Bay Area Air Quality Management District

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

Revision 2

MAJOR FACILITY REVIEW PERMIT

Issued To:

Valero Benicia Asphalt Plant
Facility #A0901

Facility Address:
3001 Park Road
Benicia, CA 94510

Mailing Address:
3400 East Second Street
Benicia, CA 94510

Responsible Official	**Facility Contact**
Doug Comeau,	Todd Lopez,
Vice President and General Manager	Environmental Engineering Manager
Valero Refining Company - California	
(707) 745-7011	(707) 745-7203

Type of Facility: Asphalt Refinery

Primary SIC: 2911

Product: Asphalt

BAAQMD Engineering Division Contact:
Thu Bui

ISSUED BY THE BAY AREA AIR QUALITY MANAGEMENT DISTRICT

Signed by Jean Roggenkamp for Jack P. Broadbent — October 17, 2007
Jack P. Broadbent, Executive Officer/Air Pollution Control Officer — Date

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I. STANDARD CONDITIONS

A. Administrative Requirements

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

BAAQMD Regulation 1 - General Provisions and Definitions
(as amended by the District Board on 7/19/06);
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 7/19/06);
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 6/15/05);
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 12/21/04);
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)
SIP BAAQMD Regulation 2, Rule 6 - Permits, Major Facility Review
(as approved by EPA on 6/23/95)

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)

I. Standard Conditions

4. This permit may be modified, revoked, reopened and reissued, or terminated for cause. (Regulation 2-6-307, 409.8, 415; MOP Volume II, Part 3, §4.11)
5. The filing of a request by the facility for a permit modification, revocation and re-issuance, or termination, or the filing of a notification of planned changes or anticipated non-compliance does not stay the applicability of any permit condition. (Regulation 2-6-409.7; MOP Volume II, Part 3, §4.11)
6. This permit does not convey any property rights of any sort, or any exclusive privilege. (Regulation 2-6-409.7; MOP Volume II, Part 3, §4.11)
7. The permit holder shall supply within 30 days any information that the District requests in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. (Regulation 1-441, Regulation 2-6-409.4 & 501; MOP Volume II, Part 3, §4.11)
8. Any records required to be maintained pursuant to this permit that the permittee considers to contain proprietary or trade secret information shall be prominently designated as such. Copies of any such proprietary or trade secret information which are provided to the District shall be maintained by the District in a locked confidential file, provided, however, that requests from the public for the review of any such information shall be handled in accordance with the District's procedures set forth in Section 11 of the District's Administrative Code. (Regulation 2-6-419; MOP Volume II, Part 3, §4.11)
9. Proprietary or trade secret information provided to EPA will be subject to the requirements of 40 CFR Part 2, Subpart B - Public Information, Confidentiality of Business Information. (40 CFR Part 2)
10. The emissions inventory submitted with the application for this Major Facility Review Permit is an estimate of actual emissions or the potential to emit for the time period stated and is included only as one means of determining applicable requirements for emission sources. It does not establish, or constitute a basis for establishing, any new emission limitations. (MOP Volume II, Part 3, §4.11)
11. The responsible official shall certify all documents submitted by the facility pursuant to the major facility review permit. The certification shall state that based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete. The certifications shall be signed by a responsible official for the facility. (MOP Volume II, Part 3, §4.11)

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)

I. Standard Conditions

E. Records

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

F. Monitoring Reports

Reports of all required monitoring must be submitted to the District at least once every six months, except where an applicable requirement specifies more frequent reporting. The first reporting period for this permit shall be 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:

I. Standard Conditions

Director of the Air Division
USEPA, Region IX
75 Hawthorne Street
San Francisco, CA 94105
Attention: Air-3

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

H. Emergency Provisions

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

I. Severability

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

J. Miscellaneous Conditions

1. The maximum capacity for each source as shown in Table II-A is the maximum allowable capacity. 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.

I. Standard Conditions

*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 or within the next normal business day. The notification shall be sent in writing by fax or email to the Director of Enforcement and Compliance. This requirement is not federally enforceable. (Regulation 2-1-403)

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

5. Reserved.

6. Reserved.

7. The District intends to make a determination regarding the applicability of 40 CFR Part 61, Subpart QQQ to certain wastewater treatment sources on or before February 15, 2005. Any information the permit holder believes should be considered by the District regarding this determination must be submitted by January 5, 2005. This permit condition is not intended to limit the District's authority to request information.

8. The District intends to make a determination regarding the applicability of 40 CFR Part 63, Subpart FF to certain waste streams on or before February 15, 2005. Any information the permit holder believes should be considered by the District regarding this determination must be submitted by January 5, 2005. This permit condition is not intended to limit the District's authority to request information.

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 (S1, S2, S4, S23 Crude Storage Tanks owned by Facility B5574			
2	Crude Storage Tank 1B (S1, S2, S4, S23 Crude Storage Tanks owned by Facility B5574			
3	Gas Oil Storage Tank, TK-1C	Fixed Roof		3,419,000 gal
4	Crude Oil Storage Tank, TK-10A (S1, S2, S4, S23 Crude Storage Tanks owned by Facility B5574			
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 - Heavy Vacuum Gas 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)			14.7 MMbtu/hr
21	Steam Boiler H-2 B (natural gas)			14.7 MMbtu/hr
23	Crude Storage Tank 10B (S1, S2, S4, S23 Crude Storage Tanks owned by Valero LP (Facility B5574)			
24	Hot Oil Heater, H-3 (natural gas)			9 MMbtu/hr
25	Effluent Water Feed Tank, TK-11A	Fixed Roof		88,200 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
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
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, 145 gpm
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
71	Emergency Diesel Air Compressor	Caterpillar	3054C	108 BHP

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
A4	Thermal Oxidizer (6.5 MMbtu/hr)	S17	Regulation 6-310	temperature	0.15 gr/dscf
A4	Thermal Oxidizer (6.5 MMbtu/hr)	S14, S15	BAAQMD 8-6-301	Temperature	0.17 pounds organic compounds per 1,000 gallons
A4	Thermal Oxidizer (6.5 MMbtu/hr)	S14, S15, S17, A2	BAAQMD Condition #1240, Part I.14	temperature	Emissions of NMHC < 42.705 tons per year
A4	Thermal Oxidizer (6.5 MMbtu/hr)	S18	BAAQMD Condition #1240, Part II.6 and 40 CFR 60.482-10(c)	Temperature	95% 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)	S14	BAAQMD Condition #1240, Part II.60	Temperature	98.5% destruction
A4	Thermal Oxidizer (6.5 MMbtu/hr)	S15	BAAQMD Condition #1240, Part II.63	Temperature	98.5% destruction
A4	Thermal Oxidizer (6.5 MMbtu/hr)	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
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
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
A31	Thermal Oxidizer (3.5 MMbtu/hr)	S13, S59, S63	BAAQMD, 8-5-306	Temperature	95% control of VOC

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)	S31	BAAQMD 8-6-301	Temperature	0.17 pounds organic compounds per 1,000 gallons
A31	Thermal Oxidizer (3.5 MMbtu/hr)	S66	BAAQMD 8-8-301.3 and SIP 8-8-301.3	Temperature	95% combined collection and destruction efficiency
A31	Thermal Oxidizer (3.5 MMbtu/hr)	S13, S59, S63	40 CFR 60.112b(a)(3)(ii)	Temperature	95% control of inlet VOC
A31	Thermal Oxidizer (3.5 MMbtu/hr)	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
A31	Thermal Oxidizer (3.5 MMbtu/hr)	S12, S25, S28, S41, S66, S67	40 CFR 61.349(a)(2)(i)(A)	Temperature	95% control of inlet VOC
A31	Thermal Oxidizer (3.5 MMbtu/hr)	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 < 42.705 tons per year

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)	S13	BAAQMD Condition #1240, Part II.32a	Temperature	98.5% control of inlet VOC by weight
A31	Thermal Oxidizer (3.5 MMbtu/hr)	S59	BAAQMD Condition #1240, Part II.32b	Temperature	98.5% control of inlet VOC by weight
A31	Thermal Oxidizer (3.5 MMbtu/hr)	S63	BAAQMD Condition #1240, Part II.32c	Temperature	98.5% control of inlet VOC by weight
A31	Thermal Oxidizer (3.5 MMbtu/hr)	S3	BAAQMD Condition #1240, Part II.43	Temperature	98.5% destruction
A31	Thermal Oxidizer (3.5 MMbtu/hr)	S5-S8, S37, S38, S70	BAAQMD Condition #1240, Part II.55	Temperature	98.5% destruction
A31	Thermal Oxidizer (3.5 MMbtu/hr)	S51-S53, S60	BAAQMD Condition #1240, Part II.56	Temperature	98.5% destruction
A31	Thermal Oxidizer (3.5 MMbtu/hr)	S65	BAAQMD Condition #1240, Part II.56	temperature	98.5% destruction
A31	Thermal Oxidizer (3.5 MMbtu/hr)	S31	BAAQMD Condition 1240, Part II.69	Temperature	98.5% destruction
A31	Thermal Oxidizer (3.5 MMbtu/hr)	S61, S62	BAAQMD Condition #1240, Part II.57	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)	S54	BAAQMD Condition #1240, Part II.70	Temperature	98.5% destruction
A31	Thermal Oxidizer (3.5 MMbtu/hr)	S66	BAAQMD Condition #1240, Part II.85	Temperature	98.5% destruction
A31	Thermal Oxidizer (3.5 MMbtu/hr)	S70	BAAQMD Condition 20278, Part 3	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
S19	Vacuum Heater (natural gas, asphalt plant refinery fuel gas)	S18, A44, A45	BAAQMD Condition #1240, Part I.14	None	Emissions of NMHC < 42.705 tons per year
S19	Vacuum Heater (natural gas, asphalt plant refinery fuel gas)	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

II. Equipment

Table II-B – Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
S24	Hot Oil Heater	S5-S8, S31, S37, S38, S51-S54, S60-S62, S65, S70	BAAQMD 6-301	Temperature	Ringelmann 1 for < 3 minutes/hr
S24	Hot Oil Heater	S5-S8, S31, 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	S31	BAAQMD 8-6-301	Temperature	0.17 pounds organic compounds per 1,000 gallons
S24	Hot Oil Heater	S66	BAAQMD 8-8-301.3 and SIP 8-8-301.3	Temperature	95% combined collection and destruction efficiency
S24	Hot Oil Heater	S13, S59, S63	40 CFR 60.112b(a)(3)(ii)	Temperature	95% control of inlet VOC
S24	Hot Oil Heater	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

II. Equipment

Table II-B – Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
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, S31, S37, S38, S41, S51-S54, S59, S60-S62, S63, S65, S66, S67, S70, A1, A3, A6, A20	BAAQMD Condition #1240, Part I.14	temperature	Emissions of NMHC < 42.705 tons per year
S24	Hot Oil Heater	S13	BAAQMD Condition #1240, Part II.32a	Temperature	98.5% control of inlet VOC by weight
S24	Hot Oil Heater	S59	BAAQMD Condition #1240, Part II.32b	Temperature	98.5% control of inlet VOC by weight
S24	Hot Oil Heater	S63	BAAQMD Condition #1240, Part II.32c	Temperature	98.5% control of inlet VOC by weight
S24	Hot Oil Heater	S3	BAAQMD Condition #1240, Part II.43	Temperature	98.5% destruction
S24	Hot Oil Heater	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
S24	Hot Oil Heater	S51-S53, S60, S65	BAAQMD Condition #1240, Part II.56	Temperature	98.5% destruction
S24	Hot Oil Heater	S61, S62	BAAQMD Condition #1240, Part II.57	Temperature	98.5% destruction
S24	Hot Oil Heater	S31	BAAQMD Condition 1240, Part II.69	Temperature	98.5% destruction
S24	Hot Oil Heater	S54	BAAQMD Condition #1240, Part II.70	Temperature	98.5% destruction
S24	Hot Oil Heater	S66	BAAQMD Condition #1240, Part II.85	Temperature	98.5% destruction
S24	Hot Oil Heater	S70	BAAQMD Condition 20278, Part 3	Temperature	98.5% destruction
A71	Catalyzed Diesel Particulate Filter	S71	BAAQMD Condition 22928 Part 2	None	None

III. GENERALLY APPLICABLE REQUIREMENTS

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

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

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

The full language of SIP requirements is on EPA Region 9's website. The address is included at the end 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 (7/19/06)	N
SIP Regulation 1	General Provisions and Definitions (6/28/99)	Y
BAAQMD Regulation 2, Rule 1	General Requirements (7/19/06)	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

III. Generally Applicable Requirements

Generally Applicable Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)
BAAQMD Regulation 7	Odorous Substances (3/17/82)	N
BAAQMD Regulation 8, Rule 1	Organic Compounds - General Provisions (6/15/94)	Y
BAAQMD Regulation 8, Rule 2	Organic Compounds – Miscellaneous Operations 7/20/05)	N
SIP BAAQMD Regulation 8, Rule 2	Organic Compounds – Miscellaneous Operations (3/22/95)	Y
BAAQMD Regulation 8, Rule 3	Organic Compounds - Architectural Coatings (11/21/01)	Y
BAAQMD Regulation 8, Rule 4	Organic compounds - General Solvent and Surface Coating Operations (10/16/02)	Y
BAAQMD Regulation 8, Rule 16	Organic Compounds – Solvent Cleaning Operations (10/16/02)	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 (7/20/04)	Y
40 CFR 82, Subpart F	Protection of Stratospheric Ozone; Recycling and Emissions Reduction (4/13/05)	
40 CFR 82.156	Leak Repair	Y
40 CFR 82.161	Certification of Technicians	Y
40 CFR 82.166	Records of Refrigerant	Y
40 CFR 82, Subpart H	Protection of Stratospheric Ozone; Halon Emissions Reduction (3/5/98)	
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 parentheses in the Title column identify the versions of the regulations being cited and are, as applicable:

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

The full text of each permit condition cited is included in Section VI, Permit Conditions, of this permit. The full language of SIP requirements is on EPA Region 9's website. The address is included at the end 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 (7/19/06)**		
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 (7/19/06)**		
2-1-429	Federal Emissions Statement	N	
BAAQMD Regulation 8, Rule 5	**Storage of Organic Liquids (11/27/02)**		
8-5-117	Exemption, Low Vapor Pressure	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	Tank degassing requirements	Y	
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	
BAAQMD Regulation 8, Rule 8	**Wastewater Collection and Separation Systems (9/15/2004)**		
8-8-112	Exemption, Wastewater Critical Organic Compound Concentration or Temperature	N	
8-8-113	Exemption, Secondary Wastewater Treatment Processes and Stormwater Sewer Systems	N	
8-8-116	Limited Exemption, Oil-Water Separation Trenches	N	
8-8-304	Sludge Dewatering Unit	N	
8-8-308	Junction Box	Y	
8-8-312	Controlled Wastewater Collection System Components at Petroleum Refineries : Maintain controlled sources vapor tight except during inspection, maintenance, repair, or sampling	N	
8-8-313	Uncontrolled Wastewater Collection System Components at Petroleum Refineries : Comply with 8-8-313.1 or 8-8-313.2 for uncontrolled sources	N	
8-8-313.2	Uncontrolled Wastewater Collection System Components at Petroleum Refineries : Inspection and Maintenance Plan Option	N	
8-8-314	New Wastewater Collection System Components at Petroleum Refineries ; equip new components with water seal or equivalent control	N	
8-8-402	Wastewater Inspection and Maintenance Plans at Petroleum Refineries	N	
8-8-402.1	Wastewater Inspection and Maintenance Plans at Petroleum Refineries : ID all components and submit to BAAQMD	N	
8-8-402.2	Wastewater Inspection and Maintenance Plans at Petroleum Refineries ; complete initial inspection of components	N	
8-8-402.3	Wastewater Inspection and Maintenance Plans at Petroleum Refineries ; implement 8-8-313.2 Inspection and Maintenance Plan	N	
8-8-402.4	Wastewater Inspection and Maintenance Plans at Petroleum Refineries ; semi-annual inspections of controlled equipment	N	
8-8-402.5	Wastewater Inspection and Maintenance Plans at Petroleum Refineries ; keep records per 8-8-505	N	

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
8-8-502	Wastewater Critical Organic Compound Concentration or Temperature Records	N	
8-8-504	Portable Hydrocarbon Detector	Y	
8-8-505	Records for Wastewater Collection System Components at Petroleum Refineries	N	
8-8-601	Wastewater Analysis for Critical OCs	N	
8-8-603	Inspection Procedures	N	
SIP Regulation 8, Rule 8	**Wastewater (Oil-Water) Separators (8/29/1994)**		
8-8-112	Exemption, Wastewater Critical OC Concentration or Temperature	Y	
8-8-113	Exemption, Secondary Wastewater Treatment Processes and Stormwater Sewer Systems	Y	
8-8-304	Sludge Dewatering Unit	Y	
8-8-502	Wastewater Critical OC Concentration and/or Temperature Records	Y	
8-8-601	Wastewater Analysis for Critical OCs	Y	
BAAQMD Regulation 8, Rule 28	**Episodic Releases from Pressure Relief Devices at Petroleum Refineries and Chemical Plants (12/21/05)**		
8-28-302	Pressure Relief Devices at New or Modified Sources at Petroleum Refineries	N	
SIP Regulation 8, Rule 28	**Episodic Releases from Pressure Relief Devices at Petroleum Refineries and Chemical Plants (5/24/04)**		
8-28-302	Pressure Relief Devices at New or Modified Sources at Petroleum Refineries	Y	
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	
9-1-313	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 (6/1/06)**		
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 60 Subpart Kb	**New Source Performance Standard for Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction or Modification Commenced After July 23, 1984. (10/15/2003)**		

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 60.110b(b)	Exemption, Low Vapor Pressure	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	
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	
40 CFR 61 Subpart A	**National Emission Standards for Hazardous Air Pollutants, General Provisions (4/9/04)**		
61.01	Lists of Pollutants and Applicability of Part 61	Y	
61.02	Definitions	Y	
61.03	Units and abbreviations	Y	
61.04	Address	Y	
61.05	Prohibited Activities	Y	
61.06	Determination of Construction or Modification	Y	
61.07	Application for Approval of Construction or Modification	Y	
61.08	Approval of construction or modification	Y	
61.09	Notification of startup	Y	
61.10	Source reporting and waiver request	Y	
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 (12/4/03)**		
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	

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(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	
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	

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
61.346(b)(4)(iii)	Monitor seals on junction boxes quarterly	Y	
61.346(b)(4)(iv)	Monitor for cracks on exposed sewer lines quarterly	Y	
61.346(b)(5)	Repair as soon as practicable but no later than 15 days after identification	Y	
61.348(a)	Requirements for treatment of waste streams	Y	
61.348(a)(5)	Aggregation of process wastewater, product tank drawdown, or landfill leachate	Y	
61.348(b)	Requirements for facilities that aggregate process wastewater, product tank drawdown, and/or landfill leachate	Y	
61.350	Delay of repair	Y	
61.355	Test Methods, Procedures, and Compliance Provisions	Y	
61.355(a)	Determination of total annual benzene quantity 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	

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(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	
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	

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
61.357(d)(7)(iv)(I)	Reports of carbon not replaced at predetermined interval	Y	
61.357(d)(8)	Reports of summary of all inspections	Y	
40 CFR 63 Subpart A	**General Provisions of MACT Standards (4/20/06)**		
63.1	Applicability	Y	
63.2	Definitions	Y	
63.3	Units and abbreviations	Y	
63.4	Prohibited activities and circumvention	Y	
63.5	Preconstruction review and notification requirements	Y	
63.6	Compliance with standards and maintenance requirements	Y	
63.7	Performance test requirements	Y	
63.8	Monitoring requirements	Y	
63.9	Notification requirements	Y	
63.10	Recordkeeping and reporting requirements	Y	
63.11	Control Device Requirements	Y	
63.12	State Authority and Delegation	Y	
63.13	Addresses of State air pollution control agencies and EPA Regional Office	Y	
63.14	Incorporation by Reference	Y	
63.15	Availability of Information and Confidentiality	Y	
63.16	Performance Track Provisions	Y	
40 CFR 63 Subpart CC	**National Emission Standards for Hazardous Air Pollutants for Petroleum Refineries (6/23/03)**		
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	

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
63.640(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	
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	

IV. Source Specific Applicable Requirements

Table IV - A
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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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 wastewater and refinery wastewater for dust control (cumulative increase)	Y	
Part I.18	NMHC and NOx estimates (Cumulative Increase)	Y	
Part IV.1	Water seals, P-traps, caps, covers on process water drains (1-301)	N	
BAAQMD Condition #20762			
Part 1	Vapor Pressure Verification when switching exempt storage liquids	Y	
Part 2	Requirements to switch from low vapor pressure liquid to liquid with vapor pressure > 0.5 psia	Y	
Part 3	Retain results of vapor pressure testing for five years	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.

Table IV - B
Source-specific Applicable Requirements
S1, S2, S4, S23- CRUDE STORAGE TANKS
(DELETED IN REVISION 2. OWNERSHIP OF S1, S2, S4, AND S23 TRANSFERRED TO FACILITY B5574 BY APPLICATION NO. 7980/8915)

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	Y	
40 CFR 63 Subpart CC	**National Emission Standards for Hazardous Pollutants for Petroleum Refining (6/23/03)**		
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	

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.46	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)(1), 61.354(c)(4), , 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	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	
40 CFR 60 Subpart UU	**Standards of Performance for Asphalt Processing and Asphalt Roofing Manufacture (10/17/00)**		
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 (6/23/03)**		
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)(1), 61.354(c)(4), 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	
8-5-321.2	The seal shall be liquid mounted except as provided in 8-5-305.1.3	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
8-5-321.3	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	
8-5-322.6	Secondary seal shall extend from roof to tank shell, shall not be attached to the primary seal.	Y	
8-5-328	Tank degassing requirements	Y	
8-5-328.1	Tanks larger than 75 m^3	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. (10/15/03)**	Y	
60.110b(a)	Applicability and Designation of Affected Facility; Volatile organic liquid storage vessels > or = to 75 cubic meter, after 7/23/1984	Y	
60.112b(a)	Standard for Volatile Organic Compounds (VOC); Requirement for tanks-- > 151 cubic meter with maximum TVP >=5.2 kPa and <76.6; or >= 75 cubic meter and < 151 cubic meter with maximum TVP >= 27.6 kPa and < 76.6 kPa	Y	
60.112b(a)(1)	Standard for Volatile Organic Compounds (VOC), internal floating	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
	roof option		
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. When roof is resting on support legs, filling, emptying, and refilling shall proceed as quickly as possible.	Y	
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	

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)	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	
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)	Determination of vapor pressure for crude oil or refined petroleum products	Y	
60.116b(e)(1)	Monitoring of Operations; Determine TVP-temperature selection based on tank operating temperatures	Y	
60.116b(e)(2)(i)	use of API nomographs to determine true vapor pressure	Y	
60.116b(e)(2)(ii)	determination of true vapor pressure under special circumstances	Y	
40 CFR 63 Subpart CC	**National Emission Standards for Hazardous Pollutants for Petroleum Refining (6/23/03)**		
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)	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
(iv)			
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	

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 Regulation 8, Rule 5	**Organic Compounds, Storage of Organic Liquids (11/27/02)**		
8-5-117	Exemption, Low Vapor Pressure	Y	
40 CFR 61 Subpart FF	**National Emission Standards for Benzene Waste Operations (12/4/03)**	Y	
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 - F
Source-specific Applicable Requirements
S12-WASTEWATER 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 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(f)(3)	Records of 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: 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 - F
Source-specific Applicable Requirements
S12-WASTEWATER 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 (6/23/03)**		
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)(1), 61.354(c)(4), Regulation 2-6-409.2.2, 2-6-414)	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
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	Tanks larger than 75 m^3	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	

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
8-5-605	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. (10/15/03)**	Y	
60.110b(a)	Applicability and Designation of Affected Facility; Volatile organic liquid storage vessels > or = to 75 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 (6/23/03)**		
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	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
	Storage Vessels--Existing Group 1 or Group 2 also subject to Kb only subject to Kb.		
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.32a	Control and Destruction Efficiency Requirement (Regulation 8-5-306, NSPS, Cumulative Increase, Toxics)	Y	
Part II.32e	Monitoring of fugitive emissions at closed vent system (2-6-503)	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)(1), 61.354(c)(4), Regulation 2-6-409.2.2, 2-6-414)	Y	

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
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	
8-6-601	Efficiency and Rate Determination	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	1400F Minimum Operating Temperature and monitoring (2-6-503)	Y	
Part II.59	Submerged fill pipe and abatement requirements < cumulative increase, offsets, BACT, toxics>	Y	
Part II.59a	Monitoring for compliance with 8-6-306 for vapor tightness (2-6-503)	Y	
Part II.59b	Monitoring for compliance with 8-6-306 for leak-free equipment (2-6-503)	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	
8-6-601	Efficiency and Rate Determination	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	1400F Minimum Operating Temperature and monitoring (2-6-503)	Y	
Part II.62	Submerged fill pipe and abatement requirement (BACT, Cumulative Increase, offsets, toxics)	Y	
Part II.62a	Monitoring for compliance with 8-6-306 for vapor tightness (2-6-503)	Y	
Part II.62b	Monitoring for compliance with 8-6-306 for leak-free equipment (2-6-503)	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	

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
Part II.64b	Throughput limit	Y	

Table IV - J
Source-specific Applicable Requirements
S16, TRUCK LOADING RACKS, HEAVY VACUUM GAS 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

IV. Source Specific Applicable Requirements

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 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	1400F Minimum Operating Temperature and monitoring (2-6-503)	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 and Kerosene Throughput 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~~1/21/04)**		
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:	N	
8-10-302	Opening of Process Vessels	N	
8-10-401	Reporting	N	
8-10-501	Monitoring	N	
8-10-502	Concentration Measurement	N	
8-10-503	Records	N	
8-10-601	Monitoring Procedures	N	
SIP 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	**National Emission Standards for Hazardous Pollutants for**		

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
Subpart CC	**Petroleum Refining (6/23/03)**		
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 #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.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	

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 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	
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]	
BAAQMD Regulation 2, Rule 9	**Interchangeable Emission Reduction Credits (4/7/99)**		

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
2-9-301	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	
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	
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	

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
9-10-502.2	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	
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]	
9-10-502.2	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 (6/1/06)**		
60.11	Compliance with Standards and Maintenance Requirements	Y	
60.11(a)	Compliance determined by performance tests	Y	
60.11(d)	Control devices operated using good air pollution control practice	Y	
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	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
	non-opacity-measuring devices		
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	
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 (9/21/06)**		
Performance Specification 7	H2S continuous emission monitoring systems	Y	
40 CFR 60 Appendix F	**Quality Assurance Procedures (1/12/04)**		
Procedure 1	QA requirements for gas continuous emission monitoring systems	Y	
40 CFR 63	**National Emission Standards for Hazardous Pollutants for**		

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
Subpart CC	**Petroleum Refining (6/23/03)**		
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 #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.18	Cumulative Increase Monitoring (Cumulative Increase)	Y	
Part I.18a	NMHC and NOx estimates (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
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 2-9-303.4.1, 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 #21233			
Part 1	Affected sources, firing rates, use of ACP (9-10-301, 9-10-305, 2-9-303.4.1)	N	1/1/05
Part 2	O2 monitors and recorders (9-10-502)	N	1/1/05
Part 3	NOx box-operation (9-10-502)	N	1/1/05
Part 4	NOx box establishment (9-10-502)	N	1/1/05
Part 5	NOx box limits (9-10-502)	N	1/1/05
Part 6	NOx box deviations (9-10-502)	N	1/1/05
Part 7	Source tests for NOx and CO at maximum NOx (9-10-502)	N	1/1/05
Part 7a.2	Semi-annual tests at sources above 25 MMbtu/hr (9-10-502)	N	1/1/05
Part 7a.3	Source tests for shutdown sources	N	1/1/05
Part 7b	Source test results greater than NOx Box emission factor	N	1/1/05
Part 9	CO CEM requirement if 2 tests above 200 ppmv (9-10-502)	N	1/1/05
Part 10	Records of source test data (9-10-502)	N	1/1/05

[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 1	**General Provisions and Definitions (5/2/01)**		
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]	
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	
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	

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
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-310.3	Heat Transfer Operations	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	
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]	
9-10-502.2	Fuel flowmeters	Y[1]	
BAAQMD Condition #1240			
Part I.5	Asphalt plant Heat Input Limit (Cumulative Increase)	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
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 2-9-303.4.1, 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 #21233			
Part 1	Affected sources, firing rates, use of ACP (9-10-301, 9-10-305, 2-9-303.4.1)	N	1/1/05
Part 3	NOx box-operation (9-10-502)	N	1/1/05
Part 4	NOx box establishment (9-10-502)	N	1/1/05
Part 5	NOx box limits (9-10-502)	N	1/1/05
Part 6	NOx box deviations (9-10-502)	N	1/1/05
Part 7	Source tests for NOx and CO at maximum NOx (9-10-502)	N	1/1/05
Part 7a.1	Annual tests at sources below 25 MMbtu/hr (9-10-502)	N	1/1/05
Part 7a.3	Source tests for shutdown sources	N	1/1/05

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
Part 7b	Source test results greater than NOx Box emission factor	N	1/1/05
Part 10	Records of source test data (9-10-502)	N	1/1/05

[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 1	**General Provisions and Definitions (5/2/01)**		
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]	
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	

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
2-9-306	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	
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	
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 - 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]	
9-10-502.2	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 2-9-303.4.1, 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	

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
BAAQMD Condition #21233			
Part 1	Affected sources, firing rates, use of ACP (9-10-301, 9-10-305, 2-9-303.4.1)	N	1/1/05
Part 3	NOx box-operation (9-10-502)	N	1/1/05
Part 4	NOx box establishment (9-10-502)	N	1/1/05
Part 5	NOx box limits (9-10-502)	N	1/1/05
Part 6	NOx box deviations (9-10-502)	N	1/1/05
Part 7	Source tests for NOx and CO at maximum NOx (9-10-502)	N	1/1/05
Part 7a.1	Annual tests at sources below 25 MMbtu/hr (9-10-502)	N	1/1/05
Part 7a.3	Source tests for shutdown sources	N	1/1/05
Part 7b	Source test results greater than NOx Box emission factor	N	1/1/05
Part 10	Records of source test data (9-10-502)	N	1/1/05

[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]	
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	
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 Collection and Separation Systems (9/15/04)**		
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	

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
8-8-301.3	An organic compound vapor recovery system with a combined collection and destruction efficiency of at least 95 percent by weight.	N	
8-8-602	Determination of Emissions	N	
SIP Regulation 8, Rule 8	**Wastewater (Oil-Water) Separators (8/29/1994)**		
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	
8-8-602	Determination 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)**		
9-10-111	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	
9-10-504	Records	N	
9-10-504.2	Annual tune-ups	N	
9-10-505	Reporting Requirements	N	
9-10-505.1	Reports of violations of 9-10-301, 303, 304, 305, and/or 306, in writing within ninety-six (96) hours	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]	

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
40 CFR 60 Subpart A	**General Provisions (6/1/06)**		
60.11	Compliance with Standards and Maintenance Requirements	Y	
60.11(a)	Compliance determined by performance tests	Y	
60.11(d)	Control devices operated using good air pollution control practice	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. (10/15/03)**		
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 (10/17/00)**		
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 (12/4/03)**		
61.340(a)	Applicability	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
61.343(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)(ii)	Standards: Closed-Vent Systems and Control Devices; use of carseal in lieu of flow monitor	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	
61.355(i)	Performance test procedures	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)(3)	Requirements for performance tests	Y	
61.356(g)	Recordkeeping Requirements: Visual inspection per 61.343 through 61.347	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
61.356(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: periods when valve carseal is broken or bypass line position changed	Y	
61.356(j)(6)	Recordkeeping Requirements: Control device operation--Process Heater < 44 MW	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)(C)	Reporting Requirements: Quarterly report--Process Heater < 44 MW	Y	
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.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.10	Control requirement for S25 (Cumulative Increase)	Y	
Part II.32a	Requirement for control of S13 (8-5-306, NSPS, 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, toxics)		
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 for S63 (BACT)	Y	
Part II.43	Control Requirement for S3 (BACT, Cumulative Increase, offsets)	Y	
Part II.44	Vapor recovery and fugitive emission requirement for S3 (BACT, Cumulative Increase, offsets)	Y	
Part II.53	Fugitive emissions at vapor recovery equipment for S65 (BACT)	Y	
Part II.55	Control and Destruction Efficiency Requirements for S5-8, S37, S38, S70 (Cumulative Increase, Offsets)	Y	
Part II.56	Control and Destruction Efficiency Requirements for S51-53, S60, S65 (Cumulative Increase, Offsets)	Y	
Part II.57	Control and Destruction Efficiency Requirements for S61, 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)(1), 61.354(c)(4), 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 for S54 (Cumulative Increase)	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 for S66 (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	Y	
40 CFR 61 Subpart FF	**National Emission Standards for Benzene Waste Operations (12/4/03)**		
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	
61.349(a)(2)	Controlled by enclosed combustion device with greater than 95%	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
(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(f)(3)	Records of 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	

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 (6/23/03)**		
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	

IV. Source Specific Applicable Requirements

Table IV - R
Source-specific Applicable Requirements
S26, WASTEWATER TANK, ABATED BY PV VALVE

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	Y	
40 CFR 61 Subpart FF	**National Emission Standards for Benzene Waste Operations (12/4/03)**		
61.340(a)	Applicability: Chemical Manufacturing, Coke by-product recovery, petroleum refineries	Y	
61.342	Standards: General	Y	
61.342(e)	Standards: General; Alternative to 61.342(c) and 61.342(d)	Y	
61.342(e)(2)(i)	Standards: General; [Uncontrolled] 61.342(e)(2) Waste shall not contain more than 6.0 Mg/yr benzene	Y	
61.357	Reporting Requirements	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	
40 CFR 63 Subpart CC	**National Emission Standards for Hazardous Pollutants for Petroleum Refining (6/23/03)**		
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	Y	

IV. Source Specific Applicable Requirements

Table IV - R
Source-specific Applicable Requirements
S26, WASTEWATER TANK, ABATED BY PV VALVE

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

IV. Source Specific Applicable Requirements

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

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	
8-5-328	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	
8-5-605	Pressure-Vacuum Valve Gas Tight Determination	Y	
40 CFR 61 Subpart FF	**National Emission Standards for Benzene Waste Operations (12/4/03)**		
61.340(a)	Applicability: Chemical Manufacturing, Coke by-product recovery, petroleum refineries	Y	
61.342	Standards: General	Y	
61.342(e)	Standards: General; Alternative to 61.342(c) and 61.342(d)	Y	

IV. Source Specific Applicable Requirements

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

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	
61.357	Reporting Requirements	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	
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	Y	
40 CFR 61 Subpart FF	**National Emission Standards for Benzene Waste Operations (12/4/03)**		
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	

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
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(f)(3)	Records of 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	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
	heater		
40 CFR 63 Subpart CC	**National Emission Standards for Hazardous Pollutants for Petroleum Refining (6/23/03)**		
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 - 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	
8-6-601	Efficiency and Rate Determination	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	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
	(Cumulative Increase)		
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)(1), 61.354(c)(4), 2-6-409.2.2, 2-6-414)	Y	
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.72a	Monitoring for compliance with 8-6-306 for vapor tightness (2-6-503)	Y	
Part II.72b	Monitoring for compliance with 8-6-306 for leak-free equipment (2-6-503)	Y	
Part II.73	Vapor Pressure Requirement for Asphalt (Cumulative Increase, offsets, toxics)	Y	
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	
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)**		

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
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	
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	Y	
40 CFR 63 Subpart CC	**National Emission Standards for Hazardous Pollutants for Petroleum Refining (6/23/03)**		
63.646(b)(1)	Storage Vessel Provisions--Determine stored liquid % OHAP for group determination	Y	

IV. Source Specific Applicable Requirements

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
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	

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	Y	
40 CFR 63 Subpart CC	**National Emission Standards for Hazardous Pollutants for Petroleum Refining (6/23/03)**		
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	

IV. Source Specific Applicable Requirements

Table IV - AA
Source-specific Applicable Requirements
S41, WEMCO HYDROCLEANER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 8	**Wastewater Collection and Separation Systems (9/15/04)**		
8-8-303	Gauging and Sampling Devices	Y	
8-8-504	Portable Hydrocarbon Detector	Y	
8-8-601	Wastewater Analysis for Critical OCs	N	
8-8-602	Determination of Emissions	N	
8-8-603	Inspection Procedures	N	
SIP Regulation 8, Rule 8	**Wastewater (Oil-Water) Separators (8/29/1994)**		
8-8-601	Wastewater Analysis for Critical Organic Compounds	Y	
8-8-602	Determination of Emissions	Y	
8-8-603	Inspection Procedures	Y	
40 CFR 61 Subpart FF	**National Emission Standards for Benzene Waste Operations (12/4/03)**		
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	Y	

IV. Source Specific Applicable Requirements

Table IV - AA
Source-specific Applicable Requirements
S41, WEMCO HYDROCLEANER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	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		
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)(1)	Monitor thermal vapor incinerator temperature	Y	
61.354(c)(4)	Monitoring for a boiler or process heater having a design heat input	Y	

IV. Source Specific Applicable Requirements

Table IV - AA
Source-specific Applicable Requirements
S41, WEMCO HYDROCLEANER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	capacity less than 44 MW		
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	
40 CFR 63 Subpart CC	**National Emission Standards for Hazardous Pollutants for Petroleum Refining (6/23/03)**		
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	

IV. Source Specific Applicable Requirements

Table IV - AA
Source-specific Applicable Requirements
S41, WEMCO HYDROCLEANER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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)(1), 61.354(c)(4), 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	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	
40 CFR 60, Subpart UU	**Standards of Performance for Asphalt Processing and Asphalt Roofing Manufacture (10/17/00)**		
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 (6/23/03)**		
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)(1), 61.354(c)(4), 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	
BAAQMD	**Organic Compounds, Emulsified and Liquid Asphalts (6/1/94)**		

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
Regulation 8, Rule 15			
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)(1), 61.354(c)(4), 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 and Kerosene Throughput 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	Tanks larger than 75 m^3	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	

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
8-5-603.1	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. (10/15/03)**		
60.110b(a)	Applicability and Designation of Affected Facility; Volatile organic liquid storage vessels > or = to 75 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 (6/23/03)**		

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(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	
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.32e	Monitoring of fugitive emissions at closed vent system (2-6-503)	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)(1), 61.354(c)(4), 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	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	
40 CFR 60, Subpart UU	**Standards of Performance for Asphalt Processing and Asphalt Roofing Manufacture (10/17/00)**		
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 (6/23/03)**		
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)(1), 61.354(c)(4), 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	
8-5-111.4	Use of vapor recovery	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
8-5-111.5	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	Tanks larger than 75 m^3	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. (10/15/03)**		
60.110b(a)	Applicability and Designation of Affected Facility; Volatile organic liquid storage vessels > or = to 75 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 (6/23/03)**		
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.32e	Monitoring of fugitive emissions at closed vent system (2-6-503)	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)(1), 61.354(c)(4), , Regulation 2-6-409.2.2, 2-6-414)	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
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	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	
40 CFR 60, Subpart UU	**Standards of Performance for Asphalt Processing and Asphalt Roofing Manufacture (10/17/00)**		
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 (6/23/03)**		
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 – 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 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.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)(1), 61.354(c)(4), 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 Collection and Separation Systems (9/15/04)**		
8-8-114	Exemption, Bypassed Oil-Water Separator or Air Flotation Influent	Y	
8-8-301	Wastewater separators designed rated capacity greater than 760	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
	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.	N	
8-8-303	Gauging and Sampling Devices	Y	
8-8-501	API Separator or Air Flotation Bypassed Wastewater Records	N	
8-8-503	Inspection and Repair Records	Y	
8-8-504	Portable Hydrocarbon Detector	Y	
8-8-601	Wastewater Analysis for Critical OCs	Y	
8-8-602	Determination of Emissions	N	
8-8-603	Inspection Procedures	N	
SIP Regulation 8, Rule 8	**Wastewater (Oil-Water) Separators (8/29/1994)**		
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	
8-8-501	API Separator or Air Flotation Bypassed Wastewater Records	Y	
8-8-601	Wastewater Analysis for Critical Organic Compounds	Y	
8-8-602	Determination of Emissions	Y	
8-8-603	Inspection Procedures	Y	
40 CFR 61 Subpart FF	**National Emission Standards for Benzene Waste Operations (12/4/03)**		
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	

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
61.347(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	
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 tests	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
61.349(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	
40 CFR 63 Subpart CC	**National Emission Standards for Hazardous Pollutants for Petroleum Refining (6/23/03)**		
63.640(c)(3)	Wastewater steams associated with petroleum refining process units	Y	
63.640(o)(1)	Overlap: Sources subject to National Emission Standards for Hazardous Air Pollutants (MACT) Subpart CC and NSPS Subpart	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
	QQQ are only required to comply with Subpart CC provisions		
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)(1), 61.354(c)(4), 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 for S66 (BACT, cumulative increase, contemporaneous emission reductions)	Y	
Part II.86	Negative pressure and fugitive emission requirement for S66 (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 (12/4/03)**		
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)(1), 61.354(c)(4), 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	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	
40 CFR 60 Subpart UU	**Standards of Performance for Asphalt Processing and Asphalt Roofing Manufacture (10/17/00)**		
60.472(c)	Opacity standard	Y	
60.473(c)	Parametric monitoring	Y	
60.473(d)	Exemption from quarterly reports	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.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	

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
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)(1), 61.354(c)(4), 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 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. (4)	X	X				
S1, S2, S4, and S23 Crude Tankage feed piping to S18 Crude Unit. (4)	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, Truck Loading Rack - Heavy Vacuum Gas 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 excluding vacuum tower.	X	X		X(1)		X
S18 Vacuum Tower (T-2) overhead gas system	X	X				
S31, Rail Car Asphalt Loading Rack	X					
S54, Asphalt Loading Rack	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
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).
(4) Sources S1, S2, S4, and S23 Crude Storage Tanks are part of Facility B5574. Piping is part of facility A0901 as shown in Table IV-AM.
(5) Sources subject to BAAQMD Regulation 8-18 and 8-28 are also subject to any applicable requirements of SIP BAAQMD Regulation 8-18 and 8-28 when the SIP and BAAQMD versions of these two rules are not the same.

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 (9/5/04)**		
8-18-110	Exemption, Controlled Seal Systems and Pressure Relief Devices	N	
8-18-113	Limited Exemption, Initial Boiling Point	Y	
8-18-115	Limited Exemption, Storage Tanks	Y	
8-18-116	Limited Exemption, Vacuum Service	Y	
8-18-301	General Standard	Y	
8-18-302	Valves	N	
8-18-303	Pumps and compressors	N	
8-18-304	Connections	N	
8-18-304.1	Connection leak discovered by Valero	Y	
8-18-304.2	Connections subject to District-approved inspection program	N	
8-18-304.3	Connections subject to 8-18-306	N	
8-18-305	Pressure relief devices	Y	
8-18-306	Non-repairable equipment	N	
8-18-306.1	Repair at next scheduled turnaround or five years	N	
8-18-306.2	Percentage of equipment awaiting repair	N	
8-18-306.3	Non-repairable connections count as two valves	N	
8-18-306.4	Requirements for valves with major leaks (>=10,000 ppm)	N	
8-18-307	Liquid Leaks	Y	
8-18-401	Inspection	N	
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	N	
8-18-503	Reports	N	
8-18-601	Analysis of Samples	Y	
8-18-602	Inspection Procedure	Y	
8-18-603	Determination of Control Efficiency	N	
8-18-604	Determination of Mass Emissions	N	

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
SIP Regulation 8, Rule 18	**Organic Compounds-Equipment Leaks (6/5/2003)**		
8-18-110	Exemption, Controlled Seal Systems and Pressure Relief Devices	Y	
8-18-302	Valves	Y	
8-18-303	Pumps and compressors	Y	
8-18-304	Connections	Y	
8-18-304.2	Connections subject to District-approved inspection program	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	
8-18-401	Inspection	Y	
8-18-502	Records	Y	
8-18-603	Determination of Control Efficiency	Y	
8-18-604	Determination of Mass Emissions	Y	
Regulation 8, Rule 28	**Episodic Releases From Pressure Relief Devices at Petroleum Refineries and Chemical Plants (12/21/05)**		
8-28-111	Exemption, Evaporation Point	N	
8-28-112	Exemption, Storage Tanks	Y	
8-28-115	Exemption, Thermal Relief Valves	N	
8-28-303	Existing Pressure Relief Devices at Petroleum Refineries	N	
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	
8-28-404	Identification	N	
8-28-405	Process Safety Requirements	N	
8-28-405.1	Establish training, equipment, inspection, maintenance and monitoring requirement	N	
8-28-405.2	Implement at least 3 redundant Prevention Measrues using a Process Hazards Analysis	N	7/1/07
8-28-405.3	The Process Safety Requirments must be approved and signed	N	
8-28-405.4	The Process Safety Requirments must be submitted for review to the APCO		
8-28-406	Monitoring System Demonstration Report	N	6/1/07

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
8-28-407	Process Unit Identification Report	N	
8-28-502	Records	N	
8-28-503	Monitoring	N	
8-28-602	Determination of Control Efficiency	N	
SIP BAAQMD Regulation 8, Rule 28	**Episodic Releases From Pressure Relief Devices at Petroleum Refineries and Chemical Plnts (5/24/04)**		
8-28-111	Exemption, Evaporation Point	Y	
8-28-303	Pressure Relief Devices at Existing Sources at Petroleum Refineries	Y	
8-28-304	Repeat Releases - Pressure Relief Devices at Petroleum Refineries	Y	
8-28-401	Reporting at Petroleum Refineries and Chemical Plants	Y	
8-28-402	Inspection	Y	
8-28-403	Records	Y	
8-28-404	Identification	Y	
8-28-405	Prevention Measures Procedures	Y	
8-28-602	Determination of Control Efficiency	Y	
40 CFR 60 Subpart VV; BAAQMD Regulation 10-52	**Standards of Performance for Equipment Leaks (Fugitive Emission Sources) (12/14/00); 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	

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
60.482-7(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	
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 (12/4/03)**		
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	
61.349(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**	**N**	
40 CFR 63 Subpart CC	**National Emission Standards for Hazardous Air Pollutants from Petroleum Refineries (6/23/03)**		
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 for S63 (BACT)	Y	
Part II.53	Fugitive emissions at vapor recovery equipment for S65 (BACT)	Y	
Part II.86	Fugitive emissions at vapor recovery equipment for S66 (BACT)	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
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]	
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	
40 CFR 60 Subpart VV	**Standards of Performance for Equipment Leaks (Fugitive Emissions Sources) (12/14/2000)**		
60.480	Applicability and Designation of Affected Facility	Y	
60.482-1	Standards : General	Y	
60.482-10	Standards : Closed vent systems and control devices	Y	
60.482-10(a)	Standards : Closed vent systems and control devices ; comply with section 60.482-10	Y	
60.482-10(c)	Standards : Closed vent systems and control devices ; enclosed combustion device requirements	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
60.482-10(e)	Standards : Closed vent systems and control devices ; monitoring requirements	Y	
60.482-10(f)	Standards : Closed vent systems and control devices ; inspection requirements	Y	
60.482-10(f)(1)	Standards : Closed vent systems and control devices ; inspection requirements ; inspection requirements for hard-piped closed vent systems	Y	
60.482-10(g)	Standards : Closed vent systems and control devices ; leak repair requirements	Y	
60.482-10(h)	Standards : Closed vent systems and control devices ; delay of repair	Y	
60.482-10(j)	Standards : Closed vent systems and control devices ; exemptions for unsafe to repair	Y	
60.482-10(k)	Standards : Closed vent systems and control devices ; exemptions for difficult to repair	Y	
60.482-10(l)	Standards : Closed vent systems and control devices ; recordkeeping requirements	Y	
60.482-10(m)	Standards : Closed vent systems and control devices ; operate at all times when emissions are vented to them	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	
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	

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.19	1400F Minimum Operating Temperature and 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 for S18(Cumulative Increase)	Y	
Part II.59	Submerged fill pipe and abatement requirements for S14 (cumulative increase, offsets, BACT, toxics)	Y	
Part II.60	Destruction efficiency requirements for S14 (cumulative increase, offsets, BACT, toxics)	Y	
Part II.62	Submerged fill pipe and abatement requirement for S15 (BACT, Cumulative Increase, offsets, toxics)	Y	
Part II.63	Destruction efficiency requirements for S-15 (BACT, Cumulative Increase, offsets)	Y	
Part II.65	Control Requirement for S17 (Cumulative Increase)	Y	
Part II.68	Destruction Efficiency Requirement for S17 (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]	
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 Collection and Separation Systems (9/15/04)**		
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	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
	(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.	N	
8-8-602	Determination of Emissions	N	
SIP Regulation 8, Rule 8	**Wastewater (Oil-Water) Separators (8/29/1994)**		
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	
8-8-602	Determination of Emissions	Y	
40 CFR 60 Subpart A	**General Provisions (6/1/06)**		
60.11	Compliance with Standards and Maintenance Requirements	Y	
60.11(a)	Compliance determined by performance tests	Y	
60.11(d)	Control devices operated using good air pollution control practice	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. (10/15/03)**		
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	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
	and control device (not flare) operating plan copy		
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 (10/17/00)**		
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 (12/4/03)**		
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	

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
61.349(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	
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	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
	increase)		
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.10	Control Requirement for S25 (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 for S63 (BACT)	Y	
Part II.43	Control Requirement for S3 (BACT, Cumulative Increase, offsets)	Y	
Part II.44	Vapor recovery and fugitive emission requirement for S3 (BACT, Cumulative Increase, offsets)	Y	
Part II.53	Fugitive emissions at vapor recovery equipment for S65 (BACT)	Y	
Part II.55	Control and Destruction Efficiency Requirements for S5-S8, S37, S38, and S70 (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)(1), 61.354(c)(4), Regulation 2-6-409.2.2, 2-6-414)	Y	
Part II.66	Control Requirement for S31 (Cumulative Increase)	Y	
Part II.67	Control requirement for S54 (Cumulative Increase)	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
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)	[1]	
Part II.86	Fugitive emissions at vapor recovery equipment for S66 (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 - AQ
Source-specific Applicable Requirements
S71 EMERGENCY DIESEL POWERED AIR COMPRESSOR

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	
6-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions	Y	
BAAQMD · Regulation 9 Rule 1	**Inorganic Gaseous Pollutants, Sulfur Dioxide Emissions Limitations (3/15/1995)**		
9-1-304	Fuel Burning (Liquid and Solid Fuels)	Y	
BAAQMD · Regulation 9 Rule 8 ·	**Inorganic Gaseous Pollutants, NOX and CO from Stationary IC Engines (08/01/2001)**		
9-8-110.4	Exemptions: Emergency Standby Engines	Y	
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 (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	

IV. Source Specific Applicable Requirements

Table IV - AQ
Source-specific Applicable Requirements
S71 EMERGENCY DIESEL POWERED AIR COMPRESSOR

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Condition #18796			
Part 1	Sulfur content of fuel (Cumulative Increase)	Y	
BAAQMD Condition #22928			
Part 1	Operating for reliability-related activities is limited to 50 hours per year. (Basis: "Stationary Diesel Engine ATCM" section 93115, title 17, CA Code of Regulations, subsection (e)(2)(A)3)	Y	
Part 2	Equipment Requirements (Basis: "Stationary Diesel Engine ATCM" section 93115, title 17, CA Code of Regulations)	Y	
Part 3	Recordkeeping ((Basis: "Stationary Diesel Engine ATCM" section 93115, title 17, CA Code of Regulations, Regulation 1-441))	Y	

V. SCHEDULE OF COMPLIANCE

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

VI. PERMIT CONDITIONS

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

Condition #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 and S71, Energency Diesel-powered Air Compressor. (cumulative increase) (modified 8/12/99, 4/24/02, 4/19/06)

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 the H2S concentration limitation specified in NSPS 40 CFR 60 Subpart J. (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 shall not exceed the limits listed below:
a. Non-Methane Hydrocarbons..... 42.705 tons/yr
b. Sulfur Dioxide, SO2..... .. 28.049 tons/yr
c. Nitrogen Oxides, as NO2..... 40.047 tons/yr
(Cumulative Increase)

15. Asphalt plant wastewater 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 the NOx limit in part I.8 of this condition, and the CO limit in parts I.5b and I.5c of this condition.

VI. Permit Conditions

The source test shall be performed at the highest duty possible for the prevailing process conditions. 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 45 days from the date of the source test. (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 45 days from the date of the source test. (Cumulative Increase, Toxics)

17. A/C source test condition, deleted.

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 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: S3, S5S9, S13, 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

VI. Permit Conditions

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 and S71. 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 and S71. 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 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 Owner/Operator shall install continuous temperature monitoring and recording device for A4, Thermal Oxidizer. The Owner/Operator shall operate A4 Thermal Oxidizer at a minimum temperature of 1400F. (Source Test requirement completed May 20, 2004 and minimum operating temperature added per Application 11815.) (2-6-503)

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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)

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. Deleted Application 9297

II. TANKAGE AND LOADING RACK CONDITIONS:

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1. Deleted in Revision 2. Ownership of S2 transferred to Facility B5574 by Application No. 7980/8915.

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)

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

Conditions 11-24 Deleted in Revision 2. Ownership of S1, S2, S4, and S23 transferred to Facility B5574 by Application No. 7980/8915.
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

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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)

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

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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 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

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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)

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

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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
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)

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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

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

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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

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

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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 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

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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 Owner/Operator shall install and properly maintain continuous temperature monitoring and recording devices for A31, Thermal Oxidizer and S24, Hot Oil Heater. The Owner/Operator shall operate A-31 with a minimum combustion zone temperature of 1400F to maintain a 98.5% destruction efficiency. The Owner/Operator shall operate S-24 at a minimum operating temperature of 1115F to maintain a 98.5% destruction efficiency when S-24 is operated in abatement service. (Source Test Requirements demonstrating compliance with the 98.5% abatement destruction efficiency and the Regulation 6-310 grain loading requirements were completed February 28 and 29, 2004.) (Applications 12704 for A-31 and Application 12236 for S-24 have been submitted for the Title V permit revisions) (Basis: 40 CFR 60.113b(c)(1)(ii) and 60.113b(c)(2); 40 CFR 60.473c; 40 CFR 61.354(c)(1); 40 CFR 61.354(c)(4), 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)

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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 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)

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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

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 or S24 Hot Oil Heater H-3

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 or S24 Hot Oil Heater H-3 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 or S24 Hot Oil Heater H-3 with a destruction efficiency of at least 98.5%, by weight, as measured across A31 or S24. (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).

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(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 except for 5,500 Barrels per year of kerosene when required to produce medium-cure cutback asphalt products. (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. (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.

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78. Deleted May, 2001.

79. Deleted May, 2001.

80. Deleted May, 2001.

81. Deleted May, 2001.

82. Deleted May, 2001.

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 equipped with a gasketted, vapor tight cover (as defined in Regulation 8, Rule 8). Each cover and access opening shall be kept closed and sealed except when the opening is being used for inspection, maintenance, or wastewater sampling. (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

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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)

89. Deleted 2001.

S16 Truck Loading Rack-Heavy Vacuum Gas Oil

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

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site, and shall be made available to the District staff on request. (cumulative increase)

III. MARINE OPERATIONS CONDITIONS-S30, Part 1 through 9, deleted because S30 was not in service since April 5, 2005
(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 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

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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 and S71, Emergency Diesel-powered Firewater Pump and Air Compressor

*1. The engine for emergency firewater pump S-68 and the engine for emergency air compressor S71 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# 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:

*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

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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, 14.7 MMBtu/Hr
S-21 Steam Boiler: H-2B, 14.7 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)

*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)

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)

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

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Regulation 1-301 (Basis: Regulation 1)

5. Deleted 2004 reopening.

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
   b. Deleted 2004 reopening.
   c. The daily throughput of product 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 20762
For Refinery and Asphalt Plant:

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

1. Whenever the type of organic liquid in the tank is changed, the owner/operator shall verify that the true vapor pressure at the storage temperature is less than or equal to 25.8 mm Hg (0.5 psia). The owner/operator shall use Lab Method 28 from Volume III of the District's Manual of Procedures, Determination of the Vapor Pressure of Organic Liquids from Storage Tanks. For materials listed in Table 1 of Regulation 8 Rule 5, the owner/operator may use Table 1 to determine vapor pressure, rather than Lab Method 28. If the results are above 25.8 mm Hg (0.5 psia), the owner/operator shall report non-compliance in accordance with Standard Condition I.F and shall submit an application to the District for a new permit to operate for the tank as quickly as possible. (Basis: Regulation 8-5-117)

2. Whenever the type of organic liquid in the tank is changed to a liquid with the true

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vapor pressure at the storage temperature greater than 25.8 mm Hg (0.5 psia), the owner/operator shall comply with all the requirements of Regulation 8-5 prior to making the change. (Basis: Regulation 8, Rule 5)

3. The results of the testing shall be maintained in a District-approved log for at least five years from the date of the record, and shall be made available to District staff upon request. (Basis: 8-5-117)

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Condition 21233

Valero Refining Company – California
3400 E. Second Street
Benicia, Ca 94510
Application 11307 (B2626)
Application 11356 (A0901, 13193)
S-20 (B2626) Modified by Application 12701
S-19 (A0901) Modified by Application 13011 and 15805
Plant B2626 and A0901
Regulation 9-10 Refinery-Wide Compliance

*1. The following sources are subject to the refinery-wide NOx emission rate and CO concentration limits in Regulation 9-10: (Basis: Regulation 9-10-301 & 305)

Facility No. B2626, Valero Refining Company

S#	Description	NOx CEM
7	F-103 Jet Fuel HF, 53 MMBtu/hr	No
20	F-104 Naphtha HF, 62 MMBtu/hr	No
21	F-301 Hydrogen, 614 MMBtu/hr	Yes
22	F-351 Hydrogen, 614 MMBtu/hr	Yes
23	F-401 Gas Oil HC, 200 MMBtu/hr	Yes
24	F-601 Cat Feed HF, 33 MMBtu/hr	No
25	F-701 Cat Feed, 230 MMBtu/hr	Yes
26	F-801 HCN HF, 33 MMBtu/hr	No
30	F-2901 PFR Preheat, 463 MMBtu/hr total	Yes
31	F-2902 PFR Preheat, 463 MMBtu/hr total	Yes
32	F-2903 PFR Preheat, 463 MMBtu/hr total	Yes
33	F-2904 PFR Preheat, 463 MMBtu/hr total	Yes
34	F-2905 PFR Regen Gas, 74 MMBtu/hr	No
35	F-2906 PFR React Gas, 14 MMBtu/hr	No
40	SG-2301 Steam Gen, 218 MMBtu/hr	Yes
41	SG-2302 Steam Gen, 218 MMBtu/hr	Yes
173	F-902 Coker Steam Superheat, 20 MMBtu/hr	No
220	F-4460 MRU Hot Oil, 351 MMBtu/hr	Yes

Facility No. A0901 (13193), Valero Benicia Asphalt Plant

S#	Description	NOx CEM
19	Vacuum Heater, 40 MMBtu/hr	No
20	Steam Boiler, 14.7 MMBtu/hr	No
21	Steam Boiler H-2B, 14.7 MMBtu/hr	No

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A. Compliance with the daily refinery wide average NOx emission limit, 0.033 lb NOx/MMBtu fired duty is achieved through the use of an approved Alternate Compliance Plan using NOx IERCs in accordance with the provisions in Regulation 2-9-303.

B. The owner/operator of each source listed in Part 1 above shall determine compliance with Regulation 9-10 as follows:

1) Calculate NOx emissions from each furnace using measured fuel gas rates, and either:

   a. CEM data or

   b. NOx emission factors from Part 5A

2) The daily refinery wide average emission rate shall be determined by dividing the combined total emissions from sources listed in Part 1 above by the combined total heat input.

3) Sufficient NOx IERC's will be provided in accordance with the provisions of Regulation 2-9-303 to ensure compliance with the refinery wide average NOx emission limit of 0.033 lb NOx/MMBtu fired duty.

*2. The Owner/Operator of each source with a maximum firing rate greater than 25 MMBtu/hr listed in Part 1 shall properly install, properly maintain, and properly operate an O2 monitor and recorder. (Basis: Regulation 9-10-502)

*3. The Owner/Operator shall operate each source listed in Part 1, which does not have a NOx CEM, within specified ranges of operating conditions (firing rate and oxygen content) as detailed in Part 5. The ranges shall be established by utilizing data from District-approved source tests. (Basis: Regulation 9-10-502)

A. The NOx Box for units with a maximum firing rate of 25 MMBtu/hr or more shall be established using the procedures in Part 4.

B. The NOx Box for units with a maximum firing rate less than 25MMBtu/hr shall be established as follows: High-fire shall be the maximum rated capacity. Low-fire shall be 20% of the maximum rated capacity (except for S-35, for which the low-fire shall be 8% of the maximum rated capacity). There shall be no maximum or minimum O2.

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*4. The Owner/Operator shall establish the initial NOx box for each source subject to Part 3 by December 1, 2005. The NOx Box may consist of two operating ranges in order to allow for operating flexibility and to encourage emission minimization during standard operation. (Basis: Regulation 9-10-502) The procedure for establishing the 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 ranges for the furnace;

B. Determine the minimum and maximum oxygen concentrations and firing rates for the desired operating ranges (Note that the minimum O_2 at low-fire may be different than the minimum O_2 at high-fire. The same is true for the maximum O_2). The Owner/Operator shall also verify the accuracy of the O2 monitor on an annual basis.

C. Determine the highest NOx emission factor (lb/MMBtu) over the preferred operating ranges while maintaining CO concentration below 200 ppm; the Owner/Operator may choose to use a higher NOx emission factor than tested.

D. Plot the points representing the desired operating ranges on a graph. The resulting polygon(s) are the NOx Box, which represents the allowable operating range(s) for the furnace under which the NOx emission factor from part 5a is deemed to be valid.

1). The NOx Box can represent/utilize either one or two emission factors.

2) The NOx Box for each emission factor can be represented either as a 4- or 5-sided polygon The NOx box is the area within the 4- or 5-sided polygon formed by connecting the source test parameters that lie about the perimeter of successful approved source tests. The source test parameters forming the corners of the NOx box are listed in Part 5.

E. Upon establishment of each NOx Box, the Owner/Operator shall prepare a graphical representation of the box. The representation shall be made available on-site for APCO review upon request. The box shall also be submitted to the BAAQMD with permit amendments.

*5. Except as provided in part 5B & C, the Owner/Operator shall operate each source within the NOx Box ranges listed below at all times of operation. This part shall not

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apply to any source that has a properly operated and properly installed NOx CEM. (Basis: Regulation 9-10-502)

A. NOx Box ranges. The limits listed below are based on a calendar day averaging period for both firing rate and O2%.

Source No.	Emission Factor (lb/MMBtu)	Min O_2 at Low Firing (O2% , MMBtu/hr)	Max O_2 at Low Firing (O2% , MMBtu/hr)	Min O_2 at High Firing (O2% , MMBtu/hr)	Mid O_2 at Mid/High Firing (polygon) (O2% , MMBtu/hr)	Max O_2 at High Firing (O2% , MMBtu/hr)
Plant 12626						
7	0.35	3, 16	17, 10	6, 30	N/A	11, 38
20	0.28	2, 19	12, 23	2, 37	2, 50	5, 47
24	0.757	11,7	14, 8	3, 27	6, 12	7, 29
26	0.194	13, 9	17, 7	6, 21	8, 17	12, 24
34	0.250	17, 2	20, 2	4, 26	N/A	7, 38
35	0.200	(Note 1), 1	(Note 1), 1	(Note 1), 14	N/A	(Note 1), 14
173	0.050	(Note 1), 4	(Note 1), 4	(Note 1), 20	N/A	(Note 1), 20
Plant A0901 (13193)						
S-19	0.030	5.0, 14.29	7.6, 13.5	2.8, 38.5	7.7, 16.6	6.2, 38.8
S-20	0.055	(Note 1), 2.9	(Note 1), 2.9	(Note 1), 14.7	N/A	(Note 1), 14.7
S-21	0.055	(Note 1), 2.9	(Note 1), 2.9	(Note 1), 14.7	N/A	(Note 1), 14.7

Note 1: Per Part 3B, Oxygen limits do not apply to sources with maximum firing rates less than 25 MMBtu/hr.

B. Part 5A does not apply to low firing rate conditions (i.e., firing rate less than or equal to 20% of the unit's rated capacity), during startup or shutdown periods, or periods of curtailed operation (ex. during heater idling, refractory dry out, etc.) lasting 5 days or less. During these conditions the means for determining compliance with the refinery wide limit shall be accomplished using the method described in 9-10-301.2 (i.e. units out of service & 30-day averaging data).

C. Part 5A does not apply during any source test required or permitted by this condition. See Part 7 for the consequences of source test results that exceed the emission factors in Part 5.

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*6. NOx Box Deviations (Basis: Regulation 9-10-502) .

A. The Owner/Operator may deviate from the NOx Box (either the firing rate or oxygen limit) provided that the Owner/Operator conducts a District approved source test that reasonably represents the past operation outside of the established ranges. The source test representing the new conditions shall be conducted no later than the next regularly scheduled source test period, or within eight months, whichever is sooner. The source test results will establish whether the source was operating outside of the emission factor utilized for the source. The source test results shall be submitted to the District Source Test Manager within 45 days of the test. The Owner/Operator may request, and the APCO may grant, an extension of 15 days for submittal of results. As necessary, a permit amendment shall be submitted.

1. Source Test ≤ Emission Factor

   If the results of this source test do not exceed the higher NOx emission factor in Part 5, or the CO limit in Part 9, the unit will not be considered to be in violation during this period for operating out of the "box."

   The facility may submit an accelerated permit program permit application to request an administrative change of the permit condition to adjust the NOx Box operating range(s), based on the new test data.

2. Source Test > Emission Factor

   If the results of this source test exceed the permitted emission concentrations or emission rates then the actions described below must be followed:

   a. Utilizing the measured emission concentration or rate, the Owner/Operator shall perform an assessment of compliance with Regulation 9-10-301 as follows:

      1. "Out of Box" Condition – for the day(s) in which the "out of box" condition(s) occurred, the Owner/Operator shall ensure sufficient NOx IERCs are provided to ensure the facility is in compliance with the refinery wide limit. The Owner/Operator will be in violation of Regulation 9-10-301 for each day there are insufficient NOx IERCs provided to bring the refinery wide average into compliance with

VI. Permit Conditions

Regulation 9-10-301.

2. Within the Box – for the case when the source is operated within the "box" but source test results indicate a higher emission factor, the Owner/Operator shall apply the higher emission factor retroactively to the date of the previous source test and provide sufficient NOx IERCs for that time period to ensure the facility is in compliance with the refinery wide limit specified in Regulation 9-10-301. The Owner/Operator will be in violation of Regulation 9-10-301 for each day there are insufficient NOx IERCs provided to bring the refinery wide average into compliance with Regulation 9-10-301.

b. The facility may submit a permit application to request an alteration of the permit condition to change the NOx emission factor and/or adjust the operating range, based on the new test data.

B. Reporting. The Owner/Operator must report conditions outside of box within 96 hours of occurrence.

*7. For each source subject to Part 3, the Owner/Operator shall conduct source tests on the schedule listed below. The source tests are performed in order to measure NOx, CO, and O2 at the as-found firing rate, or at conditions reasonably specified by the APCO. The source test results shall be submitted to the District Source Test Manager within 45 days of the test. The Owner/Operator may request, and the APCO may grant, an extension of 15 days for submittal of results. (Basis: Regulation 9-10-502)

A. Source Testing Schedule

1) Heater < 25 MMBtu/hr

Annual source test. The time interval between source tests shall not exceed 16 months. The source test results shall be submitted to the District Source Test Manager within 45 days of the test.

2) Heaters ≥ 25 MMBtu/hr

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Two source tests per consecutive 12 month period. 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 45 days of the test.

3) If a source has been shutdown longer than the period allowed between source testing periods (e.g. <25 MMBtu/hr - > 16 mos or > 25 MMBtu/hr - > 8 mos), the owner/operator shall conduct the required source test within 30 days of start up of the source.

B. Source Test Results > NOx Box Emission Factor

If the results of any source test under this part exceed the permitted concentrations or emission rates the Owner/Operator shall follow the requirements of Part 6A2. If the Owner/Operator chooses not to submit an application to revise the emission factor, the Owner/Operator shall conduct another Part 7 source test, at the same conditions, within 90 days of the initial test.

*8. For each source listed in Part 1 with a NOx CEM installed that does not have a CO CEM installed pursuant to Part 9, the Owner/Operator shall conduct semi-annual District approved CO source tests at as-found conditions. The time interval between source tests shall not exceed 8 months. District conducted CO emission tests associated with District-conducted NOx CEM field accuracy tests may be substituted for the CO semi-annual source tests. (Basis: Regulation 9-10-502)

*9. For any source listed in Part 1 with a maximum firing limit greater than 25 MMBtu/hr for which any two source test results over any consecutive five year period are greater than or equal to 200 ppmv CO at 3% O2, the Owner/Operator shall properly install, properly maintain, 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. (Basis: Regulation 9-10-502, 1-522)

*10. In addition to records required by Regulation 9-10-504, the Owner/Operator must maintain records of all source tests conducted to demonstrate compliance with Parts 1 and 5. 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. (Basis:

VI. Permit Conditions

Regulation 9-10-504)

Condition 22928

The following permit condition will apply to S-71:

Valero Benicia Asphalt Plant
Plant 13193
S-71, Diesel Emergency Air Compressor, Caterpillar 3054C, 108 BHP,
abated by A-71, Catalyzed Diesel Particulate Filter, CleanAIR Systems

1. The owner or operator shall operate S-71, stationary emergency standby engine, only to mitigate emergency conditions or for reliability-related activities (maintenance and testing). Operating while mitigating emergency conditions and while emission testing to show compliance with this part is unlimited. Operating for reliability-related activities is limited to 50 hours per year.
(Basis: "Stationary Diesel Engine ATCM" section 93115, title 17, CA Code of Regulations, subsection (e)(2)(A)3)

2. The owner/operator shall equip S-71 emergency standby engine(s) with:
a. a non-resettable totalizing meter, with a minimum display capability of 9,999 hours, that measures the hours of operation for the engine; and
b. a Diesel particulate filter backpressure monitor that notifies the owner/operator that the backpressure limit of the engine is approached.
(Basis: "Stationary Diesel Engine ATCM" section 93115, title 17, CA Code of Regulations)

3. Records: The owner/operator shall maintain the following monthly records in a District-approved log for at least 60 months from the date of entry. Log entries shall be retained on-site, either at a central location or at the engine's locations, and made immediately available to the District staff upon request.
a. Hours of operation (emergency).
b. Hours of operation (maintenance and testing).
c. Hours of operation for emission testing to show compliance with emission limits.
d. Initial Startup hours.
e. For each emergency, the nature of the emergency condition.
f. Hours of operation for any use other than those specified in 3a through 3d above.
g. CARB Certification Executive Order for the engine.
(Basis: "Stationary Diesel Engine ATCM" section 93115, title 17, CA Code of Regulations, Regulation 1-441)

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 < 40.047 tons per year	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
Ambient H2S					Procedures, Volume VI and SIP Manual of Procedures, Volume VI		
		Y		Refinery MACT Startup, Shutdown, Malfunction Report	40 CFR 63.654(h)(1)	P/SA	Report
		Y		Refinery MACT Periodic Report	40 CFR 63.654(g)	P/SA	Report
Benzene		Y		Benzene Waste NESHAP Annual Report	40 CFR 61.357(d)(2)	P/A	Report
Benzene		Y		Benzene Waste NESHAP Quarterly Report	40 CFR 61.357(d)(7)	P/Q	Report
Benzene	40 CFR 61.346(b)(1)	Y		Benzene Waste NESHAP quarterly visual inspection of water seals on drains	40 CFR 61.346(b)(4)(i)	P/Q	Visual Inspection
Benzene	40 CFR 61.346(b)(2)(i)	Y		Benzene Waste NESHAP quarterly visual inspection of tight seals on junction boxes	40 CFR 61.346(b)(4)(iii)	P/Q	Visual Inspection
Benzene	40 CFR 61.346(b)(3)	Y		Benzene Waste NESHAP quarterly visual inspection for cracks in exposed sewer lines	40 CFR 61.346(b)(4)(iv)	P/Q	Visual Inspection
SO2	BAAQMD Condition 1240, part I.14	Y		Emissions of SO2 < 28.049 tons per year	None	N	N/A
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

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
	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 61.342(e)(2)(i)	Y		Uncontrolled benzene < 6 megagrams/year	40 CFR 61.357(d)(5)	P/A	Report
Benzene in Waste	40 CFR 61.345(b)	Y		Visual inspection of container covers	40 CFR 61.345(b)	P/Q	Visual Inspection
Vapor Pressure	BAAQMD Regulation 8-5-117	Y		True vapor pressure not greater than 0.5 psia if operating in exempt service	BAAQMD Regulation 8-5-501.1	P/E	Record
Vapor Pressure	BAAQMD Condition 20762, part 1	Y		True vapor pressure not greater than 0.5 psia if operating in exempt service	BAAQMD Condition 20762, parts 1 and 3	P/E	Record or Laboratory Sample Test
Vapor Pressure	40 CFR 60.110b(b)	Y		True vapor pressure not greater than 0.5 psia if operating in exempt service	None	N	N/A
VOC	BAAQMD Condition 1240, part I.14	Y		Emissions of NMHC < 42.705 tons per year	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
VOC	BAAQMD 8-8-312	N		Controlled WW collection system components: vapor tight	BAAQMD 8-8-402.4 8-8-504 8-8-603	P/SA	Method 21
VOC	BAAQMD 8-8-402.2	N		WW collection system components; vapor tight	BAAQMD 8-8-402.2	Initial Inspection	Method 21

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
					8-8-504 8-8-603		
VOC	BAAQMD 8-8-313.2	N		Uncontrolled WW collection system components; vapor tight	BAAQMD 8-8-313.2 8-8-402.3 8-8-504 8-8-603	P/SA	Method 21
VOC	BAAQMD 8-8-313.2	N		Uncontrolled WW collection system components; not vapor tight on regular semi-annual inspection	BAAQMD 8-8-313.2 8-8-402.3 8-8-504 8-8-603	P/ Reinspect within 30 days of discovery and every 30 days until controlled or returned to semi-annual inspection schedule	Method 21
VOC	BAAQMD 8-8-312 8-8-313.2 8-8-402.1	N		Wastewater Inspection and Maintenance Plan Records	BAAQMD 8-8-505	P/E Each inspection and repair	Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – B
Applicable Limits and Compliance Monitoring Requirements
S1, S2, S4, S23- CRUDE STORAGE TANKS
(DELETED IN REVISION 2. OWNERSHIP OF S1, S2, S4, AND S23 TRANSFERRED TO FACILITY B5574 BY APPLICATION NO. 7980/8915)

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 < 42.705 tons per year	BAAQMD Condition 1240, parts I.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
	BAAQMD Condition 1240, part II.44	Y		Fugitive emissions at vapor recovery system (S24 or A31) shall not exceed 100 ppmv	BAAQMD 8-18-116	NA	None

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 < 42.705 tons per year	BAAQMD Condition 1240, parts I.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	Y		Complying tank fittings	BAAQMD 8-5-402.3	P/SA	Visual inspection
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 8-5-320.3.2	Y		No visible gaps for inaccessible openings	BAAQMD 8-5-402.3	P/SA	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 < 1.3 cm	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 8-5-402.1	P/every 10 years	Primary seal inspection
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

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 8-5-321.3.2	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	Visual 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, 8-5-320.4.3	Y		Cumulative length of all secondary seal gaps > 0.125 in. < 5% of circumference, including gaps between roof and sampling wells	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, 8-5-320.4.3	Y		Cumulative length of all secondary seal gaps > 0.02 in. < 5% of circumference excluding gaps < 1.79 in. from vertical seams and gaps between roof and sampling wells	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		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

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
	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
VOC	BAAQMD Condition 1240, part I.14	Y		Emissions of NMHC < 42.705 tons per year	BAAQMD Condition 1240, parts I.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

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 61.343(a)(1)(i)(B)	Y		Tank openings maintained in closed and sealed position	40 CFR 61.343(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 61.355(h)	P/A	Method 21 Inspection
	40 CFR 61.349(g)	Y		First effort to repair visible defects within 5 days after detection; repair complete within 15 days except as allowing by 40 CFR 61.350	40 CFR 61.349(f)	P/Q	Visual inspection
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 < 42.705 tons per year	BAAQMD Condition 1240, parts I.18a, I.18e and I.18j	P/SA	Calculations

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 8-5-303.1	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	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 < 42.705 tons per year	BAAQMD Condition 1240, parts I.18a, I.18c and I.18j	P/SA	Calculations

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
	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
	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

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 II.59a	P/Q	Method 21

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 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.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 II.59b	P/Q	Inspection
VOC	BAAQMD Condition 1240, part I.14	Y		Emissions of NMHC < 42.705 tons per year	BAAQMD Condition 1240, parts I.18a, I.18d and I.18j	P/SA	Calculations
	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 II.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 II.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 < 42.705 tons per year	BAAQMD Condition 1240, parts I.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 RACK, HEAVY VACUUM 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 Condition 1240, part I.14	Y		Emissions of NMHC < 42.705 tons per year	BAAQMD Condition 1240, parts I.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 < 42.705 tons per year	BAAQMD Condition 1240, parts I.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, except allowable kerosene	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	N		Abatement of emissions from process vessel depressurization is required until pressure is reduced to less than 1000 mm Hg	BAAQMD 8-10-501 and 8-10-503	P/E (prior to opening vessel and daily during time vessel is open to atmosphere)	Method 21 and records of measured hydrocarbon concentration emissions and mass emission calculations.
VOC	SIP 8-10-301	Y		Abatement of emissions from process vessel depressurization is required until pressure is reduced to less than 1000 mm Hg	SIP 8-10-401	P/E	Records of hydrocarbon concen-tration and emissions
VOC	BAAQMD 8-10-302	N		No process vessel may be opened to atmosphere unless organic compounds have been reduced to less than 10,000 ppm (methane). A refinery vessel may exceed this limit provided total number of such vessels does not exceed 10% of total vessel population over 5-consecutive year period and total mass organic compound emissions are less than 15 lb/day.	BAAQMD 8-10-501 and 8-10-503	P/E (prior to opening vessel and daily during time vessel is open to atmosphere)	Method 21 and records of measured hydrocarbon concentration emissions and mass emission calculations.

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
	BAAQMD Condition 1240, part I.14	Y		Emissions of NMHC < 42.705 tons per year	BAAQMD Condition 1240, parts I.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 63.643(a)(2)	Y		Reduce HAPs by 98% or to 20 ppm @ 3% oxygen	40 CFR 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/D	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 #21233, part 7a.2 (condition effective 1/1/05)	P/SA	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 #21233 (condition effective 1/1/05)	P/D	Emission calculations using emission factors, fuel meter, and O2 meter data
	BAAQMD 9-10-303	N		Refinery-wide emissions (excluding CO boilers): 0.20 lb NOX/MMbtu, operating day average	BAAQMD 9-10-502.1, Condition #~~20617~~21233, part 7a.2	P/SA	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 Condition #~~20617~~21233, part 7a.2	P/SA	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 1240, part I.8	Y		25 ppmv (dry, 3% O2, one hour average)	9-10-502 and BAAQMD Condition 1240, part I.16a	P/SA	Source test
NOX	BAAQMD Condition 1240, part I.14	Y		Emissions of NOX < 40.047 tons per year	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 #21233, part 5	Y		No limit (limit to be established by 1/1/05)	BAAQMD Condition #21233, part 2 (condition effective 1/1/05)	C	Oxygen analyzer
CO	BAAQMD 9-10-305	N		400 ppmv (dry, 3% O_2), operating day average	BAAQMD 9-10-502 and BAAQMD Condition 21233, part 7.a.2	P/SA	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/SA	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/SA	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 #21233, part 9 (condition effective 1/1/05)	Y		200 ppmv (dry, 3% O_2), operating day average or installation of a CO CEM	BAAQMD Condition #21233, part 7.a.2 (condition effective 1/1/05)	P/SA	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 I.11	Y		Fuel gas H2S concentration limited to 162 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
	BAAQMD Condition 1240, part I.14	Y		Emissions of SO2 < 28.049 tons per year	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

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
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 < 42.705 tons per year	BAAQMD Condition 1240, parts I.18a, I.18f and I.18j	P/SA	Calculations
HAP	40 CFR 63.643(a)(2)	Y		Reduce HAPs by 98% or to 20 ppm @ 3% oxygen	40 CFR 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 21233, part 7.a.1 (condition effective 1/1/05)	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 21233 (condition effective 1/1/05)	P/D	Emission calculations using emission factors and fuel meter
	BAAQMD 9-10-303	N		Refinery-wide emissions (excluding CO boilers): 0.20 lb NOX/MMbtu, operating day average	BAAQMD 9-10-502.1, Condition 21233, part 7.a.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 Condition #~~20617~~21233, part 7.a.1	P/A	Source test

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 Condition 1240, part I.14	Y		Emissions of NOX < 40.047 tons per year	BAAQMD Condition 1240, parts I.18a, I.18h and I.18j	P/SA	Calculations
CO	BAAQMD 9-10-305	N		400 ppmv (dry, 3% O_2) on an operating day average	BAAQMD 9-10-502 & BAAQMD Condition 21233, part 7.a.1 (condition effective 1/1/05)	P/A	Source test
SO2	BAAQMD Condition 1240, part I.14	Y		Emissions of SO2 < 28.049 tons per year	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 < 42.705 tons per year	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

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 21233, part 7.a.1 (condition effective 1/1/05)	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 21233 (condition effective 1/1/05)	P/D	Emission calculations using emission factors and fuel meter

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 9-10-303	N		Refinery-wide emissions (excluding CO boilers): 0.20 lb NOX/MMbtu, operating day average	BAAQMD 9-10-502.1, Condition 21233, part 7.a.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 Condition #~~20617~~21233, part 7.a.1	P/A	Source test
NOX	BAAQMD Condition 1240, part I.14	Y		Emissions of NOX < 40.047 tons per year	BAAQMD Condition 1240, parts I.18a, I.18h and I.18j	P/SA	Calculations
CO	BAAQMD 9-10-305	N		400 ppmv (dry, 3% O_2), operating day average	BAAQMD 9-10-502 & BAAQMD Condition #21233, part 7.a.1 (condition effective 1/1/05)	P/A	Source test
SO2	BAAQMD Condition 1240, part I.14	Y		Emissions of SO2 < 28.049 tons per year	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

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
VOC	BAAQMD Condition 1240, part I.14	Y		Emissions of NMHC < 42.705 tons per year	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
	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	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	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 (from S13, S59, S63)	BAAQMD Condition 1240, part II.58b	C	Temperature monitoring
	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 and SIP 8-8-301.3	Y		95% combined collection and destruction efficiency	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 organic vapors (from S13, S59, S63)	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 61.355(h)	P/A	Method 21 Inspection
	40 CFR 61.349(g)	Y		First effort to repair visible defects within 5 days after detection; repair complete within 15 days except as allowing by 40 CFR 61.350	40 CFR 61.349(f)	P/Q	Visual inspection
VOC	40 CFR 61.349(a)(2)(i)(A)	Y		95% reduction of organic vapors (from S12, S25, S28, S41, S66)	40 CFR 61.354(c)(4)	C	Temper-ature measure-ment
VOC	BAAQMD Condition 1240, part I.14	Y		Emissions of NMHC < 42.705 tons per year	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% destruction of vapors by weight (from S13, S59, S63)	BAAQMD Condition 1240, part II.58b	C	Temperature monitoring
VOC	BAAQMD Condition 1240, part II.32d	Y		S63, Fugitive emissions at vapor recovery system (S24 or A31) shall not exceed 100 ppmv	BAAQMD 8-18-116	NA	None
	BAAQMD Condition 1240, part II.43	Y		98.5% destruction of vapors by weight (from S3)	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
	BAAQMD Condition 1240, part II.44	Y		S3, Fugitive emissions at vapor recovery system (S24 or A31) shall not exceed 100 ppmv	BAAQMD 8-18-116	NA	None
	BAAQMD Condition #1240, part II.53	Y		S65, Fugitive emissions at vapor recovery system (S24 or A31) shall not exceed 100 ppm	BAAQMD 8-18-116	NA	None
	BAAQMD Condition #1240, part II.55	Y		98.5% destruction of vapors by weight (from S5-8, S37, S38, S70)	BAAQMD Condition 1240, part II.58b	C	Temperature monitoring
	BAAQMD Condition #1240, part II.56	Y		98.5% destruction of vapors by weight (from S51-S53, S60, S65)	BAAQMD Condition 1240, part II.58b	C	Temperature monitoring
	BAAQMD Condition #1240, part II.57	Y		98.5% destruction of vapors by weight (from S61, S62)	BAAQMD Condition 1240, part II.58b	C	Temperature monitoring
	BAAQMD Condition #1240, part II.70	Y		98.5% destruction of vapors by weight (from S54)	BAAQMD Condition 1240, part II.58b	C	Temperature monitoring
VOC	BAAQMD Condition 1240, part II.85	Y		98.5% destruction of vapors by weight (from S66)	BAAQMD Condition 1240, part II.58b	C	Temperature monitoring
	BAAQMD Condition 1240, part II.86	Y		S66, Fugitive emissions at vapor recovery system (S24 or A31) shall not exceed 100 ppm	BAAQMD 8-18-116	NA	None

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
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		1115 ^{o} F Operating Temperature when in abatement service	40 CFR 60.112b(c) (c)(2)	C	Temperature monitoring
	40 CFR 60.473(c)	Y		1115 ^{o} F Operating Temperature when in abatement service	40 CFR 60.473(c)	C	Temperature monitoring
	40 CFR 61.357(d) (7)(iv)(C)	Y	`	1115 ^{o} F Operating Temperature when in abatement service	40 CFR 61.354(c)(4)	C	Temperature monitoring
Temper-ature limit	BAAQMD Condition 1240, part II.58b	Y		1115 ^{o} F Operating Temperature when in abatement service	BAAQMD Condition 1240, part II.58b	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)(i)(B)	Y		Tank openings maintained in closed and sealed position	40 CFR 61.343(c)	P/Q	Visual inspection

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
	40 CFR 61.349(a)(1)(i)	Y		Operation with Fugitive emissions < 500 ppmv	40 CFR 61.355(h)	P/A	Method 21 Inspection
	40 CFR 61.349(g)	Y		First effort to repair visible defects within 5 days after detection; repair complete within 15 days except as allowing by 40 CFR 61.350	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
VOC	BAAQMD Condition 1240, part I.14	Y		Emissions of NMHC < 42.705 tons per year	BAAQMD Condition 1240, parts I.18a, I.18e and I.18j	P/SA	Calculations

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – R
Applicable Limits and Compliance Monitoring Requirements
S26, WASTEWATER TANK, ABATED BY PV VALVES

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
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
VOC	40 CFR 61.349(g)	Y		First effort to repair visible defects within 5 days after detection; repair complete within 15 days except as allowing by 40 CFR 61.350	40 CFR 61.349(f)	P/Q	Visual inspection
VOC	BAAQMD Condition 1240, part I.14	Y		Emissions of NMHC < 42.705 tons per year	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 TK-12A ABATED BY PV VALVE

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		Y		None	BAAQMD 8-5-501.1	P/E	Records of liquids stored and TVPs
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
VOC	40 CFR 61.349(g)	Y		First effort to repair visible defects within 5 days after detection; repair complete within 15 days except as allowing by 40 CFR 61.350	40 CFR 61.349(f)	P/Q	Visual inspection
VOC	BAAQMD Condition 1240, part I.14	Y		Emissions of NMHC < 42.705 tons per year	BAAQMD Condition 1240, parts I.18a, I.18e 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
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 < 42.705 tons per year	BAAQMD Condition 1240, parts I.18a, I.18d and I.18j	P/SA	Calculations
	BAAQMD Condition 1240, part II.69	Y		98.5% control efficiency	BAAQMD Condition 1240, part II.58b	C	Temperature monitoring

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.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

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	BAAQMD Condition 1240, parts I.18a, I.18i and I.18j	P/SA	Calculations

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
VOC	BAAQMD Condition 1240, part I.14	Y		Emissions of NMHC < 42.705 tons per year	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	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 < 42.705 tons per year	None	N	N/A
HAP	40 CFR 63.641	Y		Retain weight percent total organic HAP in liquid stored for Group 2 determination	40 CFR 63.654(i)(1)(iv)	P/E	Records

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 < 42.705 tons per year	None	N	N/A
HAP	40 CFR 63.641	Y		Retain weight percent total organic HAP in liquid stored for Group 2 determination	40 CFR 63.654(i)(1)(iv)	P/E	Records

VII. Applicable Limits and Compliance Monitoring Requirements

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
	40 CFR 61.347 (a)(1)(i)(A)	Y		O/W Separator fittings leak ≤ 500 ppm	40 CFR 61.355(h)	P/A	Method 21 Inspection
	40 CFR 61.347(b)	Y		No cracks or gaps between cover and O/W separator wall; access hatches and other openings closed and gasketed properly	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 (by A31)	40 CFR 61.354(c)(1)	C	Temper-ature measure-ment
	40 CFR 61.349(a) (2)(i)(A)	Y		95% control (by S24)	40 CFR 61.354(c)(4)	C	Temper-ature measure-ment
	40 CFR 61.349(a) (1)(i)	Y		Operation with Fugitive emissions < 500 ppmv	40 CFR 61.355(h)	P/A	Method 21 Inspection
	40 CFR 61.349(g)	Y		First effort to repair visible defects within 5 days after detection; repair complete within 15 days except as allowing by 40 CFR 61.350	40 CFR 61.349(f)	P/Q	Visual inspection
VOC	BAAQMD Condition 1240, part I.14	Y		Emissions of NMHC < 42.705 tons per year	BAAQMD Condition 1240, parts I.18a, I.18e and I.18j	P/SA	Calculations

VII. Applicable Limits and Compliance Monitoring Requirements

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Through-put	BAAQMD Condition 1240, part II.92	Y		77,263,000 gallons per year	BAAQMD Condition 1240, part II.92a	P/M	Records

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 < 42.705 tons per year	BAAQMD Condition 1240, parts I.18a, I.18c and I.18j	P/SA	calculations

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
	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 < 42.705 tons per year	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 except allowable kerosene	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 < 42.705 tons per year	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	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 - 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 < 42.705 tons per year	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 < 42.705 tons per year	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 8-18-116	N/A	None
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 < 42.705 tons per year	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 8-18-116	NA	None
	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	BAAQMD 8-8-114	Y		Exemption for Bypassed Oil-Water Separator or Air Flotation Unit Influent	BAAQMD 8-8-501 8-8-601 and SIP 8-8-501 8-8-601	P/E	Records and sample analysis
VOC		Y		None	BAAQMD 8-8-501 and SIP 8-8-501	P/E	Records and sample analysis
VOC	BAAQMD 8-8-301.3 and SIP 8-8-301.3	Y		95% combined collection and destruction efficiency	BAAQMD Condition 1240, part II.58b	C	Temperature monitoring
	40 CFR 61.347(b)	Y		No cracks or gaps between cover and O/W separator wall; access hatches and other openings closed and gasketed properly	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 61.355(h)	P/A	Method 21 Inspection
	40 CFR 61.349(g)	Y		First effort to repair visible defects within 5 days after detection; repair complete within 15 days except as allowing by 40 CFR 61.350	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

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
	40 CFR 61.349(a)(2)(i)(A)	Y		95% control (by A31)	40 CFR 61.354(c)(1)	C	Temperature monitoring
	40 CFR 61.349(a)(2)(i)(A)	Y		95% control (by S24)	40 CFR 61.354(c)(4)	C	Temper-ature measure-ment
VOC	BAAQMD Condition 1240, part I.14	Y		Emissions of NMHC < 42.705 tons per year	BAAQMD Condition 1240, parts I.18a, I.18e and I.18j	P/SA	calculations
	BAAQMD Condition 1240, part II.85	Y		98.5% destruction of vapors (by S24 or A31)	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 in vapor recovery system	BAAQMD 8-18-116	NA	None
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

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	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)(i)(B)	Y		Tank openings maintained in closed and sealed position	40 CFR 61.343(c)	P/Q	Visual inspection
VOC	40 CFR 61.349(a)(1)(i)	Y		Operation with Fugitive emissions < 500 ppmv	40 CFR 61.355(h)	P/A	Method 21 Inspection
	40 CFR 61.349(g)	Y		First effort to repair visible defects within 5 days after detection; repair complete within 15 days except as allowing by 40 CFR 61.350	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 (by A31)	40 CFR 61.354(c)(1)	C	Temper-ature measure-ment

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
	40 CFR 61.349(a)(2)(i)(A)	Y		95% control (by S24)	40 CFR 61.354(c)(4)	C	Temper-ature measure-ment
VOC	BAAQMD Condition 1240, part I.14	Y		Emissions of NMHC < 42.705 tons per year	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
	BAAQMD 9-8-330	N		unlimited hours in case of emergency	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
NOX	BAAQMD Condition 1240, part I.14	Y		Emissions of NOX < 40.047 tons per year	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	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 < 42.705 tons per year	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 < 42.705 tons per year	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

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 Regulation 8-18-300	Y		Valves, Pumps, Compressors, Connectors, PRDs, and General Equipment	BAAQMD 8-18-401.5	P/E (24 hrs after repair/mini-mization)	Method 21 Inspection
VOC	BAAQMD 8-18-302.1 8-18-302.2	N		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 8-18-302.1 8-18-302.2	N		Inaccessible valve leak < 100 ppm or minimize in 24 hours, repair in 7 days	BAAQMD 8-18-401.3	P/A	Method 21 Inspection
VOC	BAAQMD 8-18-302.3 8-18-306.2 8-18-306.3 8-18-306.4	N		Inspect non-repairable valves	BAAQMD 8-18-401.9	P/Q	Method 21 inspection
VOC	BAAQMD 8-18-302.3 8-18-306.4	N		Mass emission rate </= 15 lb/day for valve with major leak (>/= 10,000 ppm)	BAAQMD 8-18-306.4 8-18-604	P/E within 45 days of leak discovery	Mass Emission Sampling
VOC	BAAQMD 8-18-302.3 8-18-306.4	N		Mass emission rate </= 15 lb/day for valve with major leak (>/= 10,000 ppm)	BAAQMD 8-18-401.10 8-18-604	P/A	Mass Emission Sampling
VOC	BAAQMD 8-18-303.1 8-18-303.2	N		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

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 8-18-304.1 8-18-304.2	N		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 8-18-304.1 8-18-304.2	N		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
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	N		Valve, connector, pressure relief, pump or compressor must be repaired within 5 years or at the next scheduled turnaround	BAAQMD 8-18-502.4	P/Q	Records

VII. Applicable Limits and Compliance Monitoring Requirements

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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 8-18-306.2 8-18-306.3 8-18-306.4	N		Maximum percentage awaiting repair Components: % — Valves (including with major leaks) and connectors per 8-18-306.3: 0.30; Valves with major leaks per 8-18-306.4: 0.025; Pressure Reliefs: 1.0; Pumps and Compressors: 1.0	BAAQMD 8-18-502.4	P/Q	Records
VOC	BAAQMD 8-18-307	Y		Equipment liquid leaks minimize in 24 hours, repair in 7 days	None	P/E	Records
VOC	BAAQMD 8-18-307	Y		Pumps and Compressors Evidence of Leak	BAAQMD 8-18-403	P/D	Visual Inspection
VOC	SIP 8-18-302	Y		Valve leak < 100 ppm or minimize in 24 hours, repair in 7 days	SIP 8-18-401.2 or 8-18-404	P/Q (footnote a)	Method 21 Inspection
VOC	SIP 8-18-302	Y		Inaccessible valve leak < 100 ppm or minimize in 24 hours, repair in 7 days	SIP 8-18-401.3	P/A	Method 21 Inspection
VOC	SIP 8-18-303	Y		Pump and compressor leak < 500 ppm or minimize in 24 hours, repair in 7 days	SIP 8-18-401.2	P/Q	Method 21 Inspection
VOC	SIP 8-18-304.2	Y		Connection leak < 100 ppm or minimize in 24 hours, repair in 7 days	SIP 8-18-401.6	P/every 5 years (see footnote b)	Method 21 Inspection
VOC	SIP 8-18-304.2	Y		Connection leak < 100 ppm or minimize in 24 hours, repair in 7 days (for connectors opened during turnaround)	SIP 8-18-401.1	P/E (within 90 days of turnaround)	Method 21 Inspection

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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	SIP 8-18-306.1	Y		Valve, pressure relief, pump or compressor must be repaired within 5 years or at the next scheduled turnaround	SIP 8-18-502.4	P/Q	Report
VOC	SIP 8-18-306.2	Y		Awaiting repair Valves < 0.5% Pressure Relief < 1% Pumps and Compressors < 1%	SIP 8-18-502.4	P/Q	Report
VOC	BAAQMD 8-28-303.2	N		Implement Process Safety Requirements for PRDs	BAAQMD 8-28-405 8-28-502.1	N/A	Process Safety Requirements, records
VOC	BAAQMD 8-28-304.1	N		After first release of PRD in 5-year period, conduct and submit PHA, meet Prevention Measure Procedures, conduct failure analysis, and install tamperproof tell-tail indicators	BAAQMD 8-28-304.1 8-28-405	P/E (90 day after release) P/E (120 day after release)	PHA & PMP Report Install tamper-proof indicators
VOC	BAAQMD 8-28-304.2	N		After 2nd release from any PRD on the same source in 5 years; Vent Pressure Relief Devices to an Abatement Device with 95% destruction efficiency	None	P/E (within 1 yr)	N/A
VOC	BAAQMD 8-28-402.1	N		If equipped with tell-tail indicator, inspect atmospheric PRD for leak indicated by tell-tail indicator	BAAQMD 8-28-402.1 8-28-502.3	P/D until PRD equipped with monitoring system	Visual inspection & 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 8-28-402.2	N		Reinspect PRD after release event	BAAQMD 8-28-402.2	P/5-days after release event	Method 21 Inspection
VOC	BAAQMD 8-28-503	N		Monitor atmospheric PRDs using monitoring system	BAAQMD 8-28-503 8-28-502.4	C	Monitoring system records
VOC	SIP 8-28-303.2	Y		Pressure Relief Devices to meet Prevention Measures Procedures	SIP 8-28-405 8-28-403.1	N/A	Prevention Measures Procedures, Records
VOC	SIP 8-28-304.1	Y		After first release of PRD in 5-year period, conduct and submit PHA, meet Prevention Measure Procedures, conduct failure analysis, and install tamperproof tell-tail indicators	SIP 8-28-304.1 & 8-28-405	P/E (90 day after release) P/E (120 day after release)	PHA & PMP Report Install tamper-proof indicators
VOC	SIP 8-28-304.2	Y		After 2nd release of PRD on the same source in 5 years; Vent Pressure Relief Devices to an Abatement Device with 95% destruction efficiency	None	P/E (within 1 yr)	N/A
VOC	SIP 8-28-402	Y		Reinspect PRD after release event	SIP 8-28-402	P/5-days after release event	Method 21 Inspection
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

VII. Applicable Limits and Compliance Monitoring Requirements

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COMPONENTS

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	40 CFR 60.482-2(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
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

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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 60.482-8(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
VOC	40 CFR 60.482-10 (g)	Y		Closed vent leak < 500 ppm	40 CFR 60.482-10 (f)(1)(i)	Initial Inspection Only	Method 21 inspection
VOC	40 CFR 60.482-10 (g)	Y		Closed vent system - no visible, audible, olfactory evidence of leak	40 CFR 60.482-10 (f)(1)(ii)	P/A	Visual Inspection
VOC	40 CFR 60.482-10 (g)	Y		Repair closed-vent systems leak (> 500 ppm for initial inspection only) or visible, audible, or olfactory leak indication. 1st repair attempt 5 day, repaired 15 days, or turnaround list	40 CFR 60.482-10 (f)	P/When detectable emissions are measured or leak indication is observed	Repairs

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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		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	40 CFR 61.343 (a)(1)(i)(A)	Y		Tanks fittings leak ≤ 500 ppm	40 CFR 61.343 (a)(1)(i)(A)	P/A	Method 21 Inspection
VOC	40 CFR 61.345 (a)(1)(i)	Y		Container fittings leak ≤ to 500 ppm	40 CFR 61.345 (a)(1)(i)	P/A	Method 21 Inspection
VOC	40 CFR 61.347 (a)(1)(i)(A)	Y		O/W Separator fittings leak ≤ 500 ppm	40 CFR 61.347 (a)(1)(i)(A)	P/A	Method 21 Inspection
	40 CFR 61.347(b)	Y		No cracks or gaps between cover and O/W separator wall ; access hatches and other openings closed and gasketed properly	40 CFR 61.347(b)	P/Q	Visual inspection
VOC	40 CFR 61.349 (a)(1)(i)	Y		Closed-vent systems <500 ppm above background	40 CFR 61.349 (a)(1)(i)	P/A	Method 21 Inspection

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COMPONENTS

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
	40 CFR 61.349(g)	Y		First effort to repair visible defects within 5 days after detection; repair complete within 15 days except as allowing by 40 CFR 61.350	40 CFR 61.349(f)	P/Q	Visual inspection
VOC	BAAQMD Condition 1240, part I.14	Y		Emissions of NMHC < 42.705 tons per year	BAAQMD Condition 1240, parts I.18a, I.18b and I.18j	P/M	Calculations
VOC	BAAQMD Condition 1240, part II.32d	Y		S-63, no detectable fugitive organic emissions in excess of 100 ppmv in vapor recovery system, measured as total organic compounds	BAAQMD 8-18-116	NA	None
VOC	BAAQMD Condition 1240, part II.44	Y		S3, no detectable fugitive organic emissions in excess of 100 ppmv in vapor recovery system, measured as total organic compounds	BAAQMD 8-18-116	NA	None
VOC	BAAQMD Condition 1240, part II.53	Y		S65, no detectable fugitive organic emissions in excess of 100 ppmv in vapor recovery system, measured as total organic compounds	BAAQMD 8-18-116	NA	None
	BAAQMD Condition 1240, part II.86	Y		S66, no detectable fugitive organic emissions in excess of 100 ppmv in vapor recovery system, measured as total organic compounds	BAAQMD 8-18-116	NA	None

Footnotes to Table VII-AL 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

VII. Applicable Limits and Compliance Monitoring Requirements

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 Asphalt Plant's connectors are inspected each year provided the leak rate is < 1.5%. If the leak rate is > 1.5%, all connectors within the unit are inspected.

[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 and except Dimersol and the Tail Gas Unit, which are not subject to MACT. Finally, 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.

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	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	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	40 CFR 60.482-10 (c)	Y		95% destruction of VOC emissions (from S18 PRV vents)	40 CFR 60.482-10(e)	N	N/A
VOC	40 CFR 60.482-10 (g)	Y		Closed vent system - no visible, audible, olefactory evidence of leak	40 CFR 60.482-10 (f)(1)(ii)	P/A	Visual Inspection

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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
VOC	40 CFR 60.482-10 (g)	Y		Repair closed-vent system visible, audible, or olefactory leak indication. First repair attempt 5 day, repaired 15 days, or turnaround list	40 CFR 60.482-10 (f)	P/When detectable emissions are measured or leak indication is observed	Repairs
VOC	BAAQMD Condition 1240, part I.14	Y		Emissions of NMHC < 42.705 tons per year	BAAQMD Condition 1240, parts I.18a, I.18g and I.18j	P/SA	Calculations
	BAAQMD Condition 1240, part I.14	Y		Emissions of NMHC < 42.705 tons per year	BAAQMD Condition 1240, part I.19	C	Temperature monitoring
	BAAQMD Condition #1240, part II.60	Y		98.5% destruction of vapors by weight (from S14)	BAAQMD Condition 1240, part I.19	C	Temperature monitoring
	BAAQMD Condition #1240, part II.63	Y		98.5% destruction of vapors by weight (from S15)	BAAQMD Condition 1240, part I.19	C	Temperature monitoring
	BAAQMD Condition #1240, part II.68	Y		98.5% destruction of vapors by weight (from S17)	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

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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
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
Temperature	BAAQMD Condition 1240, part I.19	Y		Minimum Operating Temperature 1400F	BAAQMD Condition 1240, part I.19	C	Temperature Monitoring

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	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	None	N	N/A

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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
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 (from S13, S59, S63)	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 and SIP 8-8-301.3	Y		95% combined collection and destruction efficiency	BAAQMD Condition 1240, part II.58b	C	Temperature monitoring
	40 CFR 60.112b(a)(3)(ii)	Y		95% control of organic vapors (from S13, S59, S63)	BAAQMD Condition 1240, part II.58b	C	Temperature monitoring
	40 CFR 61.349(a)(2)(i)(A)	Y		95% reduction of organic vapors (from S12, S25, S28, S41, S66)	40 CFR 61.354(c)(1)	C	Temperature monitoring

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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 61.349(a)(1)(i)	Y		Operation with Fugitive emissions < 500 ppmv	40 CFR 61.355(h)	P/A	Method 21 Inspection
	40 CFR 61.349(g)	Y		First effort to repair visible defects within 5 days after detection; repair complete within 15 days except as allowing by 40 CFR 61.350	40 CFR 61.349(f)	P/Q	Visual inspection
VOC	BAAQMD Condition 1240, part I.14	Y		Emissions of NMHC < 42.705 tons per year	BAAQMD Condition 1240, parts I.18a, I.18g and I.18j	P/SA	Calculations
	BAAQMD Condition 1240, part I.14	Y		Emissions of NMHC < 42.705 tons per year	BAAQMD Condition 1240, part II.58b	C	Temper-ature monitoring
	BAAQMD Condition 1240, parts II.32a, b, c	Y		98.5% destruction of organic vapors by weight (from S13, S59, S63)	BAAQMD Condition 1240, part II.58b	C	Temper-ature monitoring
	BAAQMD Condition 1240, part II.32d	Y		S63, no detectable fugitive organic emissions in excess of 100 ppmv in vapor recovery system, measured as total organic compounds	BAAQMD 8-18-116	N/A	None
	BAAQMD Condition 1240, part II.43	Y		98.5% destruction of organic vapors by weight (from S3)	BAAQMD Condition 1240, part II.58b	C	Temperature monitoring

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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		S3, no detectable fugitive organic emissions in excess of 100 ppmv in vapor recovery system, measured as total organic compounds	BAAQMD 8-18-116	NA	None
	BAAQMD Condition #1240, part II.53	Y		S65, no detectable fugitive organic emissions in excess of 100 ppmv in vapor recovery system, measured as total organic compounds	BAAQMD 8-18-116	NA	None
	BAAQMD Condition #1240, part II.55	Y		98.5% destruction of organic vapors by weight (from S5-8, S37, S38, S70)	BAAQMD Condition 1240, part II.58b	C	Temperature monitoring
	BAAQMD Condition #1240, part II.56	Y		98.5% destruction of organic vapors by weight (from S51-53, S60, S65	BAAQMD Condition 1240, part II.58b	C	Temperature monitoring
	BAAQMD Condition #1240, part II.57	Y		98.5% destruction of organic vapors by weight (from S61, S62)	BAAQMD Condition 1240, part II.58b	C	Temperature monitoring
	BAAQMD Condition #1240, part II.69	Y		98.5% destruction of organic vapors by weight (from S31)	BAAQMD Condition 1240, part II.58b	C	Temperature monitoring
	BAAQMD Condition #1240, part II.70	Y		98.5% destruction of organic vapors by weight (from S54)	BAAQMD Condition 1240, part II.58b	C	Temperature monitoring
	BAAQMD Condition 1240, part II.85	Y		98.5% destruction of organic vapors by weight (from S66)	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		S66, no detectable fugitive organic emissions in excess of 100 ppmv in vapor recovery system, measured as total organic compounds	BAAQMD 8-18-116	NA	None
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		1400 ^{o} F Operating Temperature	40 CFR 60.112b(c)(c)(2)	C	Temperature monitoring
	40 CFR 60.473(c)	Y		1400 ^{o} F Operating Temperature	40 CFR 60.473(c)	C	Temperature monitoring
	40 CFR 61.357(d)(7)(iv)(A)	Y		1400 ^{o} F Operating Temperature	40 CFR 61.354(c)(1)	C	Temperature monitoring
Temper-ature limit	BAAQMD Condition 1240, part II.58b	Y		1400 ^{o} F Operating Temperature	BAAQMD Condition 1240, part II.58b	C	Temperature monitoring

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – AQ
Applicable Limits and Compliance Monitoring Requirements
S71-EMERGENCY DIESEL-POWERED AIR COMPRESSOR

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
	BAAQMD 9-8-330	N		unlimited hours in case of emergency	BAAQMD 9-8-530	P/M	records
	BAAQMD Condition 22928 Part 1	Y		up to 50 hours for reliability testing	BAAQMD Condition 22928 Part 3	P/M	records
NOX	BAAQMD Condition 1240, part I.14	Y		Emissions of NOX < 40.047 tons per year	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	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

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – AQ
Applicable Limits and Compliance Monitoring Requirements
S71-EMERGENCY DIESEL-POWERED AIR COMPRESSOR

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
NHMC	BAAQMD Condition 1240, part I.14	Y		Emissions of NMHC < 42.705 tons per year	BAAQMD Condition 1240, parts I.18a, I.18g and I.18j	P/SA	Calculations

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 1-522	Continuous Emission Monitoring	Manual of Procedures, Volume V
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 (95% control requirement)	Manual of Procedures, Volume IV, ST-4, Bulk Gasoline Distribution Facility
BAAQMD 8-5-328.1.2	VOC emissions for tank degassing (90% abatement requirement	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 8-5-328.1.2	VOC emissions for tank degassing (organic concentration < 10,000 ppm as methane after degassing)	EPA Reference Method 21 (40 CFR 60, Appendix A), Determination of Volatile Organic Compound Leaks
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
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 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 8-6-604	True Vapor Pressure	Standard Reference Texts [Table 1, BAAQMD Regulation 8-5 OR EPA-450/3-87-026 [Exhibit A-2 in Appendix A or Appendix D] OR Raoult's Law of Partial Pressures for liquid mixtures as defined in BAAQMD 8-6-205 or ASTM Method D 2879-83
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, 8-8-602	95% combined collection and destruction efficiency requirement	Manual of Procedures, Volume IV, ST-7, Non-Methane Organic Carbon Sampling, or Method 25, Determination of Total Gaseous Nonmethane Organic Emissions as Carbon, or 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 8-8-312 8-8-603	Controlled Wastewater Collection System Components At Petroleum Refineries	EPA Method 21 (40 CFR 60, Appendix A), Determination of Volatile Organic Compound Leaks – Portable hydrocarbon detector

VIII. Test Methods

Table VIII
Test Methods

Applicable Requirement	Description of Requirement	Acceptable Test Methods
BAAQMD 8-8-313.2 8-8-603	Uncontrolled Wastewater Collection System Components At Petroleum Refineries	EPA Method 21 (40 CFR 60, Appendix A), Determination of Volatile Organic Compound Leaks – Portable hydrocarbon detector
BAAQMD 8-8-601	Wastewater Analysis for Critical Organic Compounds	Manual of Procedures, Volume III, ST-3, Lab Method 33, Determination of Dissolved Critical Volatile Organic Compounds in Wastewater Separators
BAAQMD 8-10-601	Process Vessel Opening VOC Concentration	EPA reference method 21 (40 CFR 60, Appendix A), Determination of Volatile Organic Compound Leaks
BAAQMD 8-15-305	Prohibition of Manufacture and Sale	ASTM Distillation Method D402, or 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
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 Method 25, Determination of Total Gaseous Nonmethane Organic Emissions as Carbon, or Method 25A, Determination of Total Gaseous Organic Concentration Using a Flame Ionization Analyzer
BAAQMD 9-1-301	Ground Level Monitoring	BAAQMD and SIP Manual of Procedures, Volume VI, Section 1, Area Monitoring
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 9-1-501	Continuous Monitoring	Manual of Procedures, Volume V, Continuous Monitoring
BAAQMD 9-2-301	Ground Level Monitoring	BAAQMD and SIP Manual of Procedures, Volume VI, Section 1, Area Monitoring
BAAQMD 9-2-501	Continuous Monitoring	Manual of Procedures, Volume V, Continuous Monitoring

VIII. Test Methods

Table VIII
Test Methods

Applicable Requirement	Description of Requirement	Acceptable Test Methods
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 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 ST-14, Oxygen, Continuous Sampling
BAAQMD 9-10-305	CO emission limit	Manual of Procedures, Volume IV, ST-6, Carbon Monoxide, Continuous Sampling and ST-14, Oxygen, Continuous Sampling
BAAQMD 9-10-306.2	Small unit tune-up requirements	Manual of Procedures, Volume I, Chapter 5, Boiler, Steam Generator, and Process Heater Tuning Procedure
BAAQMD 9-10-601	Determination of Nitrogen Oxides	Manual of Procedures, Volume IV, ST-13A, Oxides of Nitrogen, Continuous Sampling and 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 ST-14, Oxygen, Continuous Sampling
40 CFR 60 Subpart J	**Standards of Performance for Petroleum Refineries**	
40 CFR 60.104(a)(1)	Fuel gas H2S concentration limit	40 CFR 60, Appendix A, EPA Method 11, Determination of Hydrogen Sulfide Content of Fuel Gas Streams in Petroleum Refineries, and 40 CFR 60, Appendix B, Performance Specification 7, Specifications and Test Procedures for Hydrogen Sulfide Continuous Emission Monitoring Systems in Stationary Sources
40 CFR 60 Subpart Kb	**Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984 (10/15/03)**	
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 60.112b(a)(3)(ii)	NSPS Subpart Kb Closed Vent System Performance (95% efficiency)	40 CFR 60 Subpart Kb 60.113b(c) Testing and Procedures
40 CFR 60.113b(b)(4)(i)	NSPS Subpart Kb External Floating Roof Tank primary rim seal gap measurement	40 CFR 60 Subpart Kb 60.113b(b)(1) through 60.113b(b)(3) Testing and Procedures
40 CFR 60.113b(b)(4)(ii)	NSPS Subpart Kb External Floating Roof Tank secondary rim seal gap measurement	40 CFR 60 Subpart Kb 60.113b(b)(1) through 60.113b(b)(3) Testing and Procedures
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

VIII. Test Methods

Table VIII
Test Methods

Applicable Requirement	Description of Requirement	Acceptable Test Methods
Subpart VV 40 CFR 60.485(d)	Determine % VOC content in process fluid	ASTM E260-73, 91, or 96 OR ASTM E168-67, 77, or 92 OR ASTM E169-63, 77, or 93
Subpart VV 40 CFR 60.485(e)	Demonstrate equipment is in light liquid service	ASMT D2879-83, 96, or 97 (Vapor pressure) OR Standard reference texts
40 CFR 61 Subpart FF	**National Emission Standards for Benzene Waste Operations**	
40 CFR 61.342(e)(2)(i)	Uncontrolled Benzene Wastewater Limit	40 CFR 61 Subpart FF 61.355(k) Test Methods, Procedures, and Compliance Provisions
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
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

VIII. Test Methods

Table VIII
Test Methods

Applicable Requirement	Description of Requirement	Acceptable Test Methods
61.349(a)(2)(i)(A)	Standards: Closed-Vent Systems and Control Devices; Enclosed combustion device requirements	EPA reference method 1 (40 CFR 60, Appendix A), Sample and velocity traverses for stationary sources, or EPA reference method 1A (40 CFR 60, Appendix A), Sample and velocity traverses for stationary sources with small stacks or ducts, EPA reference method 2 (40 CFR 60, Appendix A), Determination of stack gas velocity and volumetric flow rate (Type S pitot tube), or EPA reference method 2A (40 CFR 60, Appendix A), Direct measurement of gas volume through pipes and small ducts, or EPA reference method 2C (40 CFR 60, Appendix A), Determination of stack gas velocity and volumetric flow rate in small stacks or ducts (standard pitot tube), or EPA reference method 2D (40 CFR 60, Appendix A), Measurement of gas volumetric flow rates in small pipes and ducts 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(c)(3)	Measure benzene concentration in waste streams	From "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Publication No. SW-846: (1) Method 8020, Aromatic Volatile Organics, (2) Method 8021, Volatile Organic Compounds in Water by Purge and Trap Capillary Column Gas Chromatography with Photoionization and Electrolytic Conductivity Detectors in Series (3) Method 8240, Gas Chromatography/Mass Spectrometry for Volatile Organics (4) Method 8260, Gas Chromatography/Mass Spectrometry for Volatile Organics: Capillary Column Technique From 40 CFR Part 136, Appendix A, Test Procedures for Analysis of Organic Pollutants, for wastewaters for which these are approved EPA methods: (1) Method 602, Purgeable Aromatics, Method 624, Purgeables

VIII. Test Methods

Table VIII
Test Methods

Applicable Requirement	Description of Requirement	Acceptable Test Methods
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 1 (40 CFR 60, Appendix A), Sample and velocity traverses for stationary sources, or EPA reference method 1A (40 CFR 60, Appendix A), Sample and velocity traverses for stationary sources with small stacks or ducts, EPA reference method 2 (40 CFR 60, Appendix A), Determination of stack gas velocity and volumetric flow rate (Type S pitot tube), or EPA reference method 2A (40 CFR 60, Appendix A), Direct measurement of gas volume through pipes and small ducts, or EPA reference method 2C (40 CFR 60, Appendix A), Determination of stack gas velocity and volumetric flow rate in small stacks or ducts (standard pitot tube), or EPA reference method 2D (40 CFR 60, Appendix A), Measurement of gas volumetric flow rates in small pipes and ducts 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 and BAAQMD 8-18-116	No detectable fugitive organic emissions in excess of 100 ppmv, measured as total organic compounds	Components in vacuum service. Exempt from EPA reference method 21 inspection per exemption in BAAQMD 8-18-116.
BAAQMD Condition 1240, part II.44 and BAAQMD 8-18-116	Vapor recovery and fugitive emission requirement	Components in vacuum service. Exempt from EPA reference method 21 inspection per exemption in BAAQMD 8-18-116.

VIII. Test Methods

Table VIII
Test Methods

Applicable Requirement	Description of Requirement	Acceptable Test Methods
BAAQMD Condition 1240, part II.53 and BAAQMD 8-18-116	Fugitive emissions at vapor recovery equipment	Components in vacuum service. Exempt from EPA reference method 21 inspection per exemption in BAAQMD 8-18-116.
BAAQMD Condition 1240, part II.86 and BAAQMD 8-18-116	Fugitive emissions at vapor recovery equipment	Components in vacuum service. Exempt from EPA reference method 21 inspection per exemption in BAAQMD 8-18-116.

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
(DELETED IN REVISION 2, S30 IS NO LONGER IN OPERATION)

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
(DELETED IN REVISION 2. OWNERSHIP OF S1, S2, S4, AND S23 TRANSFERRED TO FACILITY B5574 BY APPLICATION NO. 7980/8915)

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.

Reopening (Application 9297): December 16, 2004
- Deletion of S29, Merox Treater
- Deletion of temperature excursion language in BAAQMD Condition 1240, part I.19
- Revision of BAAQMD Condition #21233 for monitoring of limits in BAAQMD Regulation 9, Rule 11
- Addition of BAAQMD Regulation 1-523, Parametric Monitoring and Recordkeeping Procedures, for equipment with parametric monitors
- Other details in final Statement of Basis for reopening

Significant Revision October 17, 2007
- Application 10333/10334 Abatement Modifications for S26 & S27
  Revisions to Table IIB, IV-R & S and VII-R & S
- Application 11356 NOx Box Creation for S19, S20 & S21.
  Change in NOx Box Condition 21233 in Section VI
- Application 11815 A4 Operating Temperature
  Condition 1240, part I.19 in Section VI and Table VII – AM
- Application 12703/12704 A-31 Operating Temperature
  Change in Condition 1240.II.58b in Section VI and Table VII – P
- Application 12421 Tank Operation in Low Vapor Pressure Service
  Addition of Condition 20762, changes to Tables IV-A and VII – A
- Application 12477/12660 Minor Revisions to NOx Box Condition 21233
  Miscellaneous clarifications including Part 7.A.1 in Section VI.

IX. Permit Shield

Application 12236/12237 S24 Abatement Service Operating Temperature
Change in Condition 1240.II.58b and Table VII – AN
Application 12869, Correction of Test Methods
Revision to Table VIII, BAAQMD 8-5-328.1.2
Application 12875/13044 S-19 Source Test Minor Revision
Change in Condition 1240.I.16a in Section VI.
Application 13010/13011 Minor Revision to S-19 NOx Box
Revision to Condition 21233 Part 5.A in Section VI
Application 13206/13207 NSPS Subpart J 60.104(a)(1)
Change in Condition 1240.I.11 in Section VI and Table VII-M
Application 13812/13867 Kerosene Blending into Asphalt
Change in Condition 1240.II.71 in Section VI
Revision to Tables VII-K (S17) and VII-AB (S54)
Application 13941/13977 Emergency Diesel Air Compressor
Addition of Condition 22928 in Section VI
Revision of Conditions 1240.I.6, I.18g & I.18i, and 18796 in Section VI
Addition of Tables IV-AQ and VII-AQ
Additions of S71 and A71 to Tables IIA and IIB
Application 7980/8915 Valero LP Tank Ownership Transfer
Transfer ownership of S1, S2, S4, and S23 to Valero Logistics Operations (Facility B5574)
Major Facility Permit issued by BAAQMD on October 4, 2006 as Administrative Amendment
Changes in Tables IIA, IIB, and Section VII tables.
Delete Tables IV-B, VII-B, and IX-B-1
Delete Conditions 1240.II.1 and II.11 through24
Change Conditions 1240.I.14 and I.18c
Application 15805/15806 Administrative change to NOx Box operating parameter S19 (F-4601)
Revision of Condition 21233
Removal of S30 Marine Loading Dock, no longer in service since April 5, 2005 per Valero's request letter dated April 17, 2007
Delete all applicable requirements and conditions related to S30

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

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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

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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

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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

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

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

RACT
Reasonably Available Control Technology

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

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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

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

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

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

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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
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://yosemite.epa.gov/r9/r9sips.nsf/Agency?ReadForm&count=500&state=California&cat=Bay+Area+Air+Quality+Management+District-Agency-Wide+Provisions