AG
## Applicable Limits and Compliance Monitoring Requirements
## S66, OIL WATER SEPARATOR

| Type of Limit | Citation of Limit | FE Y/N | Future Effective Date | Limit | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type |
|---|---|---|---|---|---|---|---|
| VOC | | Y | | None | BAAQMD 8-8-501 | P/E | Records and sample analysis |
| VOC | BAAQMD 8-8-301.3 | Y | | 95% combined collection and destruction efficiency | BAAQMD Condition 1240, part II.58b | C | Temperature monitoring |
| | 40 CFR 61.347 (a)(1)(i)(A) | Y | | O/W Separator fittings leak ≤ 500 ppm | 40 CFR 61.347(b) | P/Q | Visual inspection |
| | 40 CFR 61.349(a) (1)(i) | Y | | Operation with Fugitive emissions < 500 ppmv | 40 CFR 61.349(f) | P/Q | Visual inspection |
| | 40 CFR 61.349(a) (1)(ii)(B) | Y | | Car-sealed valves on bypass lines | 40 CFR 61.354(f)(1) | P/M | Visual inspection |
| | 40 CFR 61.349(a) (2)(i)(A) | Y | | 95% control | 40 CFR 61.354(c)(1) | C | Temperature monitoring |
| VOC | BAAQMD Condition 1240, part I.14 | Y | | Emissions of NMHC < 49.345 tons per year excluding marine emissions | BAAQMD Condition 1240, parts 18a, I.18e and I.18j | P/SA | calculations |
| | BAAQMD Condition 1240, part II.85 | Y | | 98.5% destruction of vapors | BAAQMD Condition 1240, part II.58b | C | Temperature monitoring |
| | BAAQMD Condition 1240, part II.86 | Y | | No detectable fugitive emissions in excess of 100 ppm, measured as total organic compounds | BAAQMD 8-18-401.2 or 8-18-404 | P/Q | Method 21 Inspection |

# VII. Applicable Limits and Compliance Monitoring Requirements

## Table VII – AG
## Applicable Limits and Compliance Monitoring Requirements
## S66, OIL WATER SEPARATOR

| Type of Limit | Citation of Limit | FE Y/N | Future Effective Date | Limit | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type |
|---|---|---|---|---|---|---|---|
| Through-put limit | BAAQMD Condition #1240, part II.83 | Y | | 110,376,000 gallons/yr | BAAQMD Condition #1240, II.87 and II.88 | P/M | Records |

## Table VII – AH
## Applicable Limits and Compliance Monitoring Requirements
## S67-RECOVERED 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 | BAAQMD 8-5-303.1 | Y | | PV valve set pressure within 10% of working pressure or at least 0.5 psig | BAAQMD 8-5-403 | P/SA | Inspection |
| | BAAQMD 8-5-303.2 | Y | | gas tight (< 500 ppm) except when operating pressure exceeds the valve set pressure | BAAQMD 8-5-403 | P/SA | Inspection |
| VOC | BAAQMD 8-5-306 | Y | | 95% control of organic vapors | BAAQMD Condition 1240, part II.58b | C | Temperature monitoring |
| VOC | | Y | | None | BAAQMD 8-5-501.1 | P/E | Records of liquids stored and TVPs |
| VOC | 40 CFR 61.343(a)(1)(B) | Y | | Tank openings maintained in closed and sealed position | 40 CFR 61.353(c) | P/Q | Visual inspection |

# VII. Applicable Limits and Compliance Monitoring Requirements

## Table VII – AH
## Applicable Limits and Compliance Monitoring Requirements
## S67-RECOVERED 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 | 40 CFR 61.349(a)(1)(i) | Y | | Operation with Fugitive emissions < 500 ppmv | 40 CFR 61.349(f) | P/Q | Visual inspection |
| | 40 CFR 61.349(a)(1)(ii)(B) | Y | | Car-sealed valves on bypass lines | 40 CFR 61.354(f)(1) | P/M | Visual inspection |
| VOC | 40 CFR 61.349(a)(2)(i)(A) | Y | | 95% control | 40 CFR 61.354(c)(1) | C | Temper-ature measure-ment |
| VOC | BAAQMD Condition 1240, part I.14 | Y | | Emissions of NMHC < 49.345 tons per year excluding marine emissions | BAAQMD Condition 1240, parts I.18a, I.18e and I.18j | P/SA | Calculations |

## Table VII – AI
## Applicable Limits and Compliance Monitoring Requirements
## S68-EMERGENCY DIESEL-POWERED FIREWATER PUMP

| Type of Limit | Citation of Limit | FE Y/N | Future Effective Date | Limit | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type |
|---|---|---|---|---|---|---|---|
| Opacity | BAAQMD 6-303.1 | Y | | Ringelmann No. 2 for no more than 3 minutes in any hour | None | N | N/A |
| FP | BAAQMD 6-310 | Y | | 0.15 gr/dscf | None | N | N/A |
| Hours of operation | BAAQMD 9-8-330 | N | | up to 100 hours for reliability testing | BAAQMD 9-8-530 | P/M | records |

# VII. Applicable Limits and Compliance Monitoring Requirements

## Table VII – AI
## Applicable Limits and Compliance Monitoring Requirements
## S68-EMERGENCY DIESEL-POWERED FIREWATER PUMP

| Type of Limit | Citation of Limit | FE Y/N | Future Effective Date | Limit | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type |
|---|---|---|---|---|---|---|---|
| | BAAQMD 9-8-330 | N | | unlimited hours in case of emergency | BAAQMD 9-8-530 | P/M | records |
| NOX | BAAQMD Condition 1240, part I.14 | Y | | Emissions of NOX < 40.047 tons per year excluding marine emissions | BAAQMD Condition 1240, parts I.18a, I.18i and I.18j | P/SA | Calculations |
| SO2 | BAAQMD 9-1-304 | Y | | Fuel Sulfur Limit 0.5% by weight | BAAQMD Condition 18796, Part 1 | P/E | fuel certification |
| | BAAQMD Condition 1240, part I.14 | Y | | Emissions of SO2 < 28.049 tons per year excluding marine emissions | None | N | N/A |
| | BAAQMD Condition 18796, Part 1 | Y | | Fuel Sulfur Limit 0.05% by weight | BAAQMD Condition 18796, Part 1 | P/E | fuel certification |
| NHMC | BAAQMD Condition 1240, part I.14 | Y | | Emissions of NMHC < 49.345 tons per year excluding marine emissions | BAAQMD Condition 1240, parts I.18a, I.18g and I.18j | P/SA | Calculations |

# VII. Applicable Limits and Compliance Monitoring Requirements

## Table VII – AJ
## Applicable Limits and Compliance Monitoring Requirements
## S69- ASPHALT ADDITIVE LOADING BIN

| Type of Limit | Citation of Limit | FE Y/N | Future Effective Date | Limit | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type |
|---|---|---|---|---|---|---|---|
| Opacity | BAAQMD 6-301 | Y | | Ringelmann No. 1 for no more than 3 minutes in any hour | BAAQMD Condition 20278, parts 6d and 7 | P/A | visible emissions inspection |
| FP | BAAQMD 6-310 | Y | | 0.15 gr/dscf | None | N | N/A |
| | BAAQMD 6-311 | Y | | $4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr | None | N | N/A |
| Through-put | BAAQMD Condition 20278, part 2 | Y | | 20,000 tons in any 12 months | BAAQMD Condition 20278, part 6 | P/D | records |

## Table VII – AK
## Applicable Limits and Compliance Monitoring Requirements
## S70- ASPHALT ADDITIVE MIXING TANK

| Type of Limit | Citation of Limit | FE Y/N | Future Effective Date | Limit | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type |
|---|---|---|---|---|---|---|---|
| Opacity | BAAQMD 6-301 | Y | | Ringelmann No. 1 for no more than 3 minutes in any hour | BAAQMD Condition #1240, part II.58b | C | Temperature monitoring |
| | 40 CFR 60.472(c) | Y | | 0 percent opacity except for one consecutive 15-min period in any 24-hr period for cleaning | 40 CFR 60.473(c) and BAAQMD Condition #1240, part II.58b | C | Temperature monitoring |

# VII. Applicable Limits and Compliance Monitoring Requirements

## Table VII – AK
## Applicable Limits and Compliance Monitoring Requirements
## S70- ASPHALT ADDITIVE MIXING TANK

| Type of Limit | Citation of Limit | FE Y/N | Future Effective Date | Limit | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type |
|---|---|---|---|---|---|---|---|
| FP | BAAQMD 6-310 | Y | | 0.15 gr/dscf | BAAQMD Condition #1240, part II.58b | C | Temperature monitoring |
| VOC | BAAQMD 8-15-305 | | | None | BAAQMD 8-15-501 | P/E | Records |
| | BAAQMD Condition 1240, part I.14 | Y | | Emissions of NMHC < 49.345 tons per year excluding marine emissions | BAAQMD Condition 1240, parts I.18a, I.18c and I.18j | P/SA | Calculations |
| | BAAQMD Condition #1240, part II.50 | Y | | Vapor pressure may not exceed 0.5 psia | BAAQMD Condition #1240, part II.58 | P/M | Records |
| | BAAQMD Condition #1240, part II.55 | Y | | 98.5% destruction of vapors | BAAQMD Condition 1240, part II.58b | C | Temperature monitoring |
| Through-put | BAAQMD Condition 20278, part 1 | Y | | 400,000 tons in any 12 months | BAAQMD Condition 20278, part 6 | P/D | records |
| | BAAQMD Condition 20278, part 5 | Y | | 18,500 tons in any calendar day | BAAQMD Condition 20278, part 6 | P/D | records |
| Hours of operation | | Y | | | BAAQMD Condition 20278, part 6 | P/D | records |

# VII. Applicable Limits and Compliance Monitoring Requirements

## Table VII – AL
## Applicable Limits and Compliance Monitoring Requirements
## 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 8-18-301 | Y | | General equipment leak < 100 ppm or minimize in 24 hours, repair in 7 days | None | N | N/A |
| VOC | BAAQMD 8-18-302 | Y | | Valve leak < 100 ppm or minimize in 24 hours, repair in 7 days | BAAQMD 8-18-401.2 or 8-18-404 | P/Q (footnote A) | Method 21 Inspection |
| VOC | BAAQMD 8-18-302 | Y | | Inaccessible valve leak < 100 ppm or minimize in 24 hours, repair in 7 days | BAAQMD 8-18-401.3 | P/A | Method 21 Inspection |
| VOC | BAAQMD 8-18-303 | Y | | Pump and compressor leak < 500 ppm or minimize in 24 hours, repair in 7 days | BAAQMD 8-18-401.2 | P/Q | Method 21 Inspection |
| VOC | BAAQMD 8-18-304.2 | Y | | Connection leak < 100 ppm or minimize in 24 hours, repair in 7 days | BAAQMD 8-18-401.6 | P/every 5 years (see footnote B) | Method 21 Inspection |
| VOC | BAAQMD 8-18-304.2 | Y | | Connection leak < 100 ppm or minimize in 24 hours, repair in 7 days (for connectors opened during turnaround) | BAAQMD 8-18-401.1 | P/E (within 90 days of turnaround) | Method 21 Inspection |
| VOC | BAAQMD 8-18-305 | Y | | Pressure relief valve leak < 500 ppm or minimize in 24 hours, repair in 15 days | BAAQMD 8-18-401.2 and 8-18-401.7 | P/Q | Method 21 Inspection |
| VOC | BAAQMD 8-18-305 | Y | | Inaccessible pressure relief valve leak < 500 ppm or minimize in 24 hours, repair in 15 days | BAAQMD 8-18-401.3 | P/A | Method 21 Inspection |
| VOC | BAAQMD 8-18-305 | Y | | Pressure relief valve leak ≤ 500 ppm or minimize in 24 hours, repair in 15 days | BAAQMD 8-18-401.8 | P/E (5 working days after release) | Method 21 Inspection |

# VII. Applicable Limits and Compliance Monitoring Requirements

## Table VII – AL
## Applicable Limits and Compliance Monitoring Requirements
## 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 8-18-305 | Y | | Pressure Relief Device with reportable releases ≤ 500 ppm | BAAQMD 8-28-402 & 8-18-401.8 | P/E (5 working days after release) | Method 21 Inspection w/Report |
| VOC | BAAQMD 8-18-306.1 | Y | | Valve, pressure relief, pump or compressor must be repaired within 5 years or at the next scheduled turnaround | BAAQMD 8-18-502.4 | P/Q | Records |
| VOC | BAAQMD 8-18-306.2 | Y | | Awaiting repair Valves < 0.5% Pressure Relief < 1% Pump and Connector < 1% | BAAQMD 8-18-502.4 | P/Q | Records |
| VOC | BAAQMD 8-18-307 | Y | | Pumps and Compressors Evidence of Leak | BAAQMD 8-18-403 | P/D | Visual Inspection |
| VOC | SIP 8-28-301 | Y | | 10,000 ppm (pressure relief devices) | SIP 8-28-402 | P/Q | Method 21 Inspection |
| VOC | BAAQMD 8-28-303.2 | N | | Pressure Relief Devices to meet Prevention Measures Procedures | BAAQMD 8-28-405 | P/turn-around | Prevention Measures Procedures |
| VOC | BAAQMD 8-28-304 | N | | PHA within 90 days and meet Prevention Measures Procedures. After 2nd release Vent Pressure Relief Devices to an Abatement Device with at least 95% by weight control efficiency. (pressure relief devices) | BAAQMD 8-28-405 | P/release per 5 calendar year | PHA and Prevention Measures Procedures |

# VII. Applicable Limits and Compliance Monitoring Requirements

## Table VII – AL
## Applicable Limits and Compliance Monitoring Requirements
## 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 8-28-304.1 | N | | Pressure Relief Device with reportable releases in 5-year period. | BAAQMD 8-28-304.1 & 8-28-405 | P/E (90 day after release)<br><br>P/E (120 day after release) | PHA & PMP Report<br><br>Install tamper-proof indicators |
| VOC | BAAQMD 8-28-304.2 | N | | After 2nd release in 5 years; Vent Pressure Relief Devices to an Abatement Device with 95% destruction efficiency | None | N | N/A |
| 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 (b)(2) | Y | | Pump leak Indicated by dripping liquid | 40 CFR 60.482-2 (a)(2) | P/W | Visual Inspection |
| VOC | 40 CFR 60.482-2(e) | Y | | Pump designated for "No detectable emissions" pursuant to 40 CFR 60.486(e), < 500 ppm | 40 CFR 60.482-2(e)(3) | P/A | Method 21 Inspection |
| | 40 CFR 60.482-3(d) | Y | | Compressor shall have a sensor to detect failure of seal system, barrier fluid system, or both | 40 CFR 60.482-3 (e)(1) | C or P/D | Sensor with audible alarm or checked daily |
| | 40 CFR 60.482-3(i) | Y | | Compressor designated for "No detectable emissions" pursuant to 40 CFR 60.486(e), < 500 ppm | 40 CFR 60.482-3(i)(2) | P/A | Method 21 Inspection |

# VII. Applicable Limits and Compliance Monitoring Requirements

## Table VII – AL
## Applicable Limits and Compliance Monitoring Requirements
## 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 60.482-4(a) | Y | | Pressure relief valve (gas/vapor) not vented to abatement < 500 ppm | None | N | N/A |
| | 40 CFR 60.482-4(b)(1) | Y | | Pressure relief valve (gas/vapor) not vented to abatement < 500 ppm after a pressure release event | 40 CFR 60.482-4(b)(2) | P/E (5 days) | Method 21 Inspection |
| | 40 CFR 60.482-7(b) | Y | | Valve leak < 10,000 ppm | 40 CFR 60.482-7(a) | P/M | Method 21 Inspection |
| VOC | 40 CFR 60.482-7(b) | Y | | Valve leak < 10,000 ppm; 2 successive months | 40 CFR 60.482-7(c)(i) | P/Q | Method 21 Inspection |
| | 40 CFR 60.482-7(f) | Y | | Valve designated "No detectable emissions" leak < 500 ppm | 40 CFR 60.482-7 (f)(3) | P/A | Method 21 Inspection |
| VOC | 40 CFR 60.482-8(a) | Y | | Pumps and valves in heavy liquid service, Pressure Relief devices (light or heavy liquid), Flanges, Connectors leak shall be measured for leak in 5 days if detected by inspection | 40 CFR 60.482-8(a) | P/E | Visible, Audible, or olfactory Inspection |
| VOC | 40 CFR 60.482-8 (b) | Y | | Pumps and Valves (heavy liquid), Pressure Relief Devices (liquid), Flanges, Connectors leak < 10,000 ppm | 40 CFR 60.482-8(a) | P/(5 days after leak noted by visual, audible, or olfactory inspection) | Visual, audible, olfactory Inspection; Measure for leaks |
| VOC | 40 CFR 60.482-9 (d) | Y | | Pumps under "Delay of repair" repaired within 6 months | None | N | N/A |

# VII. Applicable Limits and Compliance Monitoring Requirements

## Table VII – AL
## Applicable Limits and Compliance Monitoring Requirements
## 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 | | Closed-vent systems leak ≤ 500 ppm or visible leak indication, or 1st repair attempt 5 day, repaired 15 days, or turnaround list | 40 CFR 60.482-10 (f) | P/A | Method 21 inspection; Visual Inspection |
| VOC | | Y | | Individual valve that measures <10,000 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(b)(3) (See footnote c) | P/A (if criteria are met) | Method 21 inspection |
| VOC | | Y | | Individual valve that measures <10,000 ppm for 2 consecutive quarters may be monitored semiannually, if in a process unit with 2 consecutive quarters <2% valves leaking ≥10,000 ppm. | 40 CFR 60.483-2(b)(2) (footnote c) | SA (if criteria are met) | Method 21 Inspection |
| VOC | 61.343 (a)(1)(i)(A) | Y | | Tanks fittings leak ≤ 500 ppm | 61.343 (a)(1)(i)(A) | P/A | Method 21 Inspection |
| VOC | 61.345 (a)(1)(i) | Y | | Container fittings leak ≤ to 500 ppm | 61.345 (a)(1)(i) | P/A | Method 21 Inspection |
| VOC | 61.347 (a)(1)(i)(A) | Y | | O/W Separator fittings leak ≤ 500 ppm | 61.347 (a)(1)(i)(A) | P/A | Method 21 Inspection |
| | 61.347 (a)(1)(i)(A) | Y | | O/W Separator fittings leak ≤ 500 ppm | 40 CFR 61.347(b) | P/Q | Visual inspection |
| VOC | 61.349 (a)(1)(i) | Y | | Closed-vent systems <500 ppm above background | 61.349 (a)(1)(i) | P/A | Method 21 Inspection |

# VII. Applicable Limits and Compliance Monitoring Requirements

## Table VII – AL
## Applicable Limits and Compliance Monitoring Requirements
## 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 61.349(a)(1)(i) | Y | | Operation with Fugitive emissions < 500 ppmv | 40 CFR 61.349(f) | P/Q | Visual inspection |
| NMHC | BAAQMD Condition 1240, part I.14 | Y | | Emissions of NMHC < 49.345 tons per year excluding marine emissions | BAAQMD Condition 1240, parts I.18a, I.18b and I.18j | P/M | Calculations |
| VOC | BAAQMD Condition 1240, part I.32d | Y | | no detectable fugitive organic emissions in excess of 100 ppmv, measured as total organic compounds | BAAQMD 8-18-401.2 or 8-18-404 | P/Q (footnote A) | Method 21 Inspection |
| VOC | BAAQMD Condition 1240, part II.53 | Y | | no detectable fugitive organic emissions in excess of 100 ppmv, measured as total organic compounds | BAAQMD 8-18-401.2 or 8-18-404 | P/Q (footnote A) | Method 21 Inspection |
| | BAAQMD Condition 1240, part II.86 | Y | | no detectable fugitive organic emissions in excess of 100 ppmv, measured as total organic compounds | BAAQMD 8-18-401.2 or 8-18-404 | P/Q (footnote A) | Method 21 Inspection |

**Footnotes to Table above:**

[a] Valves are inspected pursuant to BAAQMD-approved Alternative Inspection Schedule that satisfies the requirements of 8-18-404. Valves that have not been found to be leaking for the five prior quarters are placed on the annual inspection schedule.

[b] Connectors are inspected pursuant to a BAAQMD-approved Connector Inspection Program that satisfies the requirements of 8-18-401.6. Under this program, 20% of all of the refinery's connectors are inspected each year.

[c] The 40 CFR 60.483-2 (Subpart VV) alternative screening schedule for valves is analogous to the Valero Alternative Inspection Schedule (see footnote "a") with two exceptions: 40 CFR 60.483-2 uses a leak definition of 10,000 ppm VOC rather than 100 ppm TOC, and 40 CFR 60.483-2 requires that the percentage of valves leaking facility-wide (at 10,000 ppm) must have been less than 2% for the five-quarter time period. For process units covered by refinery MACT, 63.648(a)(2) allows the percentage leaking to be determined on a refinery-wide basis. This applies to all process units except NSPS process units except Dimersol, which is not subject to MACT. Finally,

# VII. Applicable Limits and Compliance Monitoring Requirements

any valve subject to Subpart VV must *individually* comply with BAAQMD Rule 8-18-404 (5 quarters with no leaks at 100 ppm) in order to be allowed to be screened less frequently than quarterly. As a practical matter, Subpart VV is effectively less stringent than the Valero Alternative Inspection Schedule.

# VII. Applicable Limits and Compliance Monitoring Requirements

## Table VII – AM
## Applicable Limits and Compliance Monitoring Requirements
## A4, THERMAL OXIDIZER

| Type of Limit | Citation of Limit | FE Y/N | Future Effective Date | Limit | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type |
|---|---|---|---|---|---|---|---|
| NOX | BAAQMD Condition 1240, part I.14 | Y | | Emissions of NOX < 40.047 tons per year excluding marine emissions | BAAQMD Condition 1240, parts I.18a, I.18i and I.18j | P/SA | Calculations |
| SO2 | BAAQMD Condition 1240, part I.14 | Y | | Emissions of SO2 < 28.049 tons per year excluding marine emissions | None | N | N/A |
| VOC | BAAQMD 8-6-301 | Y | | 21 g/cubic meter (0.17 lb/1000 gallons) | BAAQMD Condition 1240, part I.19 | C | Temperature monitoring |
| VOC | BAAQMD Condition 1240, part I.14 | Y | | Emissions of NMHC < 49.345 tons per year excluding marine emissions | BAAQMD Condition 1240, parts I.18a, I.18g and I.18j | P/SA | Calculations |
| | BAAQMD Condition 1240, part I.14 | Y | | Emissions of NMHC < 49.345 tons per year excluding marine emissions | BAAQMD Condition 1240, part I.19 | C | Temperature monitoring |
| | BAAQMD Condition #1240, part II.60 | Y | | 98.5% destruction of vapors by weight | BAAQMD Condition 1240, part I.19 | C | Temperature monitoring |
| | BAAQMD Condition #1240, part II.63 | Y | | 98.5% destruction of vapors by weight | BAAQMD Condition 1240, part I.19 | C | Temperature monitoring |

# VII. Applicable Limits and Compliance Monitoring Requirements

## Table VII – AM
## Applicable Limits and Compliance Monitoring Requirements
## A4, THERMAL OXIDIZER

| Type of Limit | Citation of Limit | FE Y/N | Future Effective Date | Limit | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type |
|---|---|---|---|---|---|---|---|
| | BAAQMD Condition #1240, part II.68 | Y | | 98.5% destruction of vapors by weight | BAAQMD Condition 1240, part I.19 | C | Temperature monitoring |
| Opacity | BAAQMD 6-301 | Y | | Ringelmann No. 1 for no more than 3 minutes in any hour | None | N | N/A |
| FP | BAAQMD 6-310 | Y | | 0.15 grain/dscf | BAAQMD Condition 1240, part I.19 | C | Temperature monitoring |
| Through-put | BAAQMD Condition 1240, part I.5 | Y | | Maximum heat input to all asphalt plant combustion units < 93.6 MMbtu/hr | BAAQMD Condition 1240, part I.5 | P/D | PG&E fuel meter |

## Table VII – AN
## Applicable Limits and Compliance Monitoring Requirements
## A31, THERMAL OXIDIZER

| Type of Limit | Citation of Limit | FE Y/N | Future Effective Date | Limit | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type |
|---|---|---|---|---|---|---|---|
| NOX | BAAQMD Condition 1240, part I.14 | Y | | Emissions of NOX < 40.047 tons per year excluding marine emissions | BAAQMD Condition 1240, parts I.18a, I.18i and I.18j | P/SA | Calculations |

# VII. Applicable Limits and Compliance Monitoring Requirements

## Table VII – AN
## Applicable Limits and Compliance Monitoring Requirements
## A31, THERMAL OXIDIZER

| Type of Limit | Citation of Limit | FE Y/N | Future Effective Date | Limit | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type |
|---|---|---|---|---|---|---|---|
| SO2 | BAAQMD Condition 1240, part I.14 | Y | | Emissions of SO2 < 28.049 tons per year excluding marine emissions | None | N | N/A |
| Opacity | BAAQMD 6-301 | Y | | Ringelmann No. 1 for no more than 3 minutes in any hour | BAAQMD Condition #1240, part II.58b | C | Temperature monitoring |
| Opacity | 40 CFR 60.472(c) | Y | | 0 percent opacity except for one consecutive 15-min period in any 24-hr period for cleaning | 40 CFR 60.473(c) and BAAQMD Condition #1240, part II.58b | C | Temperature monitoring |
| FP | BAAQMD 6-310 | Y | | 0.15 gr/dscf | BAAQMD Condition #1240, part II.58b | C | Temperature monitoring |
| VOC | BAAQMD 8-5-306 | Y | | 95% control of organic vapors | BAAQMD Condition 1240, part II.58b | C | Temperature monitoring |
| VOC | BAAQMD 8-6-301 | Y | | 21 g/cubic meter (0.17 lb/1000 gallons) | BAAQMD Condition 1240, part II.58b | C | Temperature monitoring |
| | BAAQMD 8-8-301.3 | Y | | 95% combined collection and destruction efficiency | BAAQMD Condition 1240, part II.58b | C | Temperature monitoring |
| | BAAQMD 8-8-307.2 | Y | | > 70% combined collection and destruction efficiency by weight | BAAQMD Condition 1240, part II.58b | C | Temperature monitoring |

# VII. Applicable Limits and Compliance Monitoring Requirements

## Table VII – AN
## Applicable Limits and Compliance Monitoring Requirements
## A31, THERMAL OXIDIZER

| Type of Limit | Citation of Limit | FE Y/N | Future Effective Date | Limit | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type |
|---|---|---|---|---|---|---|---|
| | 40 CFR 60.112b(a)(3)(ii) | Y | | 95% control of inlet VOC | BAAQMD Condition 1240, part II.58b | C | Temperature monitoring |
| | 40 CFR 61.349(a)(2)(i)(A) | Y | | 95% control | 40 CFR 61.354(c)(1) | C | Temperature monitoring |
| | 40 CFR 61.349(a)(1)(i) | Y | | Operation with Fugitive emissions < 500 ppmv | 40 CFR 61.349(f) | P/Q | Visual inspection |
| VOC | BAAQMD Condition 1240, part I.14 | Y | | Emissions of NMHC < 49.345 tons per year excluding marine emissions | BAAQMD Condition 1240, parts I.18a, I.18g and I.18j | P/SA | Calculations |
| | BAAQMD Condition 1240, part I.14 | Y | | Emissions of NMHC < 49.345 tons per year excluding marine emissions | BAAQMD Condition 1240, part II.58b | C | Temper-ature monitoring |
| | BAAQMD Condition 1240, parts II.32a, b, c | Y | | 98.5% control efficiency | BAAQMD Condition 1240, part II.58b | C | Temper-ature monitoring |
| | BAAQMD Condition 1240, part I.32d | Y | | no detectable fugitive organic emissions in excess of 100 ppmv, measured as total organic compounds | BAAQMD 8-18-401.2 or 8-18-404 | P/Q (footnote A) | Method 21 Inspection |
| | BAAQMD Condition 1240, part II.43 | Y | | 98.5% control efficiency | BAAQMD Condition 1240, part II.58b | C | Temperature monitoring |

# VII. Applicable Limits and Compliance Monitoring Requirements

## Table VII – AN
## Applicable Limits and Compliance Monitoring Requirements
## A31, THERMAL OXIDIZER

| Type of Limit | Citation of Limit | FE Y/N | Future Effective Date | Limit | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type |
|---|---|---|---|---|---|---|---|
| | BAAQMD Condition 1240, part II.44 | Y | | Fugitive emissions at vapor recovery system (S24 or A31) shall not exceed 100 ppmv | BAAQMD Condition 1240, part II.44 | P/Q or A | Method 21 |
| | BAAQMD Condition #1240, part II.53 | Y | | Fugitive emissions shall not exceed 100 ppm | BAAQMD Condition 1240, part II.53 | P/Q or A | Method 21 |
| | BAAQMD Condition #1240, part II.55 | Y | | 98.5% destruction of vapors | BAAQMD Condition 1240, part II.58b | C | Temperature monitoring |
| | BAAQMD Condition #1240, part II.56 | Y | | 98.5% destruction of vapors | BAAQMD Condition 1240, part II.58b | C | Temperature monitoring |
| | BAAQMD Condition #1240, part II.57 | Y | | 98.5% destruction of vapors | BAAQMD Condition 1240, part II.58b | C | Temperature monitoring |
| | BAAQMD Condition #1240, part II.69 | Y | | 98.5% destruction of vapors by weight | BAAQMD Condition 1240, part II.58b | C | Temperature monitoring |
| | BAAQMD Condition #1240, part II.70 | Y | | 98.5% destruction of vapors by weight | BAAQMD Condition 1240, part II.58b | C | Temperature monitoring |
| | BAAQMD Condition 1240, part II.85 | Y | | 98.5% destruction of vapors | BAAQMD Condition 1240, part II.58b | C | Temperature monitoring |

# VII. Applicable Limits and Compliance Monitoring Requirements

## Table VII – AN
## Applicable Limits and Compliance Monitoring Requirements
## A31, THERMAL OXIDIZER

| Type of Limit | Citation of Limit | FE Y/N | Future Effective Date | Limit | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type |
|---|---|---|---|---|---|---|---|
| | BAAQMD Condition 1240, part II.86 | Y | | no detectable fugitive organic emissions in excess of 100 ppmv, measured as total organic compounds | BAAQMD 8-18-401.2 or 8-18-404 | P/Q | Method 21 Inspection |
| Through-put | BAAQMD Condition 1240, part I.5 | Y | | Maximum heat input to all asphalt plant combustion units < 93.6 MMbtu/hr | BAAQMD Condition 1240, part I.5 | P/D | PG&E fuel meter |
| Temper-ature limit | 40 CFR 60.113b(c)(1)(ii) & (c)(2) | Y | | 1350$^{o}$ F. in stack | 40 CFR 60.112b(c)(c)(2) | C | Temperature monitoring |
| | 40 CFR 60.473(c) | Y | | 1350$^{o}$ F. in stack | 40 CFR 60.473(c) | C | Temperature monitoring |
| | 40 CFR 61.356(f)(2)(i)(C) | Y | | 1350$^{o}$ F. in stack | 40 CFR 61.354(c)(1) | C | Temperature monitoring |

# VIII. TEST METHODS

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

**Table VIII**
**Test Methods**

| Applicable Requirement | Description of Requirement | Acceptable Test Methods |
|---|---|---|
| BAAQMD 6-301 | Ringelmann No. 1 Limitation | Manual of Procedures, Volume I, Evaluation of Visible Emissions |
| BAAQMD 6-303.1 | Ringelmann No. 2 Limitation | Manual of Procedures, Volume I, Evaluation of Visible Emissions |
| BAAQMD 6-310 | Particulate Weight Limitation | Manual of Procedures, Volume IV, ST-15, Particulates Sampling or EPA Reference Method 5 (40 CFR 60, Appendix A), Determination of Particulate Emissions from Stationary Sources |
| BAAQMD 6-311 | General Operations | Manual of Procedures, Volume IV, ST-15, Particulates Sampling or EPA Reference Method 5 (40 CFR 60, Appendix A), Determination of Particulate Emissions from Stationary Sources |
| BAAQMD 8-5-117 | Exemption, Low Vapor Pressure | Manual of Procedures, Volume III, Lab Method 28, Determination of Vapor Pressure of Organic Liquids from Storage Tanks, if organic compound is not listed in Table I |
| BAAQMD 8-5-301 | Storage Tanks Control Requirements | Manual of Procedures, Volume III, Lab Method 28, Determination of Vapor Pressure of Organic Liquids from Storage Tanks, if organic compound is not listed in Table I |
| BAAQMD 8-5-303.2 | Pressure vacuum leak concentration | EPA Reference Method 21 (40 CFR 60, Appendix A), Determination of Volatile Organic Compound Leaks |
| BAAQMD 8-5-306 | Requirements for Approved Emission Control Systems | Manual of Procedures, Volume IV, ST-4, Bulk Gasoline Distribution Facility |
| BAAQMD 8-5-328.1.2 | VOC emissions for tank degassing | Manual of Procedures, Volume IV, ST-7, Non-Methane Organic Carbon Sampling |
| BAAQMD 8-5-501.1 | Records | Manual of Procedures, Volume III, Lab Method 28, Determination of Vapor Pressure of Organic Liquids from Storage Tanks, if organic compound is not listed in Table I |
| BAAQMD 8-5-603.2 | VOC emissions for tank degassing | Manual of Procedures, Volume IV, ST-7, Non-Methane Organic Carbon Sampling |

# VIII. Test Methods

## Table VIII
## Test Methods

| Applicable Requirement | Description of Requirement | Acceptable Test Methods |
|---|---|---|
| BAAQMD 8-5-605 | Pressure-Vacuum Valve Gas Tight Determination | EPA reference method 21 (40 CFR 60, Appendix A), Determination of Volatile Organic Compound Leaks |
| BAAQMD 8-6-301 | Bulk Terminal Limitations | Manual of Procedures, Volume IV, ST-3, Bulk Gasoline Transfer Plants or<br>ST-34, Bulk and Marine Loading Terminals, Vapor Recovery Units Refrigeration Unit or Carbon Adsorption Unit |
| BAAQMD 8-6-603 | True Vapor Pressure | Manual of Procedures, Volume III, ST-3, Lab Method 28, Determination of Vapor Pressure of Organic Liquids |
| BAAQMD 8-8-114 | Exemption, Bypassed Oil-Water Separator or Air Flotation Influent | Manual of Procedures, Volume III, ST-3, Lab Method 33, Determination of Dissolved Critical Volatile Organic Compounds in Wastewater Separators |
| BAAQMD 8-8-301.3 | 95% combined collection and destruction efficiency requirement | Manual of Procedures, Volume IV, ST-7, Non-Methane Organic Carbon Sampling, or<br>Method 25, Determination of Total Gaseous Nonmethane Organic Emissions as Carbon, or<br>Method 25A, Determination of Total Gaseous Organic Concentration Using a Flame Ionization Analyzer |
| BAAQMD 8-8-303 | Gauging and Sampling Devices | EPA reference method 21 (40 CFR 60, Appendix A), Determination of Volatile Organic Compound Leaks |
| BAAQMD 8-8-307.2 | 70% combined collection and destruction efficiency requirement | Manual of Procedures, Volume IV, ST-7, Non-Methane Organic Carbon Sampling, or<br>Method 25, Determination of Total Gaseous Nonmethane Organic Emissions as Carbon, or<br>Method 25A, Determination of Total Gaseous Organic Concentration Using a Flame Ionization Analyzer |
| BAAQMD 8-8-601 | Wastewater Analysis for Critical OCs | Manual of Procedures, Volume III, ST-3, Lab Method 33, Determination of Dissolved Critical Volatile Organic Compounds in Wastewater Separators |
| BAAQMD 8-15-305 | Prohibition of Manufacture and Sale | ASTM Distillation Method D402, or<br>ASTM Distillation Method D244 |
| BAAQMD 8-18-301, 8-18-302, 8-18-303, 8-18-304, 8-18-305 | Leak inspection procedures | EPA reference method 21 (40 CFR 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 8-18-306 | Determination of mass emissions | EPA Protocol for equipment leak emission estimates, Chapter 4, Mass Emission Sampling, (EPA-453/R-95-017) November 1995 |
| BAAQMD 8-28-304.2 | 95% control requirement | Manual of Procedures, Volume IV, ST-7, Non-Methane Organic Carbon Sampling, or<br>Method 25, Determination of Total Gaseous Nonmethane Organic Emissions as Carbon, or<br>Method 25A, Determination of Total Gaseous Organic Concentration Using a Flame Ionization Analyzer |
| BAAQMD 9-1-304 | Fuel Sulfur Content | Manual of Procedures, Volume III, Method 10, Determination of Sulfur in Fuel Oil |
| BAAQMD 9-1-313.2 | Sulfur Removal and Recovery System | Manual of Procedures, Volume III, Method 25, Determination of Sulfur in Effluents or equivalent method approved by APCO |
| SIP 9-1-313.2 | Sulfur Removal and Recovery System | Manual of Procedures, Volume III, Method 25, Determination of Sulfur in Effluents or equivalent method approved by APCO |
| BAAQMD 9-10-301 | Emission Limit for Facility, NOx: 0.033 lb NOx/MMBTU | Manual of Procedures, Volume IV, ST-13A, Oxides of Nitrogen, Continuous Sampling and<br>ST-14, Oxygen, Continuous Sampling |
| BAAQMD 9-10-303 | Emission Limit For Facility (Federal Requirements) | Manual of Procedures, Volume IV, ST-13A, Oxides of Nitrogen, Continuous Sampling and<br>ST-14, Oxygen, Continuous Sampling |
| BAAQMD 9-10-305 | CO emission limit | Manual of Procedures, Volume IV, ST-6, Carbon Monoxide, Continuous Sampling and<br>ST-14, Oxygen, Continuous Sampling |
| BAAQMD 9-10-601 | Determination of Nitrogen Oxides | Manual of Procedures, Volume IV, ST-13A, Oxides of Nitrogen, Continuous Sampling and<br>ST-14, Oxygen, Continuous Sampling |
| BAAQMD 9-10-602 | Determination of Carbon Monoxide and Stack-Gas Oxygen | Manual of Procedures, Volume IV, ST-6, Carbon Monoxide, Continuous Sampling and<br>ST-14, Oxygen, Continuous Sampling |
| 40 CFR 60.104(a)(1) | Fuel gas H2S concentration limit | EPA Method 11, Determination of Hydrogen Sulfide Content of Fuel Gas Streams in Petroleum Refineries |
| 40 CFR 60.112b(a) | Vapor Pressure | ASTM Method D2879-83, 96, or 97. Test Method for Vapor Pressure-Temperature Relationship and Initial Decomposition Temperature of Liquids by Isoteniscope. |

# VIII. Test Methods

## Table VIII
## Test Methods

| Applicable Requirement | Description of Requirement | Acceptable Test Methods |
|---|---|---|
| 40 CFR 60.112b(a)(3)(i) | Standard for Volatile Organic Compounds (VOC); Closed vent system and control device no detectable emissions | EPA Reference Method 21 (40 CFR 60, Appendix A), Determination of Volatile Organic Compound Leaks |
| **40 CFR 60 Subpart J** | **Standards of Performance for Petroleum Refineries** | |
| 40 CFR 60.104(a)(1) | fuel gas H2S concentration limited to 230 mg/dscm (0.10 gr/dscf), some exceptions | EPA Method 11, Determination of Hydrogen Sulfide Content of Fuel Gas Streams in Petroleum Refineries |
| **40 CFR 60 Subpart VV** | **Standards of Performance for Equipment Leaks (Fugitive Emission Sources) (10/18/83)** | |
| 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, 40 CFR 60.485(b): EPA reference method 21 (40 CFR 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, 40 CFR 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, 40 CFR 60.485(c): EPA reference method 21 (40 CFR 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, 40 CFR 60.485(b): EPA reference method 21 (40 CFR 60, Appendix A), Determination of Volatile Organic Compound Leaks |
| 40 CFR 61.343(a)(1)(i)(A) | Standards: Tanks; Fixed Roof—Fugitive emissions less than 500 ppmv | EPA reference method 21 (40 CFR 60, Appendix A), Determination of Volatile Organic Compound Leaks |

# VIII. Test Methods

## Table VIII
## Test Methods

| Applicable Requirement | Description of Requirement | Acceptable Test Methods |
|---|---|---|
| 61.345(a)(1)(i) | Standards: Containers--Covers and Openings, no detectable emissions | EPA reference method 21 (40 CFR 60, Appendix A), Determination of Volatile Organic Compound Leaks |
| 61.347(a)(1)(i)(A) | Standards: Oil Water Separators | EPA reference method 21 (40 CFR 60, Appendix A), Determination of Volatile Organic Compound Leaks |
| 61.349(a)(1)(i) | Standards: Closed-vent systems and Control Devices—Closed vent system-no detectable emission >/= 500 ppmv, annual inspection | EPA reference method 21 (40 CFR 60, Appendix A), Determination of Volatile Organic Compound Leaks |
| 61.349(a)(2)(i) | Standards: Closed-Vent Systems and Control Devices; Enclosed combustion device requirements | EPA reference method 18 (40 CFR 60, Appendix A), Measurement of Gaseous Organic Compound Emissions by Gas Chromatography |
| 61.349(a)(2)(ii) | Controlled by vapor recovery: 95% VOC or 98% benzene control efficiency. | EPA reference method 18 (40 CFR 60, Appendix A), Measurement of Gaseous Organic Compound Emissions by Gas Chromatography |
| 61.355(h) | Compliance-no detectible emissions | EPA reference method 21 (40 CFR 60, Appendix A), Determination of Volatile Organic Compound Leaks |
| 61.355(i) | Performance test procedures | EPA reference method 18 (40 CFR 60, Appendix A), Measurement of Gaseous Organic Compound Emissions by Gas Chromatography |
| BAAQMD Condition 1240, part II.31a | 1.5 psia requirement | Manual of Procedures, Volume III, Lab Method 28, Determination of Vapor Pressure of Organic Liquids from Storage Tanks |
| BAAQMD Condition 1240, part II.32d | No detectable fugitive organic emissions in excess of 100 ppmv, measured as total organic compounds | EPA reference method 21 (40 CFR 60, Appendix A), Determination of Volatile Organic Compound Leaks |
| BAAQMD Condition 1240, part II.44 | | EPA reference method 21 (40 CFR 60, Appendix A), Determination of Volatile Organic Compound Leaks |
| BAAQMD Condition 1240, part II.53 | | EPA reference method 21 (40 CFR 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 Condition 1240, part II.86 | | EPA reference method 21 (40 CFR 60, Appendix A), Determination of Volatile Organic Compound Leaks |

# IX. PERMIT SHIELD

## A. Non-applicable Requirements

Pursuant to District Regulations 2-6-233 and 2-6-409.12, the federally enforceable regulations and/or standards cited in the following table[s] are not applicable 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**
**S30, MARINE LOADING DOCK**

| Citation | Title or Description<br>(Reason not applicable) |
|---|---|
| BAAQMD Regulation 8, Rule 44 | Marine Vessel Loading Terminals<br>(Facility does not load organic liquids as defined by 8-44-204.) |

# IX. Permit Shield

## B. Subsumed Requirements

Pursuant to District Regulations 2-6-233 and 2-6-409.12, as of the date this permit is issued, the federally enforceable "subsumed" monitoring requirements cited in the following table do not apply to the source or group of sources identified at the top of the table. The District has determined that compliance with the requirements listed below and elsewhere in this permit will assure compliance with the substantive requirements of the "subsumed" monitoring requirements. Enforcement actions and litigation may not be initiated against the source or group of sources covered by this shield based on the "subsumed" monitoring requirements cited.

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

| Subsumed Requirement Citation | Title or Description | Streamlined Requirements | Title or Description |
|---|---|---|---|
| NSPS Subpart Kb, 40 CFR 60.113b(b)(1)(i) and (ii) | Measurement of gaps between tank wall and primary and secondary seals at least once per 5 years and at least once per year, respectively. | BAAQMD Condition # 1240 II.13 | Quarterly inspection of primary and secondary tank seals |

# IX. Permit Shield

## Table IX B – 2
## Permit Shield for Subsumed Requirements
### COMPONENTS

| Subsumed Requirement Citation | Title or Description | Streamlined Requirements | Title or Description |
|---|---|---|---|
| NSPS Subpart VV, 40 CFR 60.482-2(c) | Pump Leak above 10,000 ppm or dripping liquid: First repair attempt before 5 days and repair before 15 days. | BAAQMD 8-18-303 | Minimization of pump leak > 500 ppm within 24 hours and repair within 7 days. |
| NSPS Subpart VV, 40 CFR 60.482-7(d) | Valve Leak above 10,000 ppm: First repair attempt before 5 days and repair before 15 days. | BAAQMD 8-18-302 | Minimization of valve leak > 100 ppm within 24 hours and repair within 7 days. |
| NSPS Subpart VV, 40 CFR 60.482-7(g) | Allows relief from 60.482.7(a) monitoring if designated as unsafe-to-monitor. | BAAQMD 8-18-404 | BAAQMD Regulation 8-18-404 does not allow this relief. |
| NSPS Subpart VV, 40 CFR 60.482-7(h) | Allows relief from 60.482.7(a) monitoring if designated as difficult-to-monitor. | BAAQMD 8-18-206 | Definition of inaccessible is more stringent. Both 60.482.7(h) and 8-18-401.3 require yearly monitoring for difficult-to-monitor valves. |
| NSPS Subpart VV, 40 CFR 60.482-9(e) | Allows delay of repair beyond a process unit shutdown under supply circumstances. | BAAQMD 8-18-306 | BAAQMD Regulation 8-18-306 does not allow this relief. |
| NSPS Subpart VV, 40 CFR 60.484 | Alternative compliance plan only requires EPA approval. | BAAQMD 8-18-308 | Requires public noticing and EPA approval of alternative compliance plan. |

# X. REVISION HISTORY

Initial Major Facility Review Permit Issuance (Application 17468): December 1, 2003

Administrative Amendment (no application): May 27, 2004
Deferral of effective date for monitoring conditions for BAAQMD Regulation 9, Rule 10 in Section IV and VII tables for sources S19, S20, and S21 and in BAAQMD Condition 20617.

Minor Revision (Application 7471): September 2, 2004
Add new daily throughput limit and delete operating hours limit for S70, Asphalt Additive Mixing Tank, in BAAQMD Condition 20278 and the Section IV and VII tables for S70.

# XI. GLOSSARY

**ACP**
Alternative Compliance Plan pursuant to BAAQMD Regulation 2, Rule 9, Interchangeable Emission Reduction Credits

**ACT**
Federal Clean Air Act

**BAAQMD**
Bay Area Air Quality Management District

**BACT**
Best Available Control Technology

**CAA**
The federal Clean Air Act

**CAAQS**
California Ambient Air Quality Standards

**CEM**
Continuous Emission Monitor

**CEQA**
California Environmental Quality Act

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

**CO**
Carbon Monoxide

**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.

**dscm**
dry standard cubic meter

# X. Glossary

**District**
The Bay Area Air Quality Management District

**EMP**
Environmental Management Plan

**EPA**
The federal Environmental Protection Agency.

**Excluded**
Not subject to any District regulations.

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

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

**GLM**
Ground Level Monitor

**H2S**
Hydrogen Sulfide

**HAP**
Hazardous Air Pollutant. Any pollutant listed pursuant to Section 112(b) of the Act. Also refers to the program mandated by Title I, Section 112, of the Act and implemented by both 40 CFR Part 63, and District Regulation 2, Rule 5.

**HC**
Hydrocarbon

**IERC**
Interchangeable Emission Reduction Credit

**LEL**
Lower Explosive Limit

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

# X. Glossary

air pollutants as determined by the EPA administrator.

**MDWEIGHT**
Thousand Dead Weight Tons

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

**MM**
Million

**MOP**
The District's Manual of Procedures.

**NA**
Not applicable

**NAAQS**
National Ambient Air Quality Standards

**NESHAPS**
National Emission Standards for Hazardous Air Pollutants. See in 40 CFR Parts 61 and 63

**NH3**
Ammonia

**NMHC**
Non-methane Hydrocarbons

**NOx**
Oxides of nitrogen.

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

**NSR**
New Source Review. A federal program for pre-construction review and permitting of new and modified sources of pollutants for which criteria have been established in accordance with Section 108 of the Federal Clean Air Act. Mandated by Title I of the Federal Clean Air Act and implemented by 40 CFR Parts 51 and 52 and District Regulation 2, Rule 2. (Note: There are additional NSR requirements mandated by the California Clean Air Act.)

**Offset Requirement**

# X. Glossary

A New Source Review requirement to provide federally enforceable emission offsets for the emissions from a new or modified source. Applies to emissions of POC, NOx, PM10, and SO2.

**OHAP**
Organic Hazardous Air Pollutant

**PHA**
Process Hazard Analysis as defined by BAAQMD Regulation 8, Rule 28.

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

**POC**
Precursor Organic Compounds

**PM**
Particulate Matter

**PMP**
Prevention Measures Procedures

**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 those air pollutants for which the District is classified "attainment" of the National Air Ambient Quality Standards. Mandated by Title I of the Act and implemented by both 40 CFR Part 52 and District Regulation 2, Rule 2.

**RACT**
Reasonably Available Control Technology

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

**SO2**
Sulfur dioxide

**$SO_3$**
Sulfur trioxide

# X. Glossary

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

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

**TRMP**
Toxic Risk Management Plan

**TSP**
Total Suspended Particulate

**TVP**
True Vapor Pressure, psia

**VOC**
Volatile Organic Compounds

**VOL**
Volatile Organic Liquid

**Units of Measure:**

| | | |
|---|---|---|
| bbl | = | barrel |
| bhp | = | brake-horsepower |
| btu | = | British Thermal Unit |
| cm | = | centimeter |
| g | = | grams |
| gal | = | gallon |
| gpm | = | gallons per minute |
| hp | = | horsepower |
| hr | = | hour |
| lb | = | pound |
| in | = | inches |
| max | = | maximum |
| m | = | meter |
| $m^2$ | = | square meter |
| min | = | minute |
| mm | = | millimeter |
| Mm | = | million |
| ppmv | = | parts per million, by volume |
| ppmw | = | parts per million, by weight |

# X. Glossary

| | | |
|---|---|---|
| psia | = | pounds per square inch, absolute |
| psig | = | pounds per square inch, gauge |
| scfm | = | standard cubic feet per minute |
| yr | = | year |

# XII. APPLICABLE STATE IMPLEMENTATION PLAN

The Bay Area Air Quality Management District's portion of the State Implementation Plan can be found at EPA Region 9's website. The address is:

http://yosemite1.epa.gov/r9/r9sips.nsf/California?ReadForm&Start=1&Count=30&Expand=3.1