

Bay Area Air Quality Management District

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

Proposed

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

Doug Comeau,
Vice President and General Manager
Valero Refining Company - California
(707) 745-7011

Facility Contact

Todd Lopez,
Environmental Engineering Manager

(707) 745-7203

Type of Facility: Asphalt Refinery

BAAQMD Engineering Division
Contact:

Primary SIC: 2911

Thu Bui

Product: Asphalt

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 5 – New Source Review of Toxic Air Contaminants](#)
(as adopted by the District Board on 6/15/05);
BAAQMD Regulation 2, Rule 6 - Permits, Major Facility Review
(as amended by the District Board on 4/16/03); ~~and~~
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 ~~[date of issuance]December 1, 2003,~~ and expires on ~~[date of expiration]November 30, 2008.~~ The permit holder shall submit a complete application for renewal of this Major Facility Review Permit no later than ~~[based on date of issuance]May 31, 2008~~ and no earlier than ~~[based on date of issuance]November 30, 2007.~~ **If a complete application for renewal has not been submitted in accordance with this deadline, the facility may not operate after [based on date of issuance]November 30, 2008.** If the permit renewal has not been issued by [based on date of issuance]November 30, 2008, but a complete application for renewal has been submitted in accordance with the above deadlines, the existing permit will continue in force until the District takes final action on the renewal application. (Regulation 2-6-307, 404.2, 407, & 409.6; MOP Volume II, Part 3, §4.2)
2. The permit holder shall comply with all conditions of this permit. The permit consists of this document and all appendices. Any non-compliance with the terms and conditions of this permit will constitute a violation of the law and will be grounds for enforcement action; permit termination, revocation and re-issuance, or modification; or denial of a permit renewal application. (Regulation 2-6-307; MOP Volume II, Part 3, §4.11)

I. Standard Conditions

3. In the event any enforcement action is brought as a result of a violation of any term or condition of this permit, the fact that it would have been necessary for the permittee to halt or reduce the permitted activity in order to maintain compliance with such term or condition shall not be a defense to such enforcement action. (MOP Volume II, Part 3, §4.11)
4. This permit may be modified, revoked, reopened and reissued, or terminated for cause. (Regulation 2-6-307, 409.8, 415; MOP Volume II, Part 3, §4.11)
5. The filing of a request by the facility for a permit modification, revocation and re-issuance, or termination, or the filing of a notification of planned changes or anticipated non-compliance does not stay the applicability of any permit condition. (Regulation 2-6-409.7; MOP Volume II, Part 3, §4.11)
6. This permit does not convey any property rights of any sort, or any exclusive privilege. (Regulation 2-6-409.7; MOP Volume II, Part 3, §4.11)
7. The permit holder shall supply within 30 days any information that the District requests in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. (Regulation 1-441, Regulation 2-6-409.4 & 501; MOP Volume II, Part 3, §4.11)
8. Any records required to be maintained pursuant to this permit 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. ([Regulation 2-6-409.20](#), MOP Volume II, Part 3, §4.11)
12. The permit holder is responsible for compliance, and certification of compliance, with all conditions of the permit, regardless whether it acts through employees, agents, contractors, or subcontractors. (Regulation 2-6-307)

I. Standard Conditions

C. Requirement to Pay Fees

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

D. Inspection and Entry

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

E. Records

1. The permit holder must provide any information, records, and reports requested or specified by the APCO. (Regulation 1-441, Regulation 2-6-409.4)
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, [date of issuance] to May 31, 2004~~ [June 30th or December 31st]. The report shall be submitted by [July 31st or January 31st]. ~~The second reporting period for this permit shall be June 1, 2004, to June 30, 2004.~~ Subsequent reports shall be for the following periods: January 1st through June 30th and July 1st through December 31st, and 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 ~~will~~ shall be ~~[date of issuance]~~ to

I. Standard Conditions

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

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

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

H. Emergency Provisions

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

I. Severability

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

J. Miscellaneous Conditions

1. In Table II-A, for each source with a capacity identified as a firm limit, the maximum capacity for each source as shown in Table II-A is the maximum allowable capacity. Exceedance of the maximum allowable capacity for any source is a violation of Regulation 2, Rule 1, Section 301. (Regulation 2-1-301)

I. Standard Conditions

~~1. The maximum capacity for each source as shown in Table II-A is the maximum allowable capacity. Exceedance of the maximum allowable capacity for any source is a violation of Regulation 2, Rule 1, Section 301. (Regulation 2-1-301)~~

~~2. Reserved.~~

*3. The owner/operator shall notify the District in writing by fax or email no less than three calendar days in advance of any scheduled startup or shutdown of any process unit. The owner/operator shall notify the District in writing by fax or email as soon as feasible for any unscheduled startup or shutdown of any process unit, but no later than 48 hours after the event 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, TK4601A (S1, S2, S4, S23 Crude Storage Tanks owned by Facility B5574)			
2	Crude Storage Tank, TK4601B (S1, S2, S4, S23 Crude Storage Tanks owned by Facility B5574)			
3	Gas Oil Storage Tank, TK-4601C	Fixed Roof		3,419,000 gal
4	Crude Oil Storage Tank, TK-4610A (S1, S2, S4, S23 Crude Storage Tanks owned by Facility B5574)			
5	Asphalt Storage Tank, TK-4602A	Fixed Roof		3,415,000 gal
6	Asphalt Storage Tank, TK-4602B	Fixed Roof		3,415,000 gal
7	Asphalt Storage Tank, TK-4603	Fixed Roof		1,050,000 gal
8	Asphalt Storage Tank, TK-4604	Fixed Roof		1,050,000 gal
9	Naphtha Storage Tank, TK-4607	Internal Floating Roof		571,200 gal
12	Tank #6 — Wastewater Tank	Fixed Roof		571,000 gal
13	Tank 8 — Kerosene Tank, TK-4608	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 <u>and/or</u> -asphalt plant refinery fuel gas), F-4601			40 MMbtu/hr (<u>new source review, Condition # 19329, PartPart 1</u>)
20	Steam Boiler H-4602A (natural gas)			14.7 MMbtu/hr
21	Steam Boiler H-4602-B (natural gas)			14.7 MMbtu/hr
23	Crude Storage Tank, TK-4610B (S1, S2, S4, S23 Crude Storage Tanks owned by Valero LP (Facility B5574))			
24	Hot Oil Heater, H-4603 (natural gas)			9 MMbtu/hr
25	Effluent Water Feed Tank, TK-11A	Fixed Roof		88,200 gal
26	Wastewater Oil Tank, TK-13	Fixed Roof		3800 gal
27	Recovered Oil Tank, TK-4612A	Fixed Roof		1260 gal
28	Effluent Water Feed Tank, TK-11B	Fixed Roof		88,000 gal

II. Equipment

Table II-A - Permitted Sources

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

S#	Description	Make or Type	Model	Capacity
31	Rail Car Asphalt and Gas Oil Loading Rack, five Spots			1 nozzle
34	Tank Heater, H- 460 5 (natural gas)			5.9 MMbtu/hr
37	Rubberized Asphalt Sales Tank, TK- 465 4	Fixed Roof		100,000 gal
38	Rubberized Asphalt Sales Tank, TK- 465 5	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	Wemeo -WEMCO Hydrocleaner – Induced Air Flotation Separator			5,000 bbl/day, 145 gpm
51	Sales Tank – Asphalt Liquid, Tank TK-465 06	Fixed Roof		152,880 gal
52	Sales Tank – Asphalt Liquid, TK-465 07	Fixed Roof		152,880 gal
53	Sales Tank – Asphalt Liquid, TK-465 08	Fixed Roof		152,880 gal
54	Asphalt Loading Rack			3 pumps, 4 nozzles
59	Tank #5 Gas Oil Fixed Roof Storage Tank, TK-4605, OOS	Fixed Roof		1,050,000 gal
60	Asphalt Tank # TK-465 05	Fixed Roof		15,000 gal
61	Asphalt Tank, TK-463 0A	Fixed Roof		995,400 gal
62	Asphalt Tank, TK-463 0B	Fixed Roof		995,400 gal
63	Tank 31 KERO/LVGO/HVGO/Asphalt Tank, TK-463 1	Fixed Roof		1,218,000 gal
65	Asphalt Tank, Tank TK-463 2	Fixed Roof		6,920,000 gal
66	Oil Water Separator			210 gal/min
67	Recovered Oil Tank, TK- 461 2B	Fixed Roof		5875 gal
68	Emergency Diesel-powered Firewater Pump (P-4645)			215 hp, <u>34 hours/yr (New Source Review, Condition # 22851, Part1)</u>
69	Asphalt Additive Loading Bin	Open Top		96 cubic feet, <u>20,000 ton/yr Additives (New Source Review, Condition # 20278, Part 2)</u>
70	Asphalt Additive Mixing Tank, TK-465 00	Fixed Roof		2,200 gal, <u>400,000 tons/yr (New Source Review, Condition # 20278, Part</u>

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
				<u>1)</u>
71	Emergency Diesel Air Compressor	Caterpillar	3054C	108 BHP, <u>50 hrs/yr (New Source Review, Condition # 22928, part 1)</u>

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 6-1-301 <u>SIP 6-301</u>	temperature	Ringelmann 1 for < 3 minutes/hr
A4	Thermal Oxidizer (6.5 MMbtu/hr)	S17	Regulation 6-1-310 <u>SIP 6-310</u>	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 40 CFR, Part 60.482-10(c) <u>Deleted upon</u>	Temperature	95% destruction

II. Equipment

Table II-B – Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
			startup of the atmospheric PRD removal project (A/N 19193)		
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- 1 -301 SIP 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- 1 -310 SIP 6-310	temperature	0.15 gr/dscf
A31	Thermal Oxidizer	S13, S59,	BAAQMD,	Temperature	95% control

II. Equipment

Table II-B – Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
	(3.5 MMbtu/hr)	S63	8-5-306 SIP 8-5-306		of VOC
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)	S27, S67	BAAQMD 8-8-305.2 SIP 8-8-305.2	Temperature	70% combined collection and destruction efficiency
A31	Thermal Oxidizer (3.5 MMbtu/hr)	S13, S59, S63	40 CFR 40 CFR, Part 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 40 CFR, Part 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, S27, S31,	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
		S37, S38, S41, S51-S54, S59, S60-S63, S65, S66, S67, S70, A1, A3, A6, A20			
A31	Thermal Oxidizer (3.5 MMbtu/hr)	<u>S3, S5, S6, S7, S8, S13, S31, S37, S38, S41, S51, S52, S53, S54, S59, S60, S61, S62, S63, S65, S66, S70</u>	BAAQMD Condition #1240, Part II.32a	Temperature	98.5% control of inlet VOC by weight
A31	Thermal Oxidizer (3.5 MMbtu/hr)	<u>S59</u>	BAAQMD Condition #1240, Part II.32b	Temperature	98.5% control of inlet VOC by weight
A31	Thermal Oxidizer (3.5 MMbtu/hr)	<u>S63</u>	BAAQMD Condition #1240, Part II.32e	Temperature	98.5% control of inlet VOC by weight
A31	Thermal Oxidizer (3.5 MMbtu/hr)	<u>S3</u>	BAAQMD Condition #1240, Part II.43	Temperature	98.5% destruction
A31	Thermal Oxidizer (3.5 MMbtu/hr)	<u>S5-S8, S37, S38, S70</u>	BAAQMD Condition #1240, Part II.55	Temperature	98.5% destruction
A31	Thermal Oxidizer (3.5 MMbtu/hr)	<u>S51-S53, S60</u>	BAAQMD Condition	Temperature	98.5% destruction

II. Equipment

Table II-B – Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
			#1240, Part II.56		
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
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 <u>Deleted upon startup of the atmospheric PRD removal project (A/N 19193)</u>	S18	None	None	None
A45	Off Gas Caustic Scrubber <u>Deleted upon startup of the atmospheric PRD removal project (A/N 19193)</u>	A44	BAAQMD Condition 1240, Part I.11	None	H2S concentration < 163 ppmv, dry, 3 hour average
A45	Off Gas Caustic Scrubber <u>Deleted upon startup of the atmospheric PRD removal project (A/N 19193)</u>	A44	BAAQMD Condition 1240, Part I.12	None	H2S concentration < 10 ppmv,

II. Equipment

Table II-B – Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
					dry, 24 hour average
S19	Vacuum Heater (natural gas <u>and/or</u> ; asphalt plant refinery fuel gas) <u>Requirement for abatement by S18, A44, and A45 deleted upon startup of the atmospheric PRD removal project (A/N 19193)</u>	S18, A44, A45	BAAQMD Condition #1240, Part I.14	None	Emissions of NMHC < 42.705 tons per year
S19	Vacuum Heater (natural gas <u>and/or</u> ; asphalt plant refinery fuel gas) <u>Requirement for abatement by S18, A44, and A45 deleted upon startup of the atmospheric PRD removal project (A/N 19193)</u>	S18	BAAQMD Condition #1240, Part I.3	None	98.5% destruction
S19	Vacuum Heater <u>Requirement for abatement by S18, A44, and A45 deleted upon startup of the atmospheric PRD removal project (A/N 19193)</u>	S18	40-CFR40 <u>CFR, Part</u> 63.643(a)(2)	None	98% destruction of organic HAPs or concentration of 20 ppmv, @ 3% O ₂ , dry
S24	Hot Oil Heater	S5-S8, S31, S37, S38, S51-S54, S60-S62, S65, S70	BAAQMD 6-1-301 <u>SIP 6-301</u>	Temperature	Ringelmann 1 for < 3 minutes/hr
S24	Hot Oil Heater	S5-S8, S31, S37, S38, S51-S54, S60-S62, S65, S70	BAAQMD 6-1-310 <u>SIP 6-310</u>	temperature	0.15 gr/dscf
S24	Hot Oil Heater	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
			SIP 8-5-306		
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	S27, S67	BAAQMD 8-8-305.2 SIP 8-8-305.2	Temperature	70% combined collection and destruction efficiency
S24	Hot Oil Heater	S13, S59, S63	40 CFR 40 CFR, Part 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 40 CFR, Part 60.472(c)	Temperature	0 percent opacity except for one consecutive 15-min period in any 24-hr period for cleaning
S24	Hot Oil Heater	S12, S25, S28, S41, S66, S67	40 CFR 61.349(a)(2)(i)(A)	Temperature	95% control of inlet VOC
S24	Hot Oil Heater	S3, S5-S8, S12, S13, S25, S27, S28, S31, S37, S38,	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
		S41, S51-S54, S59, S60-S62, S63, S65, S66, S67, S70, A1, A3, A6, A20			
S24	Hot Oil Heater	<u>S3, S5, S6, S7, S8, S13, S31, S37, S38, S41, S51, S52, S53, S54, S59, S60, S61, S62, S63, S65, S66, S70</u>	BAAQMD Condition #1240, Part II.32a	Temperature	98.5% control of inlet VOC by weight
S24	Hot Oil Heater	<u>S59</u>	BAAQMD Condition #1240, Part II.32b	Temperature	98.5% control of inlet VOC by weight
S24	Hot Oil Heater	<u>S63</u>	BAAQMD Condition #1240, Part II.32e	Temperature	98.5% control of inlet VOC by weight
S24	Hot Oil Heater	<u>S3</u>	BAAQMD Condition #1240, Part II.43	Temperature	98.5% destruction
S24	Hot Oil Heater	<u>S5-S8, S37, S38, S70</u>	BAAQMD Condition #1240, Part II.55	Temperature	98.5% destruction
S24	Hot Oil Heater	<u>S51-S53, S60, S65</u>	BAAQMD Condition	Temperature	98.5% destruction

II. Equipment

Table II-B – Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
			#1240, Part II.56		
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

II. Equipment

Table II C - Exempt Sources

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

<u>S/#</u>	<u>Description</u>	<u>Make or Type</u>	<u>Model</u>	<u>Capacity</u>	<u>Throughput</u>
S12	Effluent Wastewater Tank, TK-4606	Fixed Roof		571,000 gal	Exempt (Regulation 2-1-123.2)
S26	Effluent Wastewater Tank, TK-4613	Fixed Roof		3,800 gal	Exempt (Regulation 2-1-123.2)
S28	Effluent Wastewater Tank, TK-4611B	Fixed Roof		88,000 gal	Exempt (Regulation 2-1-123.2)
NA	TK-4609, Spent Caustic	Fixed Roof		51618 gal	Exempt (Regulation 2-1-123.2)
NA	TK-4618, Nalco EC-1005A	Fixed Roof		330 gal	Exempt (Regulation 2-1-123.2)
NA	TK-4666, NALCO EC-2425A	Fixed Roof		400 gal	Exempt (Regulation 2-1-123.2)
NA	TK-4673, Liquid Antistrip AD-HERE LOF 65-00	Fixed Roof		260 gal	Exempt (Regulation 2-1-123.3.2 IBP)
S32100	Fugitive sources – Vacuum Producing Systems	NA	NA	NA	Exempt
S32101	Fugitive sources – Process Vessel Depressurization	NA	NA	NA	Exempt
S32102	Fugitive sources – Valves and Flanges	NA	NA	NA	Exempt
S32103	Fugitive sources – Pumps & Compressor Seals	NA	NA	NA	Exempt
S32104	Fugitive sources – Pressure Relief Valves	NA	NA	NA	Exempt
S32105	Fugitive sources – Process Drains	NA	NA	NA	Exempt

III. GENERALLY APPLICABLE REQUIREMENTS

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

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

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

The full language of SIP requirements is on EPA Region 9's website. The address is:
<http://yosemite.epa.gov/r9/r9sips.nsf/Agency?ReadForm&count=500&state=California&cat=Bay+Area+Air+Quality+Management+District-Agency-Wide+Provisions>.

[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 2 · Rule 5	New Source Review of Toxic Air Contaminants (6/15/05)	N
BAAQMD · Regulation 2 · Rule 9	Permits, Interchangeable Emission Reduction Credits (6/15/05)	N
BAAQMD · Regulation 3	Fees (6/6/07)	N

III. Generally Applicable Requirements

Generally Applicable Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)
SIP Regulation 3	Fees (5/3/84)	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, Rule 1	Particulate Matter and Visible Emissions (4/19/99) (12/5/07)	Y N
SIP Regulation 6	Particulate Matter and Visible Emissions (9/4/98)	Y
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 15	Organic Compounds – Emulsified and Liquid Asphalts (6/1/94)	Y
BAAQMD Regulation 8, Rule 16	Organic Compounds – Solvent Cleaning Operations (10/16/02)	Y
BAAQMD Regulation 8, Rule 40	Organic Compounds - Aeration of Contaminated Soil and Removal of Underground Storage Tanks (6/15/05)	N
SIP Regulation 8, Rule 40	Organic Compounds - Aeration of Contaminated Soil and Removal of Underground Storage Tanks (4/19/01)	Y
BAAQMD Regulation 8, Rule 47	Organic Compounds - Air Stripping and Soil Vapor Extraction Operations (6/15/05)	N
SIP Regulation 8, Rule 47	Organic Compounds - Air Stripping and Soil Vapor Extraction Operations (4/26/95)	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	N

III. Generally Applicable Requirements

Generally Applicable Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)
	and Manufacturing (10/7/98)	
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
California Health and Safety Code Section 41750 et seq.	Portable Equipment	N
California Health and Safety Code Section 44300 et seq.	Air Toxics "Hot Spots" Information and Assessment Act of 1987	N
California Health and Safety Code Title 17, Section 93116	Airborne Toxic Control Measure for Diesel Particulate Matter from Portable Engines Rated at 50 Horsepower and Greater	N
40 CFR Part 61, Subpart M	National Emission Standards for Hazardous Air Pollutants – National Emission Standard for Asbestos (7/20/046/19/95)	Y
40 CFR 40 CFR, Part 82 , Subpart F	Protection of Stratospheric Ozone; Recycling and Emissions Reduction (4/13/052/21/95)	
40 CFR 40 CFR, Part 82.156	Leak Repair	Y
40 CFR 40 CFR, Part 82.161	Certification of Technicians	Y
40 CFR 40 CFR, Part 82.166	Records of Refrigerant	Y
40 CFR 40 CFR, Part 82 , Subpart H	Protection of Stratospheric Ozone; Halon Emissions Reduction (3/5/98)	
40 CFR 40 CFR, Part 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:

<http://yosemite.epa.gov/r9/r9sips.nsf/Agency?ReadForm&count=500&state=California&cat=Bay+Area+Air+Quality+Management+District-Agency-Wide+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	
<u>BAAQMD Regulation 8, Rule 5</u>	<u>Organic Compounds, Storage of Organic Liquids (10/18/2006)</u>		

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
8-5-117	Limited Exemption, Low Vapor Pressure	N	
8-5-118	Limited Exemption, Gas Tight Requirement for approved emission control system in 8-5-306.2 does not apply if facility is subject to BAAQMD 8-18	N	
8-5-328	Tank Degassing Requirements	N	
8-5-328.1	Tank Degassing Requirements; Tanks > 75 cubic meters; Use 90% abatement device	N	
8-5-328.2	Tank Degassing Requirements; Ozone Excess Day Prohibition	Y	
8-5-331	Tank Cleaning Requirements, 90% Abatement Efficiency if abatement device used	N	
8-5-332	Sludge Handling Requirements (applies to sludge removed from any tank that was subject to BAAQMD 8-5 at any time since it was last put in service)	N	
8-5-332.1	Sludge Handling Requirements; sludge container no leaks	N	
8-5-332.2	Sludge Handling Requirements; sludge container gap requirements	N	
8-5-404	Inspection, Abatement Efficiency Determination, and Source Test Reports	N	
8-5-411	Enhanced Monitoring Program (Optional)	N	
8-5-411.1	Enhanced Monitoring Program (Optional); Notify BAAQMD of tanks selected for enhanced monitoring program	N	
8-5-411.2	Enhanced Monitoring Program (Optional); Criteria for operating enhanced monitoring program	N	
8-5-501	Records	N	
8-5-501.3	Records; Retention	N	
8-5-501.4	Records; New pressure vacuum valve setpoints	N	
8-5-502	Source Test Requirements and exemption for sources vented to fuel gas	N	
8-5-502.2	Source Test Requirements; Tank degassing and cleaning abatement devices	N	
8-5-602	Analysis of Samples, True Vapor Pressure	Y	
8-5-603	Determination of Abatement Efficiency	N	
8-5-604	Determination of Applicability Based on True Vapor Pressure	Y	
SIP BAAQMD Regulation 8, Rule 5	Storage of Organic Liquids (6/5/200311/27/02)		
8-5-117	Exemption, Low Vapor Pressure	Y	
8-5-328	Tank degassing requirements	Y	
8-5-328.1	Tank degassing requirements; Tanks >75 cubic meters	Y	
8-5-328.1.2	Tank degassing requirements; Tanks >75 cubic meters, Ann approved Emission Control system	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
8-5-328.2	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	
8-8-502	Wastewater Critical Organic Compound Concentration or Temperature Records	N	
8-8-504	Portable Hydrocarbon Detector	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
8-8-505	Records for Wastewater Collection System Components at Petroleum Refineries	N	
8-8-601	Wastewater Analysis for Critical OCs	Y	
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	
<u>BAAQMD Regulation 8, Rule 10</u>	<u>Organic Compound – Process Vessel Depressurization (1/21/04)</u>		
<u>8-10-301</u>	<u>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:</u>	<u>N</u>	
<u>8-10-302</u>	<u>Opening of Process Vessels</u>	<u>N</u>	
<u>8-10-401</u>	<u>Reporting</u>	<u>N</u>	
<u>8-10-501</u>	<u>Monitoring</u>	<u>N</u>	
<u>8-10-502</u>	<u>Concentration Measurement</u>	<u>N</u>	
<u>8-10-503</u>	<u>Records</u>	<u>N</u>	
<u>8-10-601</u>	<u>Monitoring Procedures</u>	<u>N</u>	
<u>SIP Regulation 8, Rule 10</u>	<u>Organic Compound – Process Vessel Depressurization (7/20/83)</u>		
<u>8-10-301</u>	<u>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:</u>	<u>Y</u>	
<u>8-10-301.1</u>	<u>recovery to the fuel gas system</u>	<u>Y</u>	
<u>8-10-301.2</u>	<u>combustion at a firebox or incinerator</u>	<u>Y</u>	
<u>8-10-301.3</u>	<u>combustion at a flare</u>	<u>Y</u>	

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
8-10-301.4	containment such that emissions to atmosphere do not occur	Y	
8-10-401	Turnaround Records. The following records shall be kept for each process unit turnaround, and retained for at least 2 years and made available to the District on demand during inspections:	Y	
8-10-401.1	date of depressurization event	Y	
8-10-401.2	approximate vessel hydrocarbon concentration when emissions to atmosphere begin	Y	
8-10-401.3	approximate quantity of POC emissions to atmosphere	Y	
BAAQMD 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)		
9-1-313	Sulfur Removal Operations at Petroleum Refineries	Y Y	
9-1-313.2	Sulfur Removal and Recovery System	Y Y	
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	

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
9-2-601	Ground Level Monitoring	N	
BAAQMD Regulation 10	New Source Performance Standards Incorporation by Reference (2/16/00)		
10-1	40-CFR 40 CFR, Part 60 Subpart A	<u>Y</u>	
10-17	40-CFR 40 CFR, Part 60 Subpart Kb	<u>Y</u>	
BAAQMD · Regulation 11 · Rule 12	NESHAPS Incorporation by Reference, 40-CFR40 CFR, Part- 61 Subpart FF Benzene Waste (01/05/1994)	<u>Y</u>	
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	New Source Performance Standards (NSPS) 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 40 CFR, Part 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)		
40-CFR 40 CFR, Part	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
60.110b(b)			
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, Part 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, Part 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	

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(a)	Requirements for facilities < 10 tons benzene/year <u>calculating total annual benzene quantity from facility waste (TAB)</u>	Y	
61.342(b)	Standards: General; Request for waiver of compliance <u>Compliance for facilities with TAB >= 10 Mg/year</u>	Y	
61.342(c)(1)	<u>Requirements for treating non-aqueous wastes (less than 10% water) for compliance with 61.342(e) compliance option</u> Standards: General; Treat benzene-containing waste streams in accordance with 61.342(e)(1)(i), 61.342(e)(1)(ii) and 61.342(e)(1)(iii)	Y	
61.342(e)(1)(i)	Standards: General; Remove or destroy benzene in accordance with 61.348.	Y	
61.342(e)(1)(ii)	Standards: General; Comply with 61.343 through 61.347 for treatment units operated in accordance with 61.342(e)(1)(i)	Y	
61.342(c)(1)(iii)	<u>Requirements for treating non-aqueous wastes (less than 10% water) for compliance with 61.342(e) compliance option</u> Standards: General; Comply with 61.343 through 61.347 for treatment-waste management units used for wastes that will be recycled to the process or process feed tank. for recycled wastes. Recycled wastes subject to 61.342(e)	Y	
61.342(e)	Standards: General; <u>Compliance option – Treat to 6 or 6BQ Option</u> Alternative to 61.342(e) and 61.342(d)	Y	
61.342(e)(1)	<u>Requirements for treating non-aqueous wastes (less than 10% water) for compliance with 61.342(e) compliance option – comply with 61.342(c)(1)</u> ; Standards: General; Treat waste with a flow-weighted annual average water content of less than 10% per 61.342(e)(1)	Y	
61.342(e)(2)	<u>Requirements for treating aqueous wastes (greater than 10% water) for compliance with 61.342(e) compliance option</u> ; Standards: General; Treatment of waste with a flow-weighted annual average water content of 40% or more by volume.	Y	
61.342(e)(2)(i)	Standards: General; [Uncontrolled] 61.342(e)(2) Waste Uncontrolled aqueous waste shall not contain more than 6.0 Mg/yr benzene (target benzene quantity (TBQ)).	Y	
61.342(e)(2)(ii)	Standards: General; Determine 61.342(e)(2)-benzene <u>quality-quantity in each uncontrolled aqueous waste stream</u> per 61.355(k).	Y	
61.342(g)	Compliance <u>determined using by</u> review of facility records, results of tests and inspections	Y	
<u>61.343</u>	<u>Standards: Tanks (applies if Baker tanks are used for non-aqueous wastes)</u>	<u>Y</u>	
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	

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
61.345(c)	Standards: Containers--Repairs	Y	
61.346(b)	Alternate compliance provisions for Individual Drain Systems	Y	
61.346(b)(1)	Water seals on drains	Y	
61.346(b)(2)	Cover and vent pipe	Y	
61.346(b)(2) (i)	Tight seals on junction boxes	Y	
61.346(b)(2) (ii)	Control of emissions from junction box vent pipe	Y	
61.346(b)(2) (ii)(A)	Prevention of flow of vapors from junction box vent pipe	Y	
61.346(b)(3)	No cracks on exposed sewer lines	Y	
61.346(b)(4)	Equipment Inspections	Y	
61.346(b)(4) (i)	Monitor water seals on drains quarterly	Y	
61.346(b)(4) (iii)	Monitor seals on junction boxes quarterly	Y	
61.346(b)(4) (iv)	Monitor for cracks on exposed sewer lines quarterly	Y	
61.346(b)(5)	Repair as soon as practicable but no later than 15 days after identification	Y	
61.348(a)	Requirements for treatment of waste streams	Y	
61.348(a)(5)	Aggregation of process wastewater, product tank drawdown, or landfill leachate	Y	
61.348(b)	Requirements for facilities that aggregate process wastewater, product tank drawdown, and/or landfill leachate	Y	
61.349	Standards: Closed vent systems and control devices (applies if Baker tanks are used for non-aqueous wastes)	Y	
61.350	Delay of repair	Y	
61.350(a)	Delay of repair; allowed if infeasible without shutdown	Y	
61.350(b)	Delay of repair; complete repairs before end of next unit shutdown	Y	
61.355	Test Methods, Procedures, and Compliance Provisions	Y	
61.355(a)	Determination of total annual benzene quantity (TAB) from facility waste (use procedure to determine target benzene quantity (TBQ) for aqueous wastes per 61.355(k)(1))	Y	
61.355(a)(1)	Waste streams containing more than 10% water Requirements for determining annual benzene quantity for aqueous wastes (greater than 10% water)	Y	
61.355(a)(2)	Calculation of total annual benzene quantity (TAB) from facility waste	Y	
61.355(a)(3)	TAB r Requirements if annual benzene quantity is greater than 11 ton/yr	Y	

IV. Source Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
61.355(a)(6)	Benzen quantity <u>Calculate TAB</u> from streams generated less than once per year	Y	
61.355(b)	Determine annual waste quantity at point of generation <u>unless otherwise specified</u>	Y	
61.355(b)(1)	Determination of annual waste quantity for sour water streams <u>at exit from sour water stripper</u>	Y	
<u>61.355(b)(5)</u>	<u>Method to determine annual waste quantity – Option 1 – Historical records</u>	<u>Y</u>	
<u>61.355(b)(6)</u>	<u>Method to determine annual waste quantity – Option 2 – Maximum design capacity</u>	<u>Y</u>	
61.355(b)(7)	<u>Method to determine annual waste quantity – Option 3 – Measurements must be</u> representative of maximum waste generation rate	Y	
61.355(c)	Determination of flow-weighted annual average benzene concentration	<u>Y</u>	
61.355(c)(1)	Criteria for determination of flow-weighted annual average benzene concentration	Y	
61.355(c)(1)(i)	<u>Criteria for determination of flow-weighted annual average benzene concentration:</u> Determination made at point of waste generation	Y	
61.355(c)(1)(i)(A)	<u>Criteria for determination of flow-weighted annual average benzene concentration:</u> Determination for sour water streams	Y	
61.355(c)(1)(ii)	<u>Criteria for determination of flow-weighted annual average benzene concentration:</u> Volatilization of benzene by exposure to air shall not be used in determination	Y	
61.355(c)(1)(iii)	<u>Criteria for determination of flow-weighted annual average benzene concentration:</u> Mixing or diluting the waste stream shall not be used in determination	Y	
61.355(c)(1)(iv)	Determination shall be made prior to treatment	Y	
61.355(c)(1)(v)	<u>Criteria for determination of flow-weighted annual average benzene concentration:</u> Determination for mixed-phase wastes	Y	
61.355(c)(2)	<u>Method for determining flow-weighted annual average benzene concentration – OPTION 1:</u> Knowledge of the waste	Y	
61.355(c)(3)	<u>Method for determining flow-weighted annual average benzene concentration – OPTION 2:</u> Measurements of benzene concentration	Y	
61.355(k)	Determination of <u>target</u> benzene quantity (<u>TBO</u>) for purposes of calculation <u>required by 61.342(e)(2)</u>	Y	
61.355(k)(1)	<u>TBO in wW</u> aste streams not controlled for air emissions – <u>use 61.355(a) methods</u>	Y	
61.355(k)(2)	<u>TBO in wW</u> aste streams controlled for air emissions	Y	
61.355(k)(3)	<u>TBO in wW</u> aste streams generated less than once per year	Y	
<u>61.355(k)(4)</u>	<u>TBO – exclusion for waste streams entering an enhanced biodegradation unit</u>	<u>Y</u>	
61.355(k)(5)	Determination of <u>Calculate</u> benzene quantity in waste streams controlled	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
	for air emissions		
61.355(k)(6)	Calculation of total target benzene quantity <u>(TBO)</u>	Y	
61.355(k)(7)	Multiple counting of benzene quantity of a waste stream	Y	
61.356	Recordkeeping Requirements	Y	
61.356(a)	Recordkeeping and retention requirements	Y	
61.356(b)	<u>Recordkeeping Requirements:</u> Waste stream records	Y	
61.356(b)(4)	<u>Recordkeeping Requirements:</u> Waste stream records for controlled -waste streams <u>subject to 61.342(e) (Treat to 6 compliance option)</u>	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	
61.356(k)	Recordkeeping Requirements: Equipment complying with 61.351 or 61.352	Y	
61.357	Reporting Requirements	Y	
61.357(a)(1)	<u>Annual Report [61.357(d)(2)] contents:</u> - Reporting of total annual benzene quantity from facility waste	Y	
61.357(a)(2)	<u>Annual Report [61.357(d)(2)] contents:</u> Table identifying each waste stream and whether controlled	Y	
61.357(a)(3)	<u>Annual Report [61.357(d)(2)] contents:</u> Information for uncontrolled streams	Y	
61.357(d)	Reporting Requirements: Facilities with <u>TAB greater than or equal to 10 Mg/yr or more total benzene in waste</u>	Y	
61.357(d)(2)	Annual reports <u>— contents per 61.357(a)(1), (2), and (3)</u>	Y	
61.357(d)(5)	Reports of compliance with alternative requirements 61.342(e) <u>[Treat to 6 compliance option]</u>	Y	
61.357(d)(6)	Quarterly certifications <u>of inspections</u>	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°C or more below design combustion zone temperature for thermal vapor incinerators	Y	
61.357(d)(7)	Reports of periods of temperatures of 28°C or more below design combustion zone temperature for boiler or process heater less than 150	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
(iv)(C)	MMbtu/hr		
61.357(d)(7) (iv)(G)	Reports of change of location at which vent stream introduced into flame zone	Y	
61.357(d)(7) (iv)(H)	Reports of carbon not replaced at predetermined interval	Y	
61.357(d)(8)	Annual Reports of summary of all inspections	Y	
61.357(e)	Notification of alternative standard (61.351 or 61.352)	Y	
61.357(f)	Reporting requirements for equipment complying with 61.351 or 61.352	Y	
40 CFR 40 CFR, Part 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 40 CFR, Part 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	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
	vents		
63.640(g)	Applicability and Designation of Affected Source--Exempt Processes	Y	
63.640(h)	Applicability and Designation of Affected Source--Compliance dates	Y	
63.640(i)	Applicability and Designation of Affected Source--New petroleum refining process unit requirements	Y	
63.640(j)	Applicability and Designation of Affected Source--Changes to existing petroleum refining process units	Y	
63.640(k)	Applicability and Designation of Affected Source--Additional requirements for new or changed sources	Y	
63.640(l)	Applicability and Designation of Affected Source--Additions of equipment (i.e. process vents, storage vessels, etc) in Group 1 sources not subject to 63.640(i) or (k).	Y	
63.640(m)	Applicability and Designation of Affected Source--Changes causing Group 2 emission points to become Group 1 points	Y	
63.640(q)	For overlap of subpart CC with local or State regulations, the permitting authority for the affected source may allow consolidation of the monitoring, recordkeeping, and reporting requirements under this subpart.	Y	
63.641	Definitions: (arranged alphabetically) Group 1 wastewater stream, Group 2 wastewater stream, miscellaneous process vents (specifically does not include emissions from wastewater collection and conveyance systems).	Y	
63.642	General Standards	Y	
63.642(a)	Apply for a part 70 or part 71 operating permit	Y	
63.642(c)	Table 6 of this subpart specifies the Subpart A provisions that apply.	Y	
63.642(d)	Initial performance tests and compliance determinations shall be required only as specified in this subpart	Y	
63.642(e)	Keep copies of all applicable reports and records for at least 5 years, except as otherwise specified in this subpart.	Y	
63.642(f)	All reports required by this subpart shall be sent to the Administrator	Y	
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 40 CFR, Part 61, Subpart	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
	FF		
63.654(e)	Periodic Reporting and Recordkeeping Requirements	Y	
63.654(g)	Semi-Annual Reporting and Recordkeeping Requirements	Y	
63.654(h)(1)	Reports of startup, shutdown, and malfunction	Y	
63.654(h)(2)	Notifications of inspections for storage vessels	Y	
63.654(i)(1)	Records for storage vessels	Y	
63.654(i)(4)	Information required by 63.654(h)	Y	
Appendix Table 1	Hazardous Air Pollutants	Y	
Appendix Table 6	Hazardous Air Pollutants General Provisions Applicability to Subpart CC	Y	
<u>40 CFR Part 98</u>	<u>Mandatory Greenhouse Gas Reporting</u>	<u>Y</u>	
<u>Subpart A</u>	<u>General Provisions</u>	<u>Y</u>	
<u>Subpart C</u>	<u>General Stationary Fuel Combustion Sources</u>	<u>Y</u>	
<u>Subpart Y</u>	<u>Petroleum Refineries</u>	<u>Y</u>	
<u>Subpart MM</u>	<u>Suppliers of Petroleum Products</u>	<u>Y</u>	
BAAQMD Condition #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	

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

IV. Source Specific Applicable Requirements

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

Table IV – BC
Source-specific Applicable Requirements
S3, GAS OIL STORAGE TANK, TK-4601C

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 5	Organic Compounds, Storage of Organic Liquids (10/18/2006)		
8-5-117	Limited Exemption, Low Vapor Pressure	N	
BAAQMD SIP Regulation 8, Rule 5	Organic Compounds, Storage of Organic Liquids (06/05/200311/27/02)		
8-5-117	Exemption, Low Vapor Pressure	Y	
40 CFR 40 CFR, Part 63 Subpart CC	National Emission Standards for Hazardous Pollutants for Petroleum Refining (6/23/03) Requirements for Group 2 Tanks		
63.640(c)(2)	Applicability and Designation of Affected Source – storage vessels	Y	
63.646(b)(1)	Storage Vessel Provisions--Determine stored liquid % OHAP for group determination	Y	
63.646(b)(2)	Storage Vessel Provisions--Determine stored liquid % OHAP-method 18 to resolve disputes	Y	
63.654(i)(+)	Reporting and Recordkeeping Requirements--Recordkeeping for storage vessels	Y	
63.654(i)(1)(iv)	Reporting and Recordkeeping Requirements--Recordkeeping for Group 2 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	

IV. Source Specific Applicable Requirements

Table IV – BC
Source-specific Applicable Requirements
S3, GAS OIL STORAGE TANK, TK-4601C

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
<u>Part II.32a</u>	<u>Control and Destruction Efficiency Requirement (Regulation 8-5-306, NSPS, Cumulative Increase, BACT, Toxics)</u>	<u>Y</u>	
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	
<u>Part II.43</u>	<u>Control Requirement (BACT, Cumulative Increase, offsets)</u>	<u>Y</u>	
<u>Part II.44</u>	<u>Vapor recovery and fugitive emission requirement (BACT, Cumulative Increase, offsets)</u>	<u>Y</u>	
Part II.45	Requirement for gasketed tank fittings (BACT)	Y	
Part II.46	Recordkeeping (Cumulative Increase)	Y	
Part II.58b	Continuous Temperature Monitoring (40 CFR <u>40 CFR, Part 60.113b(c)(1)(ii) and 60.113b(c)(2); 40 CFR 60.473(c); 40 CFR 61.354(e)(1), 61.354(e)(4), Regulation 2-6-409.2.2, 2-6-414)</u>)	Y	
<u>Part II.94</u>	<u>Contain Emissions in Closed Vent System (Cumulative Increase)</u>	<u>Y</u>	
<u>Part II.95</u>	<u>Closed Vent System Recordkeeping Requirements (Cumulative Increase)</u>	<u>Y</u>	
<u>Part II.96</u>	<u>Closed Vent System P/V Valve VOC limit (Cumulative Increase)</u>	<u>Y</u>	
<u>BAAQMD Condition #20762</u>			
<u>Part 1</u>	<u>Vapor Pressure Verification when switching exempt storage liquids</u>	<u>Y</u>	
<u>Part 2</u>	<u>Requirements to switch from low vapor pressure liquid to liquid with vapor pressure > 0.5 psia</u>	<u>Y</u>	
<u>Part 3</u>	<u>Retain results of vapor pressure testing for five years</u>	<u>Y</u>	

Table IV - D-C
Source-specific Applicable Requirements
S5, S6, S7, S8, S37, S38, S51, S52, S53, S60, S61, S62, S65
ASPHALT STORAGE TANKS
S37, S38, RUBBERIZED ASPHALT SALES TANKS

IV. Source Specific Applicable Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6, Rule 1	Particulate Matter, <u>General Requirements and Visible Emissions</u> (12/19/9012/5/2007)		
6-1-301	Ringelmann #1 Limitation	<u>N</u>	
6-1-305	Visible Particles	<u>N</u>	
6-1-310	Particulate Weight Limitation	<u>N</u>	
6-1-401	Appearance of Emissions	<u>N</u>	
<u>6-1-601</u>	<u>Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions</u>	<u>N</u>	
SIP Regulation 6	Particulate Matter and Visible Emissions (9/4/1998)		
<u>6-301</u>	<u>Ringelmann #1 Limitation</u>	<u>Y</u>	
<u>6-305</u>	<u>Visible Particles</u>	<u>Y</u>	
<u>6-310</u>	<u>Particulate Weight Limitation</u>	<u>Y</u>	
<u>6-401</u>	<u>Appearance of Emissions</u>	<u>Y</u>	
<u>6-601</u>	<u>Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions</u>	<u>Y</u>	
BAAQMD Regulation 8, Rule 5	Organic Compounds, Storage of Organic Liquids (10/18/2006)		
<u>8-5-117</u>	<u>Limited Exemption, Low Vapor Pressure</u>	<u>N</u>	
BAAQMD SIP Regulation 8, Rule 5	Organic Compounds, Storage of Organic Liquids (06/05/200311/27/02)		
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	
BAAQMD Regulation 10	New Source Performance Standards Incorporation by Reference (2/16/00)		
<u>10-51</u>	<u>40-CFR40 CFR, Part, -60 Subpart UU</u>	<u>Y</u>	
40-CFR40 CFR, Part 60 Subpart UU	Standards of Performance for Asphalt Processing and Asphalt Roofing Manufacture (10/17/00)		
<u>60.470(a)</u>	<u>Applicability and designation of affected facilities; asphalt storage tanks</u>	<u>Y</u>	

IV. Source Specific Applicable Requirements

Table IV - ~~D-C~~
Source-specific Applicable Requirements
S5, S6, S7, S8, ~~S37, S38, S51, S52, S53, S60, S61, S62, S65~~
ASPHALT STORAGE TANKS
~~S37, S38, RUBBERIZED ASPHALT SALES TANKS~~

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.470(b)	Applicability and designation of affected facilities: asphalt storage tanks	<u>Y</u>	
60.472(c)	Asphalt storage tank opacity standard	Y	
60.473(c)	Parametric monitoring	Y	
60.473(d)	Exemption from quarterly reports	Y	
60.474(c)(5)	Test methods and procedures: use Method 9 and 60.11 to determine opacity	<u>Y</u>	
40 CFR 40 CFR, Part 63 Subpart CC	National Emission Standards for Hazardous Pollutants for Petroleum Refining (6/23/03) Requirements for Group 2 Tanks		
63.640(c)(2)	Applicability and Designation of Affected Source – storage vessels	<u>Y</u>	
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)(+)	Reporting and Recordkeeping Requirements--Recordkeeping for storage vessels	Y	
63.654(i)(1)(iv)	Reporting and Recordkeeping Requirements--Recordkeeping for Group 2 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.32a	Control and Destruction Efficiency Requirement (Regulation	<u>Y</u>	

IV. Source Specific Applicable Requirements

Table IV - ~~D-C~~
Source-specific Applicable Requirements
S5, S6, S7, S8, S37, S38, S51, S52, S53, S60, S61, S62, S65
ASPHALT STORAGE TANKS
S37, S38, RUBBERIZED ASPHALT SALES TANKS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	<u>8-5-306, NSPS, Cumulative Increase, BACT, Toxics</u>		
Part II.48	<u>Combined</u> Throughput Limit <u>S5, S6, S7, S8, S37, S38, S51, S52, S53, S60, S61, S62, and S65</u> (Cumulative Increase, Offsets)	Y	
Part II.49	Prohibition against cutback asphalt (Toxics)	Y	
Part II.50	Vapor Pressure Limit <u>S5, S6, S7, S8, S37, S38, S51, S52, S53, S60</u> (Cumulative Increase, Offsets)	Y	
<u>Part II.51</u>	<u>Vapor Pressure Limit S61, S62 (Cumulative Increase, Offsets, BACT)</u>	<u>Y</u>	
<u>Part II.52</u>	<u>Vapor Pressure Limit S65 (Cumulative Increase, Offsets, BACT)</u>	<u>Y</u>	
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 40 CFR, Part 60.113b(c)(1)(ii) and 60.113b(c)(2); 40 CFR 40 CFR, Part 60.473(c); 40 CFR 61.354(e)(1), 61.354(e)(4) , Regulation 2-6-409.2.2, 2-6-414)	Y	
<u>Part II.93</u>	<u>Contain Emissions in Closed Vent System for S5, S6, S7, S8. (Cumulative Increase)</u>	<u>Y</u>	
<u>Part II.94</u>	<u>Contain Emissions in Closed Vent System for S37, S38, S51, S52, S53, S60, S61, S62, S65. (Cumulative Increase)</u>	<u>Y</u>	
<u>Part II.95</u>	<u>Closed Vent System Recordkeeping Requirements (Cumulative Increase)</u>	<u>Y</u>	
<u>Part II.96</u>	<u>Closed Vent System P/V Valve VOC limit (Cumulative Increase)</u>	<u>Y</u>	
<u>BAAQMD Condition #20762</u>			
<u>Part 1</u>	<u>Vapor Pressure Verification when switching exempt storage liquids</u>	<u>Y</u>	
<u>Part 2</u>	<u>Requirements to switch from low vapor pressure liquid to liquid with vapor pressure > 0.5 psia</u>	<u>Y</u>	
<u>Part 3</u>	<u>Retain results of vapor pressure testing for five years</u>	<u>Y</u>	

IV. Source Specific Applicable Requirements

Table IV - DE
Source-specific Applicable Requirements
S9, NAPHTHA STORAGE TANK, TK-4607
INTERNAL FLOATING ROOF TANK

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
<u>BAAQMD Regulation 8, Rule 5</u>	<u>Organic Compounds, Storage of Organic Liquids (10/18/2006)</u>		
8-5-111	<u>Limited Exemption, Tank Removal From and Return to Service</u>	<u>N</u>	
8-5-111.1	<u>Limited Exemption, Tank Removal From and Return to Service, Notification</u>	<u>Y</u>	
8-5-111.2	<u>Limited Exemption, Tank Removal From and Return to Service; Tank in compliance at time of notification</u>	<u>N</u>	
8-5-111.3	<u>Limited Exemption, Tank Removal From and Return to Service; Filling, emptying, refilling floating roof tanks</u>	<u>Y</u>	
8-5-111.5	<u>Limited Exemption, Tank Removal From and Return to Service; Minimize emissions and, if required, degas per 8-5-328</u>	<u>N</u>	
8-5-111.6	<u>Limited Exemption, Tank Removal From and Return to Service; Self report if out of compliance during exemption period</u>	<u>N</u>	
8-5-112	<u>Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation</u>	<u>N</u>	
8-5-112.1	<u>Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; Notification</u>	<u>Y</u>	
8-5-112.2	<u>Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; Tank in compliance at time of notification</u>	<u>N</u>	
8-5-112.3	<u>Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; No product movement, Minimize emissions</u>	<u>Y</u>	
8-5-112.4	<u>Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; Not to exceed 7 days</u>	<u>N</u>	
8-5-112.5	<u>Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; Self report if out of compliance during exemption period</u>	<u>N</u>	
8-5-112.6	<u>Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; Keep records for each exemption</u>	<u>N</u>	
8-5-117	<u>Limited Exemption, Low Vapor Pressure</u>	<u>N</u>	
8-5-119	<u>Limited Exemption, Repair Period</u>	<u>N</u>	
8-5-301	<u>Storage Tank Control Requirements</u>	<u>N</u>	
8-5-305	<u>Requirements for Internal Floating Roof Tanks;</u>	<u>N</u>	
8-5-305.2	<u>Requirements for Internal Floating Roof Tanks; Seals installed after 2/1/1993</u>	<u>Y</u>	
8-5-305.3	<u>Requirements for Internal Floating Roof Tanks; Viewports in fixed roof tank; not required if dome roof has translucent panels.</u>	<u>Y</u>	
8-5-305.4	<u>Requirements for internal Floating Roof Tanks; Tank fittings (8-5-320)</u>	<u>Y</u>	
8-5-305.5	<u>Requirements for internal Floating Roof Tanks; Floating roof requirements</u>	<u>N</u>	
8-5-305.6	<u>Requirements for internal Floating Roof Tanks; Tank shell</u>	<u>N</u>	
8-5-320	<u>Floating Roof Tank Fitting Requirements</u>	<u>N</u>	
8-5-320.2	<u>Floating Roof Tank Fitting Requirements; Projection below liquid surface</u>	<u>N</u>	

IV. Source Specific Applicable Requirements

Table IV - DE
Source-specific Applicable Requirements
S9, NAPHTHA STORAGE TANK, TK-4607
INTERNAL FLOATING ROOF TANK

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-5-320.3	Floating Roof Tank Fitting Requirements: Gasketed covers, seals, lids	<u>N</u>	
8-5-320.3.1	Floating Roof Tank Fitting Requirements: Gasketed covers, seals, lids - Gap requirements	<u>Y</u>	
8-5-320.3.2	Floating Roof Tank Fitting Requirements: Inaccessible opening requirements	<u>Y</u>	
8-5-320.4	Floating Roof Tank Fitting Requirements: Solid sampling or gauging wells	<u>Y</u>	
8-5-320.4.1	Floating Roof Tank Fitting Requirements: Solid sampling or gauging wells: Projection below liquid surface	<u>Y</u>	
8-5-320.4.2	Floating Roof Tank Fitting Requirements: Solid sampling or gauging wells: Cover, seal, or lid gap requirements	<u>Y</u>	
8-5-320.4.3	Floating Roof Tank Fitting Requirements: Solid sampling or gauging wells: Total secondary seal gap must include well gap	<u>Y</u>	
8-5-320.5	Floating Roof Tank Fitting Requirements: Slotted sampling or gauging wells	<u>N</u>	
8-5-320.5.1	Floating Roof Tank Fitting Requirements: Slotted sampling or gauging wells: Projection below liquid surface	<u>Y</u>	
8-5-320.5.2	Floating Roof Tank Fitting Requirements: Slotted sampling or gauging wells: Cover, gasket, pole sleeve	<u>N</u>	
8-5-320.5.3	Floating Roof Tank Fitting Requirements: Slotted sampling or gauging wells: Total secondary seal gap must include well gap	<u>Y</u>	
8-5-321	Primary Seal Requirements	<u>N</u>	
8-5-321.1	Primary Seal Requirements: No holes, tears, other openings	<u>Y</u>	
8-5-321.2	Primary Seal Requirements: The seal shall be metallic shoe or liquid mounted except as provided in 8-5-305.1.3	<u>Y</u>	
8-5-321.3	Primary Seal Requirements: Metallic-shoe-type seal requirements	<u>N</u>	
8-5-321.3.1	Primary Seal Requirements: Metallic-shoe-type seal requirements-- geometry of shoe	<u>Y</u>	
8-5-321.3.2	Primary Seal Requirements: Metallic-shoe-type seal requirements-- welded tanks	<u>Y</u>	
8-5-322	Secondary Seal Requirements	<u>N</u>	
8-5-322.1	Secondary Seal Requirements: No holes, tears, other openings	<u>Y</u>	
8-5-322.2	Secondary Seal Requirements: Insertion of probes	<u>Y</u>	
8-5-322.3	Secondary Seal Requirements: Gap requirements for all tanks	<u>Y</u>	
8-5-322.5	Secondary Seal Requirements: Gap requirements for welded external floating roof tanks with seals installed after 9/4/1985 or welded internal floating roof tanks with seals installed after 2/1/1993	<u>Y</u>	
8-5-322.6	Secondary Seal Requirements: Extent of seal	<u>Y</u>	
8-5-328	Tank Degassing Requirements	<u>N</u>	
8-5-328.1	Tank Degassing Requirements: Tanks > 75 cubic meters	<u>N</u>	
8-5-328.2	Tank Degassing Requirements: Ozone excess day prohibition	<u>Y</u>	
8-5-328.3	Tank Degassing Requirements: BAAQMD notification required	<u>N</u>	

IV. Source Specific Applicable Requirements

Table IV - DE
Source-specific Applicable Requirements
S9, NAPHTHA STORAGE TANK, TK-4607
INTERNAL FLOATING ROOF TANK

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-5-331	Tank Cleaning Requirements; 90% Abatement Efficiency if abatement device used	<u>N</u>	
8-5-331.1	Tank Cleaning Requirements; Cleaning material properties	<u>N</u>	
8-5-331.2	Tank Cleaning Requirements; Steam cleaning prohibition	<u>N</u>	
8-5-331.3	Tank Cleaning Requirements; Steam cleaning exceptions	<u>N</u>	
8-5-402	Inspection Requirements for Internal Floating Roof Tanks	<u>N</u>	
8-5-402.1	Inspection Requirements for Internal Floating Roof Tanks; Primary and secondary seal inspections	<u>Y</u>	
8-5-402.2	Inspection Requirements for Internal Floating Roof Tanks; Visual Inspections of Outermost Seal	<u>N</u>	
8-5-402.3	Inspection Requirements for Internal Floating Roof Tanks; Tank Fitting Inspections	<u>N</u>	
8-5-404	Inspection, Abatement Efficiency Determination, and Source Test Reports	<u>N</u>	
8-5-411	Enhanced Monitoring Program (Optional)	<u>N</u>	
8-5-411.3	Enhanced Monitoring Program (Optional); Performance requirements	<u>N</u>	
8-5-501	Records	<u>N</u>	
8-5-501.1	Records; Type and amounts of liquid, type of blanket gas, TVP - Retain 24 months	<u>Y</u>	
8-5-501.2	Records; Internal and External Floating Roof Tanks, Seal Replacement Records - Retain 10 years	<u>Y</u>	
8-5-501.3	Records; Retention	<u>N</u>	
8-5-602	Analysis of Samples, True Vapor Pressure	<u>Y</u>	
8-5-604	Determination of Applicability Based on True Vapor Pressure	<u>Y</u>	
8-5-605	Measurement of Leak Concentration and Residual Concentrations	<u>N</u>	
8-5-605.1	Measurement of Leak Concentration and Residual Concentrations; EPA Method 21 Instrument	<u>N</u>	
8-5-605.2	Measurement of Leak Concentration and Residual Concentrations; Test Methods	<u>N</u>	
8-5-606	Analysis of Samples, Tank Cleaning Agents	<u>N</u>	
8-5-606.1	Analysis of Samples, Tank Cleaning Agents; IBP	<u>N</u>	
8-5-606.2	Analysis of Samples, Tank Cleaning Agents; TVP	<u>N</u>	
8-5-606.3	Analysis of Samples, Tank Cleaning Agents; VOC	<u>N</u>	
BAAQMD SIP Regulation 8, Rule 5	Storage of Organic Liquids (41/27/0206/05/2003)		
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	Limited Exemption, Tank Removal From and Return to Service; Compliance before notification	Y	
8-5-111.3	Continuous and quick filling, emptying and refilling	Y	
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service;	Y	

IV. Source Specific Applicable Requirements

Table IV - DE
Source-specific Applicable Requirements
S9, NAPHTHA STORAGE TANK, TK-4607
INTERNAL FLOATING ROOF TANK

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	Minimization of emissions		
8-5-111.6	<u>Limited Exemption, Tank Removal From and Return to Service</u> ; Written notice of completion not required	Y	
8-5-111.7	<u>Limited Exemption, Tank Removal From and Return to Service</u> ; Compliance with Section 8-5-328	Y	
8-5-112	Limited Exemption, Tanks in Operation	Y	
8-5-112.1	Notice to the APCO	Y	
8-5-112.2	<u>Limited Exemption, Tanks in Operation</u> ; Compliance and certification before commencement of work <u>and certified per 8-5-404</u>	Y	
8-5-112.3	No product movement; minimization of emissions	Y	
8-5-112.4	<u>Limited Exemption, Tanks in Operation</u> ; Exemption does not exceed 7 days	Y	
8-5-117	<u>Limited Exemption, Low Vapor Pressure</u>	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	<u>Requirements for Internal Floating Roof Tanks</u> ; Floating roof requirements	Y	
8-5-320	Tank fitting requirements	Y	
8-5-320.2	<u>Floating Roof Tank Fitting Requirements: Projection below liquid surface</u> ; Openings in the floating roof except p/v valves and vacuum breaker vents	Y	
8-5-320.3	<u>Floating Roof Tank Fitting Requirements: Gasketed covers, seals, lids</u> ; 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	
8-5-320.5	<u>Floating Roof Tank Fitting Requirements: Slotted sampling or gauging wells</u>	Y	
8-5-320.5.2	<u>Floating Roof Tank Fitting Requirements: Slotted sampling or gauging wells; Cover, gasket, pole sleeve</u>	Y	
8-5-321	Primary seal requirements	Y	
8-5-321.1	No holes, tears, or other openings in the primary seal fabric	Y	
8-5-321.2	The seal shall be liquid mounted except as provided in 8-5-305.1.3	Y	
8-5-321.3	<u>Primary Seal Requirements: Metallic-shoe-type seals requirements</u>	Y	
8-5-321.3.1	Geometry of shoe	Y	
8-5-321.3.2	Gaps for welded tanks	Y	
8-5-322	Secondary seal requirements	Y	
8-5-322.1	No holes, tears, or other openings in the secondary seal	Y	

IV. Source Specific Applicable Requirements

Table IV - DE
Source-specific Applicable Requirements
S9, NAPHTHA STORAGE TANK, TK-4607
INTERNAL FLOATING ROOF TANK

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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	<u>Tank degassing requirements</u> ; Tanks larger than 75 m ³	Y	
8-5-328.1.2	<u>Tank degassing requirements</u> ; Tanks larger than 75 m ³ ; 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	
<u>8-5-402.2</u>	<u>Inspection Requirements for Internal Floating Roof Tanks; Visual Inspection of Outermost Seal</u>	<u>Y</u>	
<u>8-5-402.3</u>	<u>Inspection Requirements for Internal Floating Roof Tanks; Tank Fitting Inspections</u>	<u>Y</u>	
8-5-404	Certification	Y	
8-5-405	Information required	Y	
8-5-405.1	<u>Information required</u> ; Date of inspection	Y	
8-5-405.2	<u>Information required</u> ; Actual gap measurements	Y	
8-5-405.3	<u>Information required</u> ; Data, supported calculation	Y	
8-5-501	Records	Y	
8-5-503	Portable hydrocarbon detector	Y	
<u>BAAQMD Regulation 10</u>	<u>New Source Performance Standards Incorporation by Reference (2/16/00)</u>		
<u>10-17</u>	<u>40 CFR 40 CFR, Part 60 Subpart Kb</u>	<u>Y</u>	
<u>BAAQMD Regulation 11 Rule 12</u>	<u>NESHAPS Incorporation by Reference, 40 CFR 40 CFR, Part 61 Subpart FF Benzene Waste (01/05/1994)</u>	<u>Y</u>	
40 CFR 40 CFR, Part 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 roof option	Y	
60.112b(a)(1)(i)	Requirements for internal floating roof resting or floating on liquid surface. Exempt if the floating roof is landed on its support legs. When roof is resting on support legs, filling, emptying, and refilling	Y	

IV. Source Specific Applicable Requirements

Table IV - DE
Source-specific Applicable Requirements
S9, NAPHTHA STORAGE TANK, TK-4607
INTERNAL FLOATING ROOF TANK

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

IV. Source Specific Applicable Requirements

Table IV - DE
Source-specific Applicable Requirements
S9, NAPHTHA STORAGE TANK, TK-4607
INTERNAL FLOATING ROOF TANK

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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	
<u>40-CFR40 CFR, Part 61 Subpart FF</u>	<u>National Emission Standards for Hazardous Pollutants Benzene Waste Operations (12/04/2003) Requirements for Internal Floating Roof Tanks</u>		
<u>61.340(a)</u>	<u>Applicability: Chemical Manufacturing, Coke by-product recovery, petroleum refineries</u>	<u>Y</u>	
<u>61.342</u>	<u>Standards: General</u>	<u>Y</u>	
<u>61.342(c)(1)</u>	<u>Requirements for treating non-aqueous wastes (less than 10% water) for compliance with 61.342(e) compliance option</u>	<u>Y</u>	
<u>61.342(c)(1)(iii)</u>	<u>Requirements for treating non-aqueous wastes (less than 10% water) for compliance with 61.342(e) compliance option comply with 61.343 through 61.347 for waste management units used for wastes that will be recycled to the process or process feed tank.</u>	<u>Y</u>	
<u>61.342(e)</u>	<u>Standards: General; Compliance option – Treat to 6 or 6BQ Option</u>	<u>Y</u>	
<u>61.342(e)(1)</u>	<u>Requirements for treating non-aqueous wastes (less than 10% water) for compliance with 61.342(e) compliance option – comply with 61.342(c)(1) ;</u>	<u>Y</u>	
<u>61.342(g)</u>	<u>Compliance determined by review of facility records, results of tests and inspections</u>	<u>Y</u>	
<u>61.343(a)</u>	<u>Standards: Tanks; Benzene-containing wastes</u>	<u>Y</u>	
<u>61.346(b)</u>	<u>Alternate compliance provisions for Individual Drain Systems</u>	<u>Y</u>	
<u>61.346(b)(3)</u>	<u>No cracks on exposed sewer lines</u>	<u>Y</u>	
<u>61.346(b)(4)</u>	<u>Equipment Inspections</u>	<u>Y</u>	
<u>61.346(b)(4)(iv)</u>	<u>Monitor for cracks on exposed sewer lines quarterly</u>	<u>Y</u>	
<u>61.346(b)(5)</u>	<u>Repair as soon as practicable but no later than 15 days after identification</u>	<u>Y</u>	
<u>61.350</u>	<u>Delay of repair</u>	<u>Y</u>	
<u>61.350(a)</u>	<u>Delay of repair; allowed if infeasible without shutdown</u>	<u>Y</u>	
<u>61.350(b)</u>	<u>Delay of repair; complete repairs before end of next unit shutdown</u>	<u>Y</u>	
<u>61.351(a)(1)</u>	<u>Alternative Standards for Tanks; Internal floating roof meeting requirements of 40-CFR40 CFR, Part 60.112b(a)(1)</u>	<u>Y</u>	
<u>61.351(b)</u>	<u>Alternative Standards for Tanks; Tanks subject to 61.351 and exempt from 61.343</u>	<u>Y</u>	
<u>61.356(g)</u>	<u>Recordkeeping Requirements: Records of visual inspections of individual drain systems required by 61.346</u>	<u>Y</u>	

IV. Source Specific Applicable Requirements

Table IV - DE
Source-specific Applicable Requirements
S9, NAPHTHA STORAGE TANK, TK-4607
INTERNAL FLOATING ROOF TANK

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
61.356(k)	Recordkeeping Requirements: 61.351 control equipment must comply with 40 CFR40 CFR, Part 60.115b	<u>Y</u>	
61.357(f)	Reporting Requirements: 61.351 control equipment must comply with 40 CFR40 CFR, Part 60.115b	<u>Y</u>	
40 CFR40 CFR, Part 63 Subpart CC	National Emission Standards for Hazardous Pollutants for Petroleum Refining (6/23/03)		
63.640(c)(2)	Applicability and Designation of Affected Source – storage vessels Affected sources: Tanks	Y	
63.640(n)(1)	Applicability and Designation of Affected Source Overlap for Storage Vessels: Compliance Tanks subject to 40 CFR40 CFR, Part Subpart Kb is compliance with this part except as provided in 40 CFR 40 CFR, Part 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 NSPS Kb internal floating roof tanks	Y	
63.640(n)(8) (ii)	Structurally unsound roofs	Y	
63.640(n)(8) (iii)	Extensions for compliance	Y	
63.640(n)(8) (iv)	Additional reports if extension is used	Y	
63.640(n)(8) (v)	Subpart Kb reports may be submitted for this subpart. Permit holder has 60 days in lieu of Subpart Kb deadline.	Y	
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 - EF
Source-specific Applicable Requirements
S12 (TK-4606), S26 (TK-4613), S28 (TK-4611B)
-EXEMPT EFFLUENT WASTEWATER TANKS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
<u>BAAQMD Regulation 8, Rule 5</u>	<u>Organic Compounds, Storage of Organic Liquids (10/18/06)</u>		
8-5-117	<u>Limited Exemption, Low Vapor Pressure</u>	<u>N</u>	
SIP BAAQMD Regulation 8, Rule 5	<u>Organic Compounds, Storage of Organic Liquids (6/5/0311/27/02)</u>		
8-5-117	Exemption, Low Vapor Pressure	Y	
40 CFR 61 Subpart FF	National Emission Standards for Benzene Waste Operations (12/4/03) <u>Requirements for Uncontrolled Aqueous Waste Streams in 6BQ Facility</u>	Y	
61.340(a)	Applicability: Chemical Manufacturing, Coke by-product recovery, petroleum refineries	Y	
<u>61.341</u>	<u>Definitions</u>	<u>Y</u>	
<u>61.342</u>	<u>Standards: General</u>	<u>Y</u>	
<u>61.342(b)</u>	<u>Standards: General; Compliance for facilities with TAB >= 10 Mg/year</u>	<u>Y</u>	
<u>61.342(e)</u>	<u>Standards: General; Compliance option – Treat to 6 or 6BQ Option</u>	<u>Y</u>	
<u>61.342(e)(2)</u>	<u>Standards: General; Requirements for treating aqueous wastes (greater than 10% water) for compliance with 61.342(e) compliance option;</u>	<u>Y</u>	
<u>61.342(e)(2)(i)</u>	<u>Standards: General; [Uncontrolled] 61.342(e)(2) Waste shall not contain more than 6.0 Mg/yr benzene (target benzene quantity (TBQ).</u>	<u>Y</u>	
<u>61.342(e)(2)(ii)</u>	<u>Standards: General; Determine 61.342(e)(2) benzene quantity in each uncontrolled aqueous waste stream per 61.355(k).</u>	<u>Y</u>	
61.343(a)	<u>Standards: Tanks; Benzene containing wastes</u>	Y	
61.343(a)(1)	<u>Standards: Tanks; Fixed Roof with closed vent system</u>	Y	
61.343(a)(1)(i)(B)	<u>Standards: Tanks; Fixed Roof No openings</u>	Y	
61.343(a)(1)(ii)	<u>Standards: Tanks; Closed vent systems are subject to 61.349</u>	Y	
61.343(e)	<u>Standards: Tanks; Fixed roof quarterly inspection</u>	Y	
61.343(d)	<u>Standards: Tanks; Fixed roof repairs</u>	Y	
61.349(a)	<u>Standards: Closed Vent Systems and Control Devices; Applicability</u>	Y	
61.349(a)(1)	<u>Standards: Closed Vent Systems and Control Devices; Closed vent system requirements</u>	Y	
61.349(a)(1)(i)	<u>Standards: Closed vent systems and Control Devices—Closed vent system no detectable emission >= 500 ppmv, annual inspection</u>	Y	
61.349(a)(1)	<u>Car sealed valves on bypass lines in closed vent system</u>	Y	

IV. Source Specific Applicable Requirements

Table IV - EF
Source-specific Applicable Requirements
S12 (TK-4606), S26 (TK-4613), S28 (TK-4611B)
-EXEMPT EFFLUENT WASTEWATER TANKS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
(ii)(B)			
61.349(a)(1)(iii)	Gauging/sampling devices are gas-tight	Y	
61.349(a)(1)(iv)	Safety valve provisions	Y	
61.349(a)(2)(i)	Standards: Closed Vent Systems and Control Devices; Control device requirements	Y	
61.349(a)(2)(i)(A)	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(e)	Standards: Closed Vent Systems and Control Devices; Control Device Performance Demonstration	Y	
61.349(e)(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(e)	Y	
61.354(e)	Monitoring of Operations; Closed-vent systems and control devices—Continuously monitor control device operation	Y	
61.354(e)(1)	Monitor thermal vapor incinerator temperature	Y	
61.354(e)(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 - EF
Source-specific Applicable Requirements
S12 (TK-4606), S26 (TK-4613), S28 (TK-4611B)
-EXEMPT EFFLUENT WASTEWATER 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) <u>Requirements for Group 2 Wastewater Streams</u>		
63.640(c)(3)	Wastewater streams associated with petroleum refining process units	Y	
<u>63.641</u>	<u>Definitions</u>	<u>Y</u>	
<u>63.647(a)</u>	<u>Compliance with 40 CFR 61, Subpart FF, Sections 340 to 355</u>	<u>Y</u>	
<u>63.647(e)</u>	<u>Operation consistent with minimum or maximum permitted concentrations or operating parameter values</u>	<u>Y</u>	
<u>63.654(a)</u>	<u>Compliance with recordkeeping and reporting provisions in 40 CFR 61, Subpart FF, Sections 356 and 357</u>	<u>Y</u>	
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	
<u>Part II.58b</u>	<u>Continuous Temperature Monitoring (40 CFR 60.113b(e)(1)(ii) and 60.113b(e)(2); 40 CFR 60.473(e); 40 CFR 61.354(e)(1); 61.354(e)(4); Regulation 2-6-409.2.2, 2-6-414)</u>	<u>Y</u>	
<u>Part II.95</u>	<u>Closed Vent System Recordkeeping Requirements (Cumulative Increase)</u>	<u>Y</u>	
<u>Part II.96</u>	<u>Closed Vent System P/V Valve VOC limit (Cumulative Increase)</u>	<u>Y</u>	
<u>BAAQMD Condition #20762</u>			
<u>Part 1</u>	<u>Vapor Pressure Verification when switching exempt storage liquids</u>	<u>Y</u>	
<u>Part 2</u>	<u>Requirements to switch from low vapor pressure liquid to liquid with vapor pressure > 0.5 psia</u>	<u>Y</u>	
<u>Part 3</u>	<u>Retain results of vapor pressure testing for five years</u>	<u>Y</u>	

IV. Source Specific Applicable Requirements

Table IV - FG
Source-specific Applicable Requirements
S13, KEROSENE TANK, TK-4608 #8
S59, GAS OIL TANK, TK-4605
S63, KERO/LVGO/HVGO/ASPHALT TANK, TK-4631
NSPS KB FIXED ROOF TANKS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
<u>BAAQMD Regulation 8, Rule 5</u>	<u>Organic Compounds, Storage of Organic Liquids (10/18/2006)</u>		
8-5-111	<u>Limited Exemption, Tank Removal From and Return to Service</u>	<u>N</u>	
8-5-111.1	<u>Limited Exemption, Tank Removal From and Return to Service, Notification</u>	<u>Y</u>	
8-5-111.2	<u>Limited Exemption, Tank Removal From and Return to Service; Tank in compliance at time of notification</u>	<u>N</u>	
8-5-111.4	<u>Limited Exemption, Tank Removal From and Return to Service; use vapor recovery during filling and emptying tanks so equipped</u>	<u>Y</u>	
8-5-111.5	<u>Limited Exemption, Tank Removal From and Return to Service; Minimize emissions and, if required, degas per 8-5-328</u>	<u>N</u>	
8-5-111.6	<u>Limited Exemption, Tank Removal From and Return to Service; Self report if out of compliance during exemption period</u>	<u>N</u>	
8-5-112	<u>Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation</u>	<u>N</u>	
8-5-112.1	<u>Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; Notification</u>	<u>Y</u>	
8-5-112.2	<u>Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; Tank in compliance at time of notification</u>	<u>N</u>	
8-5-112.3	<u>Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; No product movement, Minimize emissions</u>	<u>Y</u>	
8-5-112.4	<u>Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; Not to exceed 7 days</u>	<u>N</u>	
8-5-112.5	<u>Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; Self report if out of compliance during exemption period</u>	<u>N</u>	
8-5-112.6	<u>Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; Keep records for each exemption</u>	<u>N</u>	
8-5-117	<u>Limited Exemption, Low Vapor Pressure</u>	<u>N</u>	
8-5-118	<u>Limited Exemption, Gas Tight Requirement for approved emission</u>	<u>N</u>	

IV. Source Specific Applicable Requirements

Table IV - FG
Source-specific Applicable Requirements
S13, KEROSENE TANK, TK-4608 #8
S59, GAS OIL TANK, TK-4605
S63, KERO/LVGO/HVGO/ASPHALT TANK, TK-4631
NSPS KB FIXED ROOF TANKS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	control system in 8-5-306.2 does not apply if facility is subject to BAAQMD 8-18		
8-5-119	Limited Exemption, Repair Period	<u>N</u>	
8-5-301	Storage Tank Control Requirements	<u>N</u>	
8-5-303	Requirements for Pressure Vacuum Valves	<u>N</u>	
8-5-303.1	Requirements for Pressure Vacuum Valves: Set Pressure	<u>N</u>	
8-5-303.2	Requirements for Pressure Vacuum Valves: Gas Tight Requirement	<u>N</u>	
8-5-306	Requirements for Approved Emission Control Systems	<u>N</u>	
8-5-306.1	Requirement for Approved Emission Control Systems: Abatement efficiency >=90%	<u>N</u>	
8-5-307	Requirements for Fixed Roof Tanks, Pressure Tanks and Blanketed Tanks	<u>N</u>	
8-5-307.1	Requirements for Fixed Roof Tanks, Pressure Tanks and Blanketed Tanks: No liquid leakage through shell	<u>N</u>	
8-5-328	Tank Degassing Requirements	<u>N</u>	
8-5-328.1	Tank Degassing Requirements: Tanks > 75 cubic meters	<u>N</u>	
8-5-328.2	Tank Degassing Requirements: Ozone excess day prohibition	<u>N</u>	
8-5-328.3	Tank Degassing Requirements: BAAQMD notification required	<u>N</u>	
8-5-331	Tank Cleaning Requirements	<u>N</u>	
8-5-331.1	Tank Cleaning Requirements: Cleaning material properties	<u>N</u>	
8-5-331.2	Tank Cleaning Requirements: Steam cleaning prohibition	<u>N</u>	
8-5-331.3	Tank Cleaning Requirements: Steam cleaning exceptions	<u>N</u>	
8-5-403	Inspection Requirements for Pressure Relief Devices	<u>N</u>	
8-5-403.1	Inspection Requirements for Pressure Relief Devices: Pressure vacuum valves gas tight standards in 8-5-303	<u>N</u>	
8-5-403.2	Inspection Requirements for Pressure Relief Devices: PRDs except pressure vacuum valves gas tight standards in 8-5-307.3	<u>N</u>	
8-5-404	Inspection, Abatement Efficiency Determination, and Source Test Reports	<u>N</u>	
8-5-411	Enhanced Monitoring Program (Optional)	<u>N</u>	
8-5-411.3	Enhanced Monitoring Program (Optional): Performance	<u>N</u>	

IV. Source Specific Applicable Requirements

Table IV - FG
Source-specific Applicable Requirements
S13, KEROSENE TANK, TK-4608 #8
S59, GAS OIL TANK, TK-4605
S63, KERO/LVGO/HVGO/ASPHALT TANK, TK-4631
NSPS KB FIXED ROOF TANKS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	<u>requirements</u>		
<u>8-5-501</u>	<u>Records</u>	<u>Y</u>	
<u>8-5-501.1</u>	<u>Records: Type and amounts of liquid, type of blanket gas, TVP - Retain 24 months</u>	<u>Y</u>	
<u>8-5-501.3</u>	<u>Records: Retention</u>	<u>N</u>	
<u>8-5-501.4</u>	<u>Records: New pressure vacuum valve setpoints</u>	<u>N</u>	
<u>8-5-502</u>	<u>Source Test Requirements and exemption for sources vented to fuel gas</u>	<u>N</u>	
<u>8-5-502.1</u>	<u>Source Test Requirements: Annual source test for approved emission control systems and abatement devices for 8-5-303.2, 8-5-306.1, 8-5-307.3</u>	<u>N</u>	
<u>8-5-602</u>	<u>Analysis of Samples, True Vapor Pressure</u>	<u>Y</u>	
<u>8-5-603</u>	<u>Determination of Abatement Efficiency</u>	<u>N</u>	
<u>8-5-604</u>	<u>Determination of Applicability Based on True Vapor Pressure</u>	<u>Y</u>	
<u>8-5-605</u>	<u>Measurement of Leak Concentration and Residual Concentrations</u>	<u>N</u>	
<u>8-5-605.1</u>	<u>Measurement of Leak Concentration and Residual Concentrations; EPA Method 21 Instrument</u>	<u>N</u>	
<u>8-5-605.2</u>	<u>Measurement of Leak Concentration and Residual Concentrations; Test Methods</u>	<u>N</u>	
<u>8-5-606</u>	<u>Analysis of Samples, Tank Cleaning Agents</u>	<u>N</u>	
<u>8-5-606.1</u>	<u>Analysis of Samples, Tank Cleaning Agents; IBP</u>	<u>N</u>	
<u>8-5-606.2</u>	<u>Analysis of Samples, Tank Cleaning Agents; TVP</u>	<u>N</u>	
<u>8-5-606.3</u>	<u>Analysis of Samples, Tank Cleaning Agents; VOC</u>	<u>N</u>	
SIP BAAQMD Regulation 8, Rule 5	Storage of Organic Liquids (06/05/200311/27/02)		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
<u>8-5-111.1</u>	<u>Notice to the APCO</u>	<u>Y</u>	
8-5-111.2	<u>Limited Exemption, Tank Removal From and Return to Service; Compliance before notification</u>	Y	

IV. Source Specific Applicable Requirements

Table IV - ~~FG~~
Source-specific Applicable Requirements
S13, KEROSENE TANK, TK-4608 #8
S59, GAS OIL TANK, TK-4605
S63, KERO/LVGO/HVGO/ASPHALT TANK, TK-4631
NSPS KB FIXED ROOF TANKS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-5-111.4	Use of vapor recovery	Y	
8-5-111.5	<u>Limited Exemption, Tank Removal From and Return to Service:</u> Minimization of emissions	Y	
8-5-111.6	<u>Limited Exemption, Tank Removal From and Return to Service:</u> Written notice of completion not required	Y	
8-5-111.7	<u>Limited Exemption, Tank Removal From and Return to Service:</u> Compliance with Section 8-5-328	Y	
8-5-112	Limited Exemption, Tanks in Operation	Y	
8-5-112.1	Notice to the APCO	Y	
8-5-112.2	<u>Limited Exemption, Tanks in Operation:</u> Compliance and certification before commencement of work <u>and certified per 8-5-404</u>	Y	
8-5-112.3	No product movement; minimization of emissions	Y	
8-5-112.4	<u>Limited Exemption, Tanks in Operation:</u> Exemption does not exceed 7 days	Y	
8-5-117	Limited Exemption, Low Vapor Pressure	Y	
8-5-301	Storage Tank Control Requirements (internal floating roof, external floating roof, or approved emission control system)	Y	
8-5-303	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	<u>Tank Degassing Requirements:</u> Tanks larger than 75 m ³	Y	
8-5-328.1.2	<u>Tank Degassing Requirements:</u> Tanks larger than 75 m ³ : Concentration of organic compounds in tank of < 10,000 ppm as methane after degassing	Y	
8-5-328.2	Tank degassing <u>requirements:</u> <u>Ozone Excess Day Prohibition</u> when ozone excess is predicted	Y	
8-5-403	Inspection Requirements for Pressure <u>Relief Devices</u> 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	Y	

IV. Source Specific Applicable Requirements

Table IV - FG
Source-specific Applicable Requirements
S13, KEROSENE TANK, TK-4608 #8
S59, GAS OIL TANK, TK-4605
S63, KERO/LVGO/HVGO/ASPHALT TANK, TK-4631
NSPS Kb FIXED ROOF TANKS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	pressures		
8-5-503	Portable hydrocarbon detector	Y	
8-5-603	Determination of emissions	Y	
8-5-603.1	Source tests for approved emission control system Determination of Emissions; Organic compounds specified in 8-5-306	Y	
8-5-605	Pressure-Vacuum Valve Gas Tight Determination	Y	
40 CFR 40 CFR, Part 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	Y	

IV. Source Specific Applicable Requirements

Table IV - FG
Source-specific Applicable Requirements
S13, KEROSENE TANK, TK-4608 #8
S59, GAS OIL TANK, TK-4605
S63, KERO/LVGO/HVGO/ASPHALT TANK, TK-4631
NSPS Kb FIXED ROOF TANKS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	and control device (not flare) operating records		
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-CFR40 CFR, Part 63 Subpart CC	National Emission Standards for Hazardous Air Pollutants for Petroleum Refineries (6/23/03)		
63.640(c)(2)	Applicability and Designation of Affected Source – storage vessels Storage vessels associated with petroleum refining process units	Y	
63.640(n)(1)	Applicability and Designation of Affected Source Overlap for Storage Vessels: Tanks subject to 40-CFR40 CFR, Part 60 Subpart Kb comply with 40-CFR40 CFR, Part. -Subpart Kb except as provided in 40-CFR40 CFR, Part 60.640(n)(8). 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)	Applicability and Designation of Affected Source Overlap for Storage Vessels—no additional requirements for fixed roof tanks 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	

IV. Source Specific Applicable Requirements

Table IV - FG
Source-specific Applicable Requirements
S13, KEROSENE TANK, TK-4608 #8
S59, GAS OIL TANK, TK-4605
S63, KERO/LVGO/HVGO/ASPHALT TANK, TK-4631
NSPS KB FIXED ROOF TANKS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part II.31a	Monitoring for vapor pressure limit	Y	
Part II.32a	Control and Destruction Efficiency Requirement (Regulation 8-5-306, NSPS, Cumulative Increase, <u>BACT</u> , 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	
<u>Part II.33b</u>	<u>S63 Prohibition against cutback asphalt materials (Toxics)</u>	<u>Y</u>	
Part II.34	Recordkeeping (Cumulative Increase)	Y	
Part II.58b	Continuous Temperature Monitoring (40 CFR 40 CFR, Part 60.113b(c)(1)(ii) and 60.113b(c)(2); 40 CFR 40 CFR, Part 60.473(c); 40 CFR 61.354(e)(1), 61.354(e)(4)), Regulation 2-6-409.2.2, 2-6-414)	Y	
<u>Part II.93</u>	<u>Contain Emissions in Closed Vent System for S59 (Cumulative Increase)</u>	<u>Y</u>	
<u>Part II.94</u>	<u>Contain Emissions in Closed Vent System for S13 and S63 (Cumulative Increase)</u>	<u>Y</u>	
<u>Part II.95</u>	<u>Closed Vent System Recordkeeping Requirements (Cumulative Increase)</u>	<u>Y</u>	
<u>Part II.96</u>	<u>Closed Vent System P/V Valve VOC limit (Cumulative Increase)</u>	<u>Y</u>	

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
<u>AAQMD</u>	<u>Organic Compounds Organic Liquid Bulk Terminals and Bulk Plants (2/2/94)</u>		

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
Regulation 8, Rule 6			
6-114	Maintenance and Repair exemption	Y	
6-301	Bulk Terminal Limitations	Y	
6-304	Deliveries to Storage Tanks	Y	
6-306	Equipment Maintenance	Y	
6-307	Operating Practices	Y	
6-501	Records	Y	
6-502	Portable Hydrocarbon Detector	Y	
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	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
	(2-6-503)		
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	

Table IV - G
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	

IV. Source Specific Applicable Requirements

Table IV - ~~GI~~
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 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	
Part II.64b	Throughput limit	Y	

Table IV - ~~JH~~
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	

IV. Source Specific Applicable Requirements

Table IV - ~~J-H~~
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
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-I~~
Source-specific Applicable Requirements
S17, TRUCK LOADING RACKS-ASPHALT

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6, Rule 1	Particulate Matter, General Requirements and Visible Emissions (12/19/90) 12/5/2007		
6-1-301	Ringelmann #1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310	Particulate Weight Limitation	N	
6-1-401	Appearance of Emissions	N	
6-1-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions	N	
SIP Regulation 6	Particulate Matter and Visible Emissions (9/4/1998)		
6-301	Ringelmann #1 Limitation	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 8, Rule 15	Organic Compounds, Emulsified and Liquid Asphalts (6/1/94)		

IV. Source Specific Applicable Requirements

**Table IV - ~~K-I~~
 Source-specific Applicable Requirements
 S17, TRUCK LOADING RACKS-ASPHALT**

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

**Table IV - ~~L-J.1~~
 Source-specific Applicable Requirements
 S18, CRUDE UNIT
TO BE DELETED UPON STARTUP OF THE
 ATMOSPHERIC PRD REMOVAL PROJECT (A/N 19193)**

IV. Source Specific Applicable Requirements

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 (7/20/831/21/04)		
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 40 CFR, Part 63 Subpart CC	National Emission Standards for Hazardous Pollutants for Petroleum Refining (6/23/03)		
63.640(c)(1)	Applicability and Designation of Affected Source: Miscellaneous Process Vents	Y	
63.643(a)	Miscellaneous Process Vent Provisions	Y	
63.643(a)(2)	Control device requirements	Y	

IV. Source Specific Applicable Requirements

Table IV - ~~L~~J.1
Source-specific Applicable Requirements
S18, CRUDE UNIT
TO BE DELETED UPON STARTUP OF THE
ATMOSPHERIC PRD REMOVAL PROJECT (A/N 19193)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.643(b)	Boiler or process heater requirements	Y	
63.644(a)	Monitoring Provisions for Miscellaneous Process Vents	Y	
63.644(a)(3)	B oiler 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	
<u>Part I.3a</u>	<u>Control Requirement, S18 Crude Unit offgas must vent to S19 at all times (Cumulative Increase, Toxics)</u>	<u>Y</u>	
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.1	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 – J.2
Source-specific Applicable Requirements
S18, CRUDE UNIT
APPLIES UPON STARTUP OF THE
ATMOSPHERIC PRD REMOVAL PROJECT (A/N 19193)

<u>Applicable Requirement</u>	<u>Regulation Title or Description of Requirement</u>	<u>Federally Enforceable (Y/N)</u>	<u>Future Effective Date</u>
<u>BAAQMD Condition 1240</u>			
<u>Part I.1</u>	<u>Annual Throughput Limit (Cumulative Increase, Toxics, Offsets)</u>	<u>Y</u>	
<u>Part I.2</u>	<u>Daily Throughput Limit (Cumulative Increase, Toxics)</u>	<u>Y</u>	
<u>Part I.3b</u>	<u>Control Requirement, S18 Crude Unit offgas must vent to refinery fuel gas system S9 at all times (Cumulative Increase, Toxics)</u>	<u>Y</u>	
<u>Part I.4</u>	<u>Recordkeeping (Cumulative Increase)</u>	<u>Y</u>	
<u>Part I.7</u>	<u>Mechanical seals, packing, and compressor seals (Cumulative Increase)</u>	<u>Y</u>	
<u>Part I.14</u>	<u>Facility Limits (Cumulative Increase)</u>	<u>Y</u>	
<u>Part I.18</u>	<u>Cumulative Increase Monitoring (Cumulative Increase)</u>	<u>Y</u>	
<u>Part I.18a</u>	<u>NMHC and NOx estimates (Cumulative Increase)</u>	<u>Y</u>	
<u>Part I.18b</u>	<u>Estimates of NMHC emissions from sources of fugitive emissions (Cumulative Increase)</u>	<u>Y</u>	

Table IV – M-K.1
Source-specific Applicable Requirements
S19, VACUUM HEATER
TO BE DELETED UPON STARTUP OF THE
ATMOSPHERIC PRD REMOVAL PROJECT (A/N 19193)

<u>Applicable Requirement</u>	<u>Regulation Title or Description of Requirement</u>	<u>Federally Enforceable (Y/N)</u>	<u>Future Effective Date</u>
<u>BAAQMD Regulation 1</u>	<u>General Provisions and Definitions (5/2/01)</u>		

IV. Source Specific Applicable Requirements

Table IV – M-K.1
Source-specific Applicable Requirements
S19, VACUUM HEATER
TO BE DELETED UPON STARTUP OF THE
ATMOSPHERIC PRD REMOVAL PROJECT (A/N 19193)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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 ^Y	
1-522.7	emission limit exceedance reporting requirements	Y ^Y	
1-523	Parametric Monitoring and Recordkeeping Procedures	Y ^Y	
1-523.3	Reports of Violations	Y ^Y	
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	

IV. Source Specific Applicable Requirements

Table IV – M-K.1
Source-specific Applicable Requirements
S19, VACUUM HEATER
TO BE DELETED UPON STARTUP OF THE
ATMOSPHERIC PRD REMOVAL PROJECT (A/N 19193)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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, Rule 1	Particulate Matter, General Requirements and Visible Emissions (12/19/9912/5/2007)		
6-1-301	Ringelmann #1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310	Particulate Weight Limitation	N	
6-1-310.3	Heat Transfer Operations	N	
<u>6-1-601</u>	<u>Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions</u>	<u>N</u>	
SIP Regulation 6	Particulate Matter and Visible Emissions (9/4/1998)		
<u>6-301</u>	<u>Ringelmann #1 Limitation</u>	<u>Y</u>	
<u>6-305</u>	<u>Visible Particles</u>	<u>Y</u>	
<u>6-310</u>	<u>Particulate Weight Limitation</u>	<u>Y</u>	
<u>6-310.3</u>	<u>Heat Transfer Operations</u>	<u>Y</u>	
<u>6-601</u>	<u>Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions</u>	<u>Y</u>	
BAAQMD Regulation 9,	Inorganic Gaseous Pollutants – Nitrogen Oxides and Carbon Monoxide from Boilers, Steam Generators, and Process Heaters		

IV. Source Specific Applicable Requirements

Table IV – ~~M-K.1~~
Source-specific Applicable Requirements
S19, VACUUM HEATER
TO BE DELETED UPON STARTUP OF THE
ATMOSPHERIC PRD REMOVAL PROJECT (A/N 19193)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Rule 10	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)	Y 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 <u>for sources subject to 9-10-301, 303, 304, and 305</u>	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 <u>for sources subject to 9-10-301, 303, 304, 305, and/or 306</u>	N	
9-10-601	Determination of Nitrogen Oxides	Y 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 (4/28/0104/02/2008)		
9-10-303	Interim Emission Limit for Facility (Federal Requirements)	Y ⁺ Y	
9-10-502	Monitoring <u>for sources subject to 9-10-303</u>	Y ⁺ Y	
9-10-502.2	Fuel flowmeters	Y ⁺ Y	
9-10-504.1	Recordkeeping for sources subject to 9-10-303	Y	
9-10-505	Reporting requirements for sources subject to 9-10-3030 and/or 306	Y	
BAAQMD Regulation 10	New Source Performance Standards Incorporation by Reference (2/16/00)		
10-1	40-CFR40 CFR, Part 60 Subpart A	Y	
10-14	40-CFR40 CFR, Part 60 Subpart J	Y	
BAAQMD	Continuous Emission Monitoring Policy and Procedures	Y	

IV. Source Specific Applicable Requirements

Table IV – ~~M-K.1~~
Source-specific Applicable Requirements
S19, VACUUM HEATER
TO BE DELETED UPON STARTUP OF THE
ATMOSPHERIC PRD REMOVAL PROJECT (A/N 19193)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Manual of Procedures, Volume V	(1/20/82)		
40 CFR 40 CFR, Part 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 non-opacity-measuring devices	Y	
60.13(f)	Continuous monitoring system installation location requirement	Y	
40 CFR 40 CFR, Part 60 Subpart J	Standards of Performance for Petroleum Refineries (8/17/89)6/24/2008		
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	

IV. Source Specific Applicable Requirements

Table IV – ~~M-K.1~~
Source-specific Applicable Requirements
S19, VACUUM HEATER
TO BE DELETED UPON STARTUP OF THE
ATMOSPHERIC PRD REMOVAL PROJECT (A/N 19193)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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 Subpart CC	National Emission Standards for Hazardous Pollutants for 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			

IV. Source Specific Applicable Requirements

Table IV – M-K.1
Source-specific Applicable Requirements
S19, VACUUM HEATER
TO BE DELETED UPON STARTUP OF THE
ATMOSPHERIC PRD REMOVAL PROJECT (A/N 19193)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Condition #1240			
<u>Part I.3</u>	<u>Control Requirement (Cumulative Increase, Toxics)</u>	<u>Y</u>	
<u>Part I.3a</u>	<u>Control Requirement, S18 Crude Unit offgas must vent to S19 at all times (Cumulative Increase, Toxics)</u>	<u>Y</u>	
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 NOxNOx Burner Requirement, NOxNOx emission limit (Cumulative Increase, BACT)	Y	
Part I.10	Requirement for Continuous Recording Oxygen Analyzers (2-1-403)	Y	
Part I.11.a	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 NOxNOx and CO limits (Cumulative Increase, Toxics)	Y	
Part I.16b.1	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.18f	Estimates of NMHC emissions from combustion sources (Cumulative Increase)	Y	
Part I.18h	Estimates of NOx emissions from combustion sources (Cumulative Increase)	Y	
Part I.18j	Summary of emissions estimates and reports of non-compliance	Y	

IV. Source Specific Applicable Requirements

Table IV – M-K.1
Source-specific Applicable Requirements
S19, VACUUM HEATER
TO BE DELETED UPON STARTUP OF THE
ATMOSPHERIC PRD REMOVAL PROJECT (A/N 19193)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	(Cumulative Increase)		
BAAQMD Condition #19329			
Part 1	Hourly firing limits (Regulation 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)	<u>NY</u>	<u>1/1/05</u>
Part 2	O2 monitors and recorders (9-10-502)	<u>YN</u>	<u>1/1/05</u>
Part 3	NOx box-operation (9-10-502)	<u>YN</u>	<u>1/1/05</u>
Part 4	NOx box establishment (9-10-502)	<u>YN</u>	<u>1/1/05</u>
Part 5	NOx box limits (9-10-502)	<u>YN</u>	<u>1/1/05</u>
Part 6	NOx box deviations (9-10-502)	<u>YN</u>	<u>1/1/05</u>
Part 7	Source tests for NOx and CO at maximum NOx (9-10-502)	<u>YN</u>	<u>1/1/05</u>
Part 7a.2	Semi-annual tests at sources above 25 MMbtu/hr (9-10-502)	<u>YN</u>	<u>1/1/05</u>
Part 7a.3	Source tests for shutdown sources	<u>YN</u>	<u>1/1/05</u>
Part 7b	Source test results greater than NOx Box emission factor	<u>YN</u>	<u>1/1/05</u>
Part 9	CO CEM requirement if 2 tests above 200 ppmv (9-10-502)	<u>YN</u>	<u>1/1/05</u>
Part 10	Records of source test data (9-10-502)	<u>YN</u>	<u>1/1/05</u>

[†]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 – K.2
Source-specific Applicable Requirements
S19, VACUUM HEATER
APPLIES UPON STARTUP OF THE
ATMOSPHERIC PRD REMOVAL PROJECT (A/N 19193)

<u>Applicable Requirement</u>	<u>Regulation Title or Description of Requirement</u>	<u>Federally Enforceable (Y/N)</u>	<u>Future Effective Date</u>
<u>BAAQMD Regulation 1</u>	<u>General Provisions and Definitions (5/2/01)</u>		
<u>1-523</u>	<u>Parametric Monitoring and Recordkeeping Procedures</u>	<u>N</u>	
<u>1-523.1</u>	<u>Parametric monitor periods of inoperation</u>	<u>Y</u>	
<u>1-523.2</u>	<u>Limits on periods of inoperation</u>	<u>Y</u>	
<u>1-523.3</u>	<u>Reports of Violations</u>	<u>N</u>	
<u>1-523.4</u>	<u>Records</u>	<u>Y</u>	
<u>1-523.5</u>	<u>Maintenance and calibration</u>	<u>N</u>	
<u>SIP Regulation 1</u>	<u>General Provisions and Definitions (6/28/99)</u>		
<u>1-523</u>	<u>Parametric Monitoring and Recordkeeping Procedures</u>	<u>Y</u>	
<u>1-523.3</u>	<u>Reports of Violations</u>	<u>Y</u>	
<u>BAAQMD Regulation 2, Rule 9</u>	<u>Interchangeable Emission Reduction Credits (4/7/99)</u>		
<u>2-9-301</u>	<u>Bankable Interchangeable Emission Reduction Credits – General Provisions</u>	<u>N</u>	
<u>2-9-302</u>	<u>Use of IERC's</u>	<u>N</u>	
<u>2-9-303</u>	<u>Alternative Compliance Plan using IERC's</u>	<u>N</u>	
<u>2-9-304</u>	<u>Restrictions on the Use of IERC's</u>	<u>N</u>	
<u>2-9-305</u>	<u>Conversion of an ERC to an IERC</u>	<u>N</u>	
<u>2-9-306</u>	<u>Environmental Benefit Surcharge</u>	<u>N</u>	
<u>2-9-401</u>	<u>IERC Application</u>	<u>N</u>	
<u>2-9-401.4</u>	<u>Use of IERC's in lieu of compliance with the BARCT rule(s) specified in Section 2-9-302.</u>	<u>N</u>	
<u>2-9-402</u>	<u>Complete IERC Banking Application</u>	<u>N</u>	
<u>2-9-501</u>	<u>Monitoring and Record Keeping</u>	<u>N</u>	
<u>2-9-502</u>	<u>Alternative Compliance Plan Record Keeping and Reporting</u>	<u>N</u>	
<u>2-9-601</u>	<u>Emission Reduction Calculations – General Requirements</u>	<u>N</u>	
<u>2-9-605</u>	<u>Calculation Procedure to Determine the Required Amount of IERC's for BARCT Compliance</u>	<u>N</u>	
<u>BAAQMD Regulation 6.</u>	<u>Particulate Matter, General Requirements (12/5/2007)</u>		

IV. Source Specific Applicable Requirements

Table IV – K.2
Source-specific Applicable Requirements
S19, VACUUM HEATER
APPLIES UPON STARTUP OF THE
ATMOSPHERIC PRD REMOVAL PROJECT (A/N 19193)

<u>Applicable Requirement</u>	<u>Regulation Title or Description of Requirement</u>	<u>Federally Enforceable (Y/N)</u>	<u>Future Effective Date</u>
<u>Rule 1</u>			
<u>6-1-301</u>	<u>Ringelmann #1 Limitation</u>	<u>N</u>	
<u>6-1-305</u>	<u>Visible Particles</u>	<u>N</u>	
<u>6-1-310</u>	<u>Particulate Weight Limitation</u>	<u>N</u>	
<u>6-1-310.3</u>	<u>Heat Transfer Operations</u>	<u>N</u>	
<u>6-1-601</u>	<u>Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions</u>	<u>N</u>	
<u>SIP Regulation 6</u>	<u>Particulate Matter and Visible Emissions (9/4/1998)</u>		
<u>6-301</u>	<u>Ringelmann #1 Limitation</u>	<u>Y</u>	
<u>6-305</u>	<u>Visible Particles</u>	<u>Y</u>	
<u>6-310</u>	<u>Particulate Weight Limitation</u>	<u>Y</u>	
<u>6-310.3</u>	<u>Heat Transfer Operations</u>	<u>Y</u>	
<u>6-601</u>	<u>Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions</u>	<u>Y</u>	
<u>BAAQMD Regulation 9, Rule 10</u>	<u>Inorganic Gaseous Pollutants – Nitrogen Oxides and Carbon Monoxide from Boilers, Steam Generators, and Process Heaters in Petroleum Refineries (7/17/02)</u>		
<u>9-10-301</u>	<u>Emission Limit for Facility, NOx: 0.033 lb NOx/MMBTU</u>	<u>N</u>	
<u>9-10-301.1</u>	<u>...Start-up/Shutdown Contribution</u>	<u>N</u>	
<u>9-10-301.2</u>	<u>...Out-of-Service Units Contribution</u>	<u>N</u>	
<u>9-10-303</u>	<u>Emission Limit for Facility (Federal Requirements)</u>	<u>Y</u>	
<u>9-10-305</u>	<u>CO emission limit</u>	<u>N</u>	
<u>9-10-502</u>	<u>Monitoring for sources subject to 9-10-301, 303, 304, and 305</u>	<u>N</u>	
<u>9-10-502.1</u>	<u>CEMS for NOx, CO, and O2 or equivalent verification system</u>	<u>N</u>	
<u>9-10-502.2</u>	<u>Fuel flowmeters</u>	<u>N</u>	
<u>9-10-504</u>	<u>Recordkeeping</u>	<u>N</u>	
<u>9-10-504.1</u>	<u>Records for sources subject to 9-10-301, 304, or 305, or, effective July 17, 2002, 303</u>	<u>N</u>	
<u>9-10-505</u>	<u>Reporting for sources subject to 9-10-301, 303, 304, 305, and/or 306</u>	<u>N</u>	
<u>9-10-601</u>	<u>Determination of Nitrogen Oxides</u>	<u>Y</u>	

IV. Source Specific Applicable Requirements

Table IV – K.2
Source-specific Applicable Requirements
S19, VACUUM HEATER
APPLIES UPON STARTUP OF THE
ATMOSPHERIC PRD REMOVAL PROJECT (A/N 19193)

<u>Applicable Requirement</u>	<u>Regulation Title or Description of Requirement</u>	<u>Federally Enforceable (Y/N)</u>	<u>Future Effective Date</u>
9-10-602	Determination of Carbon Monoxide and Stack-Gas Oxygen	N	
9-10-603	Compliance Determination	Y	
<u>SIP Regulation 9, Rule 10</u>	<u>Inorganic Gaseous Pollutants – Nitrogen Oxides and Carbon Monoxide from Boilers, Steam Generators, and Process Heaters in Petroleum Refineries (04/02/2008)</u>		
9-10-502	Monitoring for sources subject to 9-10-303	Y	
9-10-504.1	Recordkeeping for sources subject to 9-10-303	Y	
9-10-505	Reporting requirements for sources subject to 9-10-3030 and/or 306	Y	
<u>BAAQMD Condition 1240</u>			
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.b	Title Permit application for NSPS Ja for NOx and flaring applicability (NSPS)	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.2	Initial Source Test Requirements for NOx and CO and option for source test to re-establish NOx emission factor for Condition 21233 (Cumulative Increase, Toxics, ACP)	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	Y	

IV. Source Specific Applicable Requirements

Table IV – K.2
Source-specific Applicable Requirements
S19, VACUUM HEATER
APPLIES UPON STARTUP OF THE
ATMOSPHERIC PRD REMOVAL PROJECT (A/N 19193)

<u>Applicable Requirement</u>	<u>Regulation Title or Description of Requirement</u>	<u>Federally Enforceable (Y/N)</u>	<u>Future Effective Date</u>
	(Cumulative Increase)		
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	
<u>BAAQMD Condition 19329</u>			
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	
<u>BAAQMD Condition 21233</u>			
Part 1	Affected sources, firing rates, use of ACP (9-10-301, 9-10-305, 2-9-303.4.1)	Y	
Part 2	O2 monitors and recorders (9-10-502)	Y	
Part 3	NOx box-operation (9-10-502)	Y	
Part 4	NOx box establishment (9-10-502)	Y	
Part 5	NOx box limits (9-10-502)	Y	
Part 6	NOx box deviations (9-10-502)	Y	
Part 7	Source tests for NOx and CO at maximum NOx (9-10-502)	Y	
Part 7a.2	Semi-annual tests at sources above 25 MMbtu/hr (9-10-502)	Y	
Part 7a.3	Source tests for shutdown sources	Y	
Part 7b	Source test results greater than NOx Box emission factor	Y	
Part 9	CO CEM requirement if 2 tests above 200 ppmv (9-10-502)	Y	
Part 10	Records of source test data (9-10-502)	Y	

IV. Source Specific Applicable Requirements

**Table IV - ~~NL~~
 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 ⁺ _Y	
1-523.3	Reports of Violations	Y ⁺ _Y	
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, Rule 1	Particulate Matter, <u>General Requirements and Visible Emissions</u> (12/19/9012/5/2007)		
6-1-301	Ringelmann #1 Limitation	N _Y	

IV. Source Specific Applicable Requirements

**Table IV - ~~NL~~
 Source-specific Applicable Requirements
 S20, STEAM BOILER**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
6- 1 -305	Visible Particles	NY	
6- 1 -310	Particulate Weight Limitation	NY	
6- 1 -310.3	Heat Transfer Operations	NY	
6-1-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions	N	
SIP Regulation 6	Particulate Matter and Visible Emissions (9/4/1998)		
6-301	Ringelmann #1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-310.3	Heat Transfer Operations	Y	
6-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions	Y	
BAAQMD Regulation 9, Rule 10	Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon Monoxide from Boilers, Steam Generators, and Process Heaters in Petroleum Refineries (7/17/02)		
9-10-301	Emission Limit for Facility, NOx: 0.033 lb NOx/MMBTU	N	
9-10-301.1	...Start-up/Shutdown Contribution	N	
9-10-301.2	...Out-of-Service Units Contribution	N	
9-10-303	Emission Limit for Facility (Federal Requirements)	YN	
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 for sources subject to 9-10-301, 303, 304, and 305	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 for sources subject to 9-10-301, 303, 304, 305, and/or 306	N	
9-10-601	Determination of Nitrogen Oxides	YN	
9-10-602	Determination of Carbon Monoxide and Stack-Gas Oxygen	N	
9-10-603	Compliance Determination	Y	

IV. Source Specific Applicable Requirements

**Table IV - ~~N-L~~
 Source-specific Applicable Requirements
 S20, STEAM BOILER**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
SIP Regulation 9, Rule 10	Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon Monoxide from Boilers, Steam Generators, and Process Heaters in Petroleum Refineries (3/29/0104/02/2008)		
9-10-303	Interim Emission Limit for Facility (Federal Requirements)	Y+Y	
9-10-502	Monitoring for sources subject to 9-10-303	Y+Y	
9-10-502.2	Fuel flowmeters	Y+Y	
9-10-504.1	Recordkeeping for sources subject to 9-10-303	Y	
9-10-505	Reporting requirements for sources subject to 9-10-303 and/or 306	Y	
BAAQMD Condition #1240			
Part I.5	Asphalt plant Heat Input Limit (Cumulative Increase)	Y	
Part I.6	Prohibition against combustion of fuel oil or diesel fuel (cumulative increase)	Y	
Part I.10	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			

IV. Source Specific Applicable Requirements

Table IV - ~~NL~~
Source-specific Applicable Requirements
S20, STEAM BOILER

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

~~+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 - ~~OM~~
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	General Provisions and Definitions (6/28/99)		

IV. Source Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Regulation 1			
1-523	Parametric Monitoring and Recordkeeping Procedures	Y ⁺ <u>Y</u>	
1-523.3	Reports of Violations	Y ⁺ <u>Y</u>	
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, Rule 1	Particulate Matter and Visible Emissions General Requirements (12/19/90 12/5/2007)		
6-1-301	Ringelmann #1 Limitation	N <u>Y</u>	
6-1-305	Visible Particles	N <u>Y</u>	
6-1-310	Particulate Weight Limitation	N <u>Y</u>	
6-1-310.3	—Heat Transfer Operations	N <u>Y</u>	
6-1-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions	N	
SIP Regulation 6	Particulate Matter and Visible Emissions (12/5/2007)		
6-301	Ringelmann #1 Limitation	Y	
6-305	Visible Particles	Y	

IV. Source Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
6-310	Particulate Weight Limitation	<u>Y</u>	
6-310.3	Heat Transfer Operations	<u>Y</u>	
6-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions	<u>Y</u>	
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)	Y 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 for sources subject to 9-10-301, 303, 304, and 305	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	Y 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 (3/29/0104/02/2008)		
9-10-303	Interim Emission Limit for Facility (Federal Requirements)	Y ⁺ Y	
9-10-502	Monitoring for sources subject to 9-10-303	Y ⁺ <u>Y</u>	
9-10-502.2	Fuel flowmeters	Y ⁺ Y	
9-10-504.1	Recordkeeping for sources subject to 9-10-303	<u>Y</u>	
9-10-505	Reporting requirements for sources subject to 9-10-303 and/or 306	<u>Y</u>	
BAAQMD			

IV. Source Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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	
BAAQMD Condition #21233			
Part 1	Affected sources, firing rates, use of ACP (9-10-301, 9-10-305, 2-9-303.4.1)	Y	1/1/05
Part 3	NOx box-operation (9-10-502)	Y	1/1/05
Part 4	NOx box establishment (9-10-502)	Y	1/1/05
Part 5	NOx box limits (9-10-502)	Y	1/1/05
Part 6	NOx box deviations (9-10-502)	Y	1/1/05
Part 7	Source tests for NOx and CO at maximum NOx (9-10-502)	Y	1/1/05

IV. Source Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 7a.1	Annual tests at sources below 25 MMbtu/hr (9-10-502)	Y N	1/1/05
Part 7a.3	Source tests for shutdown sources	Y N	1/1/05
Part 7b	Source test results greater than NOx Box emission factor	Y N	1/1/05
Part 10	Records of source test data (9-10-502)	Y N	1/1/05

~~[†]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-N
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 (5/2/017/19/2006)		
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	
1-523.3	Reports of Violations	Y	
BAAQMD Regulation 6, Rule 1	Particulate Matter, General Requirements and Visible Emissions (12/19/90 12/5/2007)		
6-1-301	Ringelmann #1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310	Particulate Weight Limitation	N	
6-1-310.3	Heat Transfer Operations	N	
6-1-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions	N	
SIP Regulation 6	Particulate Matter and Visible Emissions (9/4/1998)		
6-301	Ringelmann #1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-310.3	Heat Transfer Operations	Y	
6-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions	Y	
BAAQMD Regulation 8,	Organic Compounds, Storage of Organic Liquids (10/18/2006)		

IV. Source Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Rule 5			
8-5-118	Limited exemption, gas tight requirement	N	
8-5-306	Requirements for Approved Emission Control Systems	N	
8-5-306.1	Requirements for Approved Emission Control Systems; Abatement efficiency >= 95%	N	
8-5-404	Inspection, Abatement Efficiency Determination, and Source Test Reports	N	
8-5-502	Source test requirements: Approved Emission Control Systems	N	
8-5-502.1	Source test requirements: Approved Emission Control Systems for 8-5-306.1; Annual source tests	N	
8-5-603	Determination of abatement efficiency	N	
SIP BAAQMD Regulation 8, Rule 5	Storage of Organic Liquids (06/05/200311/27/02)		
8-5-306	Requirements for Approved Emission Control Systems; gas tight and >= 95% abatement	Y	
8-5-503	Portable hydrocarbon detector for 8-5-306	Y	
8-5-603	Determination of Emissions	Y	
8-5-603.1	Determination of Emissions for 8-5-306	Y	
BAAQMD Regulation 8, Rule 6	Organic Liquid Bulk Terminals And Bulk Plants (2/2/1994)		
8-6-301	Bulk Terminal Limitations	Y	
BAAQMD Regulation 8, Rule 8	Wastewater Collection and Separation Systems (9/15/2004)		
8-8-301	Wastewater separators designed rated capacity greater than 760 liters per day (200 gal/day) and smaller than 18.9 liters per second (300 gal/min)	Y	
8-8-301.3	Wastewater separators > 200 gpd and < 300 gpm : An organic compound vapor recovery system with a combined collection and destruction efficiency of at least 95 percent by weight	N	
8-8-305	Oil-Water Separator and/or Air Flotation Unit Slop Oil Vessels	Y	

IV. Source Specific Applicable Requirements

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Source-specific Applicable Requirements
S24, HOT OIL HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-8-305.2	Oil-Water Separator and/or Air Flotation Unit Slop Oil Vessels: An organic compound vapor recovery system with a combined collection and destruction efficiency of at least 70 percent by weight	<u>N</u>	
8-8-602	Determination of Emissions	N	
SIP Regulation 8, Rule 8	Wastewater (Oil-Water) Separators (8/29/1994)		
8-8-301.3	Wastewater separators > 200 gpd and < 300 gpm : An organic compound vapor recovery system with a combined collection and destruction efficiency of at least 95 percent by weight.	Y	
8-8-305.2	Oil-Water Separator and/or Air Flotation Unit Slop Oil Vessels: An organic compound vapor recovery system with a combined collection and destruction efficiency of at least 70 percent by weight	<u>Y</u>	
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)		

IV. Source Specific Applicable Requirements

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Source-specific Applicable Requirements
S24, HOT OIL HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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 ⁺ <u>Y</u>	
9-10-402	Control Plan Requirements, Small Units	Y ⁺ <u>Y</u>	
<u>BAAQMD Regulation 10</u>	<u>New Source Performance Standards Incorporation by Reference (2/16/00)</u>		
<u>10-17</u>	40-CFR <u>40 CFR, Part 60 Subpart Kb</u>	<u>Y</u>	
<u>10-51</u>	40-CFR <u>40 CFR, Part 60 Subpart UU</u>	<u>Y</u>	
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 40 CFR, Part 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) <u>Requirements for Control Devices</u>		
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	

IV. Source Specific Applicable Requirements

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 Source-specific Applicable Requirements
 S24, HOT OIL HEATER**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.116b(a)	Monitoring of Operations; Record retention	Y	
40 CFR 40 CFR, Part 60, Subpart UU	Standards of Performance for Asphalt Processing and Asphalt Roofing Manufacture (10/17/00)		
60.470(a)	Applicability and designation of affected facilities: asphalt storage tanks	Y	
60.470(b)	Applicability and designation of affected facilities: asphalt storage tanks	Y	
60.472(c)	Asphalt storage tank opacity standard	Y	
60.473(c)	Parametric monitoring	Y	
60.473(d)	Exemption from quarterly reports	Y	
60.474(c)(5)	Test methods and procedures: use Method 9 and 60.11 to determine opacity	Y	
40 CFR 61, Subpart FF	National Emission Standards for Benzene Waste Operations (12/4/03)		
61.340(a)	Applicability	Y	
61.343(a)(1)(ii)	Design and operation of closed vent system and control device	Y	
61.349(a)	Closed Vent system design, installation, operation and maintenance	Y	
61.349(a)(1)	Closed Vent system specifications	Y	
61.349(a)(1)(i)	Standards: Closed vent systems and Control Devices—Closed vent system no detectable emission \geq 500 ppmv, annual inspection	Y	
61.349(a)(2)(ii)	Standards: Closed Vent Systems and Control Devices; use of earseal 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	

IV. Source Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
61.349(e)	Standards: Closed Vent Systems and Control Devices; Control Device Performance Demonstration	Y	
61.349(e)(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(e)	Y	
61.354(e)	Monitoring of Operations; Closed vent systems and control devices—Continuously monitor control device operation	Y	
61.354(e)(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	
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 or seal 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(e)	Y	
61.357(d)(7)	Reporting Requirements: Quarterly report—Process Heater < 44	Y	

IV. Source Specific Applicable Requirements

**Table IV - ~~P-N~~
 Source-specific Applicable Requirements
 S24, HOT OIL HEATER**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
(iv)(C)	MW		
61.357(d)(7)	Reporting Requirements: change of location where vent stream is introduced into flame zone	Y	
(iv)(G)			
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	Control and Destruction Efficiency Requirement for Requirement for control of S3, S5, S6, S7 S8, S13, S37, S38, S41, S51, S52, S53, S54, S59, S60, S61, S62, S63, S65, S66, S70 (Regulation 8-5-306, NSPS, cumulative increase, BACT, toxics)	Y	
Part II.32b	Requirement for control of S59 (8-5-306, NSPS, cumulative increase, toxics)	Y	
Part II.32e	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	

IV. Source Specific Applicable Requirements

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Source-specific Applicable Requirements
S24, HOT OIL HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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 40 CFR, Part 60.113b(c)(1)(ii) and 60.113b(c)(2); 40 CFR 40 CFR, Part 60.473(c); 40 CFR 61.354(e)(1), 61.354(e)(4) , Regulation 2-6-409.2.2, 2-6-414)	Y	
Part II.58c	Allowable temperature excursions (2-1-403)	Y	
Part II.58d	Recordkeeping for allowable temperature excursions (2-1-403)	Y	
Part II.58e	Temperature excursion only applies when below limit (2-1-403)	Y	
Part II.58f	Operational conditions for temperature excursions (2-1-403)	Y	
art II.67	Control requirement for S54 (Cumulative Increase)	Y	
art 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 NOx and CO limits (Cumulative Increase)	Y	

[†]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 - Q
Source-specific Applicable Requirements
S25 EFFLUENT WATER FEED TANK

IV. Source Specific Applicable Requirements

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(e)	Standards: Tanks; Fixed roof quarterly inspection	Y	
61.349(e)(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 \geq 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(e)	Standards: Closed Vent Systems and Control Devices; Control Device Performance Demonstration	Y	
61.349(e)(2)	Performance tests	Y	

IV. Source Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
61.349(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(e)	Y	
61.354(e)	Monitoring of Operations; Closed-vent systems and control devices--Continuously monitor control device operation	Y	
61.354(e)(1)	Monitor thermal vapor incinerator temperature	Y	
61.354(e)(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)	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(e)(3)	Wastewater streams associated with petroleum refining process units	Y	
63.647(a)	Compliance with 40 CFR 61, Subpart FF, Sections 340 to 355	Y	
63.647(e)	Operation consistent with minimum or maximum permitted	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
	concentrations or operating parameter values		
63.654(a)	Compliance with recordkeeping and reporting provisions in 40 CFR 61, Subpart FF, Sections 356 and 357	Y	
BAAQMD Condition #1240			
Part I.14	Facility Limits (Cumulative Increase)	Y	
Part I.18	Cumulative Increase Monitoring (Cumulative Increase)	Y	
Part I.18a	NMHC and NOx estimates (Cumulative Increase)	Y	
Part I.18e	Estimates of NMHC emissions from wastewater sources (Cumulative Increase)	Y	
Part I.18j	Summary of emissions estimates and reports of non-compliance (Cumulative Increase)	Y	
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(e) 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(e)(3)	Wastewater streams associated with petroleum refining process units	Y	
63.647(a)	Compliance with 40 CFR 61, Subpart FF, Sections 340 to 355	Y	
63.647(e)	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-O
Source-specific Applicable Requirements
S27, RECOVERED OIL TANK-TK-4612A (FOR S66)
S67, RECOVERED OIL TANK-TK-4612B (FOR S41)
ABATED BY A31 AND/OR S24 VIA S66 AND S41, RESPECTIVELY ~~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	
BAAQMD Regulation 8, Rule 8	Organic Compounds, Wastewater Collection and Separation Systems (9/15/2004)		
8-8-303	Gauging and Sampling Devices	Y	
8-8-305	Oil-water Separator and/or Air Flotation Unit Slop Oil Vessels;	Y	

IV. Source Specific Applicable Requirements

Table IV - S-O
Source-specific Applicable Requirements
S27, RECOVERED OIL TANK-TK-4612A (FOR S66)
S67, RECOVERED OIL TANK-TK-4612B (FOR S41)
ABATED BY A31 AND/OR S24 VIA S66 AND S41, RESPECTIVELY PV VALVE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-8-305.2	Oil-water Separator and/or Air Flotation Unit Slop Oil Vessels; with organic compound vapor recovery system with >= 70% (wt) abatement efficiency	Y	
8-8-503	Inspection and Repair Records	Y	
8-8-504	Portable Hydrocarbon Detector	Y	
8-8-602	Determination of Emissions	N	
8-8-603	Inspection Procedures	N	
SIP Regulation 8, Rule 8	Organic Compounds, Wastewater (Oil-Water) Separators (8/29/1994)		
8-8-602	Determination of Emissions	Y	
8-8-603	Inspection Procedures	Y	
40 CFR 40 CFR, Part 61 Subpart FF	National Emission Standards for Benzene Waste Operations (12/4/03) Requirements for Uncontrolled Aqueous Waste Streams in 6BQ Facility		
61.340(a)	Applicability: Chemical Manufacturing, Coke by-product recovery, petroleum refineries	Y	
61.341	Definitions	Y	
61.342	Standards: General	Y	
61.342(b)	Standards: General; Compliance for facilities with TAB >= 10 Mg/year	Y	
61.342(e)	Standards: General; Alternative to 61.342(e) and 61.342(d) Compliance option for 6BQ facility	Y	
61.342(e)(2)	Standards: General; Requirements for treating aqueous wastes (greater than 10% water) for compliance with 61.342(e) compliance option;	Y	
61.342(e)(2)(i)	Standards: General; [Uncontrolled] 61.342(e)(2) Waste shall not contain more than 6.0 Mg/yr benzene	Y	
61.342(e)(2)(ii)	Standards: General; Determine 61.342(e)(2) benzene quantity in each uncontrolled aqueous waste stream per 61.355(k).	Y	
61.357	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 40 CFR, Part 63 Subpart CC	National Emission Standards for Hazardous Pollutants for Petroleum Refining (6/23/03) Requirements for Group 2 Wastewater Streams		

IV. Source Specific Applicable Requirements

Table IV - S-O
Source-specific Applicable Requirements
S27, RECOVERED OIL TANK-TK-4612A (FOR S66)
S67, RECOVERED OIL TANK-TK-4612B (FOR S41)
ABATED BY A31 AND/OR S24 VIA S66 AND S41, RESPECTIVELY PV VALVE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.640(c)(3)	Wastewater steams associated with petroleum refining process units	<u>Y</u>	
63.641	Definitions	<u>Y</u>	
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 40 CFR, Part 60.113b(c)(1)(ii) and 60.113b(c)(2); 40 CFR 40 CFR, Part 60.473(c); Regulation 2-6-409.2.2, 2-6-414)	<u>Y</u>	
Part II.95	Closed Vent System Recordkeeping Requirements (Cumulative Increase)	<u>Y</u>	
Part II.96	Closed Vent System P/V Valve VOC limit (Cumulative Increase)	<u>Y</u>	

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	

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
61.343(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(e)	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 \geq 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(e)	Standards: Closed Vent Systems and Control Devices; Control Device Performance Demonstration	Y	
61.349(e)(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(e)	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
61.354(e)	Monitoring of Operations; Closed-vent systems and control devices- -Continuously monitor control device operation	Y	
61.354(e)(1)	Monitor thermal vapor incinerator temperature	Y	
61.354(e)(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 earseal/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)	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(e)(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(e)	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			

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
Condition #1240			
Part I.14	Facility Limits (Cumulative Increase)	Y	
Part I.18	Cumulative Increase Monitoring (Cumulative Increase)	Y	
Part I.18a	NMHC and NO _x 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~~P
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, Rule 1	Particulate Matter, General Requirements and Visible Emissions (12/19/99/12/5/2007)		
6-1-301	Ringelmann #1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310	Particulate Weight Limitation	N	
6-1-401	Appearance of Emissions	N	
6-1-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions	N	
SIP Regulation 6	Particulate Matter and Visible Emissions (9/8/1998)		
6-301	Ringelmann #1 Limitation	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 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)		

IV. Source Specific Applicable Requirements

Table IV - ~~W~~P
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
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	
<u>Part II.32a</u>	<u>Control and Destruction Efficiency Requirement (Regulation 8-5-306, NSPS, cumulative increase, BACT, toxics)</u>	<u>Y</u>	
Part II.58b	Continuous Temperature Monitoring (40 CFR 40 CFR, Part 60.113b(c)(1)(ii) and 60.113b(c)(2); 40 CFR 40 CFR, Part 60.473(c); 40 CFR 61.354(e)(1), 61.354(e)(4); 2-6-409.2.2, 2-6-414)	Y	
<u>Part II.66</u>	<u>Control Requirement (Cumulative Increase)</u>		
<u>Part II.69</u>	<u>Destruction Efficiency Requirement (Cumulative Increase, BACT)</u>		
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	
<u>Part II.94</u>	<u>Contain Emissions in Closed Vent System (Cumulative Increase)</u>	<u>Y</u>	
<u>Part II.95</u>	<u>Closed Vent System Recordkeeping Requirements (Cumulative Increase)</u>	<u>Y</u>	
<u>Part II.96</u>	<u>Closed Vent System P/V Valve VOC limit (Cumulative Increase)</u>	<u>Y</u>	

IV. Source Specific Applicable Requirements

Table IV - ~~X~~Q
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, Rule 1	Particulate Matter, General Requirements and Visible Emissions (12/19/99/12/50/2007)		
6-1-301	Ringelmann #1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310	Particulate Weight Limitation	N	
6-1-310.3	Heat Transfer Operations	N	
6-1-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions	N	
SIP Regulation 6	Particulate Matter and Visible Emissions (9/4/1998)		
6-301	Ringelmann #1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-310.3	Heat Transfer Operations	Y	
6-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions	Y	
BAAQMD Regulation 9, Rule 10	Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon Monoxide from Boilers, Steam Generators, and Process Heaters in Petroleum Refineries (7/17/02)		
9-10-110.1	Exemptions	Y	
BAAQMD Condition #1240			
Part I.5	Asphalt plant Heat Input Limit (Cumulative Increase)	Y	
Part I.6	Prohibition against combustion of fuel oil or diesel fuel (cumulative increase)	Y	
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	Y	

IV. Source Specific Applicable Requirements

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

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

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
#1240			
Part I.14	Facility Limits (Cumulative Increase)	Y	

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
<u>BAAQMD Regulation 8, Rule 5</u>	<u>Organic Compounds, Storage of Organic Liquids (10/18/2006)</u>		
<u>8-5-117</u>	<u>Limited Exemption, Low Vapor Pressure</u>	<u>N</u>	
<u>BAAQMD Regulation 8, Rule 5</u>	<u>Organic Compounds, Storage of Organic Liquids (11/27/02)</u>		
<u>8-5-117</u>	<u>Exemption, Low Vapor Pressure</u>	<u>Y</u>	
<u>40 CFR 63 Subpart CC</u>	<u>National Emission Standards for Hazardous Pollutants for Petroleum Refining (6/23/03)</u>		
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	
<u>BAAQMD Condition</u>			

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
#1240			
Part I.14	Facility Limits (Cumulative Increase)	Y	

IV. Source Specific Applicable Requirements

**Table IV - ~~AA-R~~
 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 (9/15/2004)		
8-8-303	Gauging and Sampling Devices	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)		
8-8-601	Wastewater Analysis for Critical Organic Compounds	Y	
8-8-602	Determination of Emissions	Y	
8-8-603	Inspection Procedures	Y	
40 CFR40 CFR, Part 61 Subpart FF	National Emission Standards for Benzene Waste Operations (12/4/2003) <u>Requirements for Uncontrolled Aqueous Waste Streams in 6BQ Facility</u>		
61.340(a)	Applicability: <u>Chemical Manufacturing, Coke by-product recovery, petroleum refineries</u>	Y	
<u>61.341</u>	<u>Definitions</u>	<u>Y</u>	
<u>61.342</u>	<u>Standards: General</u>	<u>Y</u>	
<u>61.342(b)</u>	<u>Standards: General; Compliance for facilities with TAB >= 10 Mg/year</u>	<u>Y</u>	
<u>61.342(e)</u>	<u>Standards: General; Compliance option – Treat to 6 or 6BQ Option</u>	<u>Y</u>	
<u>61.342(e)(2)</u>	<u>Standards: General; Requirements for treating aqueous wastes (greater than 10% water) for compliance with 61.342(e) compliance option;</u>	<u>Y</u>	
<u>61.342(e)(2)(i)</u>	<u>Standards: General; [Uncontrolled] 61.342(e)(2) Waste shall not contain more than 6.0 Mg/yr benzene (target benzene quantity (TBO).</u>	<u>Y</u>	
<u>61.342(e)(2)(ii)</u>	<u>Standards: General; Determine 61.342(e)(2) benzene quantity in each uncontrolled aqueous waste stream per 61.355(k).</u>	<u>Y</u>	
<u>61.347(a)</u>	<u>Except as provided in 61.352 of this subpart, each oil-water separator shall meet the following standards:</u>	<u>Y</u>	
<u>61.347(a)(1)</u>	<u>Install, operate, and maintain a fixed roof and closed vent system</u>	<u>Y</u>	

IV. Source Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	that routes all organic vapors vented from the oil-water separator to a control device.		
61.347(a)(1)(i)(A)	Standards: Oil Water Separators	Y	
61.347(a)(1)(i)(B)	Standards: Oil Water Separators; Fixed roof No openings	Y	
61.347(a)(1)(ii)	Closed vent systems are subject to 61.349.	Y	
61.347(b)	Cover seals, access hatches, and other openings shall be checked visually initially and quarterly thereafter to ensure no cracks, gaps occur between the cover and wall and that access hatches are closed and gasketed properly.	Y	
61.347(e)	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 \geq 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(e)	Standards: Closed Vent Systems and Control Devices; Control Device Performance Demonstration	Y	
61.349(e)(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(e)	Y	
61.354(e)	Monitoring of Operations; Closed vent systems and control devices—Continuously monitor control device operation	Y	

IV. Source Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
61.354(e)(1)	Monitor thermal vapor incinerator temperature	Y	
61.354(e)(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 earseal/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) Requirements for Group 2 Wastewater Streams		
63.640(c)(3)	Wastewater streams associated with petroleum refining process units	Y	
63.641	Definitions	Y	
63.647(a)	Compliance with 40 CFR 61, Subpart FF, Sections 340 to 355	Y	
63.647(e)	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			

IV. Source Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
#1240			
Part I.14	Facility Limits (Cumulative Increase)	Y	
Part I.18	Cumulative Increase Monitoring (Cumulative Increase)	Y	
Part I.18a	NMHC and NOx estimates (Cumulative Increase)	Y	
Part I.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.32a	Control and Destruction Efficiency Requirement (Regulation 8-5-306, NSPS, cumulative increase, BACT, toxics)	Y	
Part II.58b	Continuous Temperature Monitoring (40 CFR 40 CFR, Part 60.113b(c)(1)(ii) and 60.113b(c)(2); 40 CFR 40 CFR, Part 60.473(c); 40 CFR 61.354(e)(1), 61.354(e)(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	
Part II.93	Contain Emissions in Closed Vent System (Cumulative Increase)	Y	
Part II.95	Closed Vent System Recordkeeping Requirements (Cumulative Increase)	Y	
Part II.96	Closed Vent System P/V Valve VOC limit (Cumulative Increase)	Y	

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	

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
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)		
0.472(e)	Opacity standard	Y	
0.473(e)	Parametric monitoring	Y	
0.473(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 Condition #1240			
Part I.14	Facility Limits (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
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 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(e)(1)(ii) and 60.113b(e)(2); 40 CFR 60.473(e); 40 CFR 61.354(e)(1); 61.354(e)(4), Regulation 2 6 409.2.2, 2 6 414)	Y	

Table IV - ACS
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, <u>Rule 1</u>	Particulate Matter, <u>General Requirements and Visible Emissions (12/19/90 12/5/2007)</u>		
6-1-301	Ringelmann #1 Limitation	<u>N</u>	
6-1-305	Visible Particles	<u>N</u>	
6-1-310	Particulate Weight Limitation	<u>N</u>	
6-1-401	Appearance of Emissions	<u>N</u>	
6-1-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions	<u>N</u>	
<u>SIP Regulation 6</u>	<u>Particulate Matter and Visible Emissions (9/4/1998)</u>		

IV. Source Specific Applicable Requirements

**Table IV - ~~ACS~~
 Source-specific Applicable Requirements
 S54, ASPHALT LOADING RACK**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
6-301	Ringelmann #1 Limitation	<u>Y</u>	
6-305	Visible Particles	<u>Y</u>	
6-310	Particulate Weight Limitation	<u>Y</u>	
6-401	Appearance of Emissions	<u>Y</u>	
6-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions	<u>Y</u>	
BAAQMD Regulation 8, Rule 15	Organic Compounds, Emulsified and Liquid Asphalts (6/1/94)		
8-15-305	Prohibition of Manufacture and Sale	Y	
8-15-501	Records	Y	
BAAQMD Condition #1240			
Part I.14	Facility Limits (Cumulative Increase)	Y	
Part I.18	Cumulative Increase Monitoring (Cumulative Increase)	Y	
Part I.18a	NMHC and NOx estimates (Cumulative Increase)	Y	
Part I.18d	Estimates of NMHC emissions from loading racks (Cumulative Increase)	Y	
Part I.18j	Summary of emissions estimates and reports of non-compliance (Cumulative Increase)	Y	
Part II.32a	Control and Destruction Efficiency Requirement (Regulation 8-5-306, NSPS, cumulative increase, BACT, toxics)	<u>Y</u>	
Part II.58b	Continuous Temperature Monitoring (40 CFR 40 CFR, Part 60.113b(c)(1)(ii) and 60.113b(c)(2); 40 CFR 40 CFR, Part 60.473(c); 40 CFR 61.354(e)(1), 61.354(e)(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 II.94	Contain Emissions in Closed Vent System (Cumulative Increase)	<u>Y</u>	

IV. Source Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part II.95	Closed Vent System Recordkeeping Requirements (Cumulative Increase)	Y	
Part II.96	Closed Vent System P/V Valve VOC limit (Cumulative Increase)	Y	
Part IV.2	Asphalt truck inspections. (1-301)	N	
Part IV.3	Notification to trucking companies (1-301)	N	

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	

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
8-5-328.1	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)	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(e)	Testing and Procedures; Closed vent system and control device (not flare)	Y	
60.113b(e)(1)	Testing and Procedures; Closed vent system and control device (not flare) operating plan submission	Y	
60.113b(e)(1)(i)	Testing and Procedures; Closed vent system and control device (not flare) operating plan efficiency demonstration	Y	
60.113b(e)(1)(ii)	Testing and Procedures; Closed vent system and control device (not flare) operating plan monitoring parameters	Y	
60.113b(e)(2)	Testing and Procedures; Closed vent system and control device (not	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
	flare) operate in accordance with operating plan		
60.115b	Reporting and Recordkeeping Requirements; 60.112b(a) tanks	Y	
60.115b(e)(1)	Reporting and Recordkeeping Requirements; Closed vent system and control device (not flare) operating plan copy	Y	
60.115b(e)(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(e) and 116b(d)	Y	
40 CFR 63 Subpart CC	National Emission Standards for Hazardous Air Pollutants for Petroleum Refineries (6/23/03)		
63.640(e)(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.18e	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	

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
Part II.34	Recordkeeping (Cumulative Increase)	Y	
Part II.58b	Continuous Temperature Monitoring (40 CFR 60.113b(e)(1)(ii) and 60.113b(e)(2); 40 CFR 60.473(e); 40 CFR 61.354(e)(1); 61.354(e)(4), Regulation 2-6-409.2.2, 2-6-414)	Y	

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)		
	Opacity standard	Y	
0.472(e)			
	Parametric monitoring	Y	
0.473(e)			
	Exemption from quarterly reports	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
0.473(d)			
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.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(e)(1)(ii) and 60.113b(e)(2); 40 CFR 60.473(e); 40 CFR 61.354(e)(1); 61.354(e)(4), Regulation 2-6-409.2.2, 2-6-414)	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
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	
8-5-605	Pressure Vacuum Valve Gas Tight Determination	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
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 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(e)	Testing and Procedures; Closed vent system and control device (not flare)	Y	
60.113b(e)(1)	Testing and Procedures; Closed vent system and control device (not flare) operating plan submission	Y	
60.113b(e)(1)(i)	Testing and Procedures; Closed vent system and control device (not flare) operating plan efficiency demonstration	Y	
60.113b(e)(1)(ii)	Testing and Procedures; Closed vent system and control device (not flare) operating plan monitoring parameters	Y	
60.113b(e)(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(e)(1)	Reporting and Recordkeeping Requirements; Closed vent system and control device (not flare) operating plan copy	Y	
60.115b(e)(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(e) and 116b(d)	Y	
40 CFR 63 Subpart CC	National Emission Standards for Hazardous Air Pollutants for Petroleum Refineries (6/23/03)		
63.640(e)(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	

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
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 NO _x estimates (Cumulative Increase)	Y	
Part I.18e	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.32e	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(e)(1)(ii) and 60.113b(e)(2); 40 CFR 60.473(e); 40 CFR 61.354(e)(1); 61.354(e)(4);, Regulation 2-6-409.2.2, 2-6-414)	Y	

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

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 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)		
	Opacity standard	Y	
0.472(e)			
	Parametric monitoring	Y	
0.473(e)			
	Exemption from quarterly reports	Y	
0.473(d)			
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—AG
Source-specific Applicable Requirements
S65-ASPHALT STORAGE TANK

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part I.18	Cumulative Increase Monitoring (Cumulative Increase)	Y	
Part I.18a	NMHC and NO _x estimates (Cumulative Increase)	Y	
Part I.18e	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(e)(1)(ii) and 60.113b(e)(2); 40 CFR 60.473(e); 40 CFR 61.354(e)(1); 61.354(e)(4), Regulation 2-6-409.2.2, 2-6-414)	Y	

Table IV - AHT
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 liters per day (200 gal/day) and smaller than 18.9 liters per second (300 gal/min)	Y	
8-8-301.3	An organic compound vapor recovery system with a combined collection and destruction efficiency of at least 95 percent by	N	

IV. Source Specific Applicable Requirements

**Table IV - ~~AHT~~
 Source-specific Applicable Requirements
 S66, OIL WATER SEPARATOR**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	weight.		
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 40 CFR, Part 61 Subpart FF	National Emission Standards for Benzene Waste Operations (12/4/03) Requirements for Uncontrolled Aqueous Waste Streams in 6BQ Facility		
61.340(a)	Applicability	Y	
<u>61.341</u>	<u>Definitions</u>	<u>Y</u>	
<u>61.342</u>	<u>Standards: General</u>	<u>Y</u>	
<u>61.342(b)</u>	<u>Standards: General; Compliance for facilities with TAB >= 10 Mg/year</u>	<u>Y</u>	
<u>61.342(e)</u>	<u>Standards: General; Compliance option – Treat to 6 or 6BQ Option</u>	<u>Y</u>	
<u>61.342(e)(2)</u>	<u>Standards: General; Requirements for treating aqueous wastes (greater than 10% water) for compliance with 61.342(e) compliance option;</u>	<u>Y</u>	
<u>61.342(e)(2)(i)</u>	<u>Standards: General; [Uncontrolled] 61.342(e)(2) Waste shall not contain more than 6.0 Mg/yr benzene (target benzene quantity (TBO)).</u>	<u>Y</u>	
<u>61.342(e)(2)(ii)</u>	<u>Standards: General; Determine 61.342(e)(2) benzene quantity in each uncontrolled aqueous waste stream per 61.355(k).</u>	<u>Y</u>	

IV. Source Specific Applicable Requirements

Table IV - AHT
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)	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 gasketed properly.	Y	
61.347(e)	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)	Standards: Closed Vent Systems and Control Devices; Enclosed	Y	

IV. Source Specific Applicable Requirements

**Table IV - ~~AHT~~
 Source-specific Applicable Requirements
 S66, OIL WATER SEPARATOR**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
(i)	combustion device requirements		
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(e)	Standards: Closed Vent Systems and Control Devices; Control Device Performance Demonstration	Y	
61.349(e)(2)	Performance tests	Y	
61.349(e)	Administrator may request tests	Y	
61.349(f)	Visually inspect for leaks quarterly	Y	
61.349(g)	Repair leaks: 5 days for first attempt; 15 days for complete repair	Y	
61.349(h)	Monitor per 61.354(e)	Y	
61.354(e)	Monitoring of Operations; Closed vent systems and control devices—Continuously monitor control device operation	Y	
61.354(e)(1)	Monitor thermal vapor incinerator temperature	Y	
61.354(e)(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	Y	

IV. Source Specific Applicable Requirements

Table IV - ~~AHT~~
Source-specific Applicable Requirements
S66, OIL WATER SEPARATOR

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	vapor incinerator		
61.356(j)(6)	Recordkeeping Requirements: Control device operation process heater	Y	
40-CFR40 CFR, Part 63 Subpart CC	National Emission Standards for Hazardous Pollutants for Petroleum Refining (6/23/03) <u>Requirements for Group 2 Wastewater Streams</u>		
63.640(c)(3)	Wastewater streams associated with petroleum refining process units	Y	
63.641	Definitions	Y	
63.640(e)(1)	Overlap: Sources subject to National Emission Standards for Hazardous Air Pollutants (MACT) Subpart CC and NSPS Subpart QQQ are only required to comply with Subpart CC provisions	Y	
63.647(a)	Compliance with 40-CFR-61, Subpart FF, Sections 340 to 355	Y	
63.647(e)	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.32a	Control and Destruction Efficiency Requirement (Regulation 8-5-306, NSPS, cumulative increase, BACT, toxics)	Y	
Part II.58b	Continuous Temperature Monitoring (40-CFR40 CFR, Part 60.113b(c)(1)(ii) and 60.113b(c)(2); 40-CFR40 CFR, Part 60.473(c); 40-CFR-61.354(e)(1), 61.354(e)(4); Regulation 2-6-409.2.2, 2-6-414)	Y	

IV. Source Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part II.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	
<u>Part II.84</u>	<u>Equipped with a gasketed, vapor tight cover (as defined in Regulation 8, Rule 8)</u>	<u>Y</u>	
Part II.87	Monitoring and recordkeeping (Cumulative increase)	Y	
Part II.88	Monitoring and recordkeeping (Cumulative increase)	Y	
<u>Part II.93</u>	<u>Contain Emissions in Closed Vent System (Cumulative Increase)</u>	<u>Y</u>	
<u>Part II.95</u>	<u>Closed Vent System Recordkeeping Requirements (Cumulative Increase)</u>	<u>Y</u>	
<u>Part II.96</u>	<u>Closed Vent System P/V Valve VOC limit (Cumulative Increase)</u>	<u>Y</u>	

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	

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
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	
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(e)	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 \geq 500 ppmv, annual inspection	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
61.349(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(e)	Standards: Closed-Vent Systems and Control Devices; Control Device Performance Demonstration	Y	
61.349(e)(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(e)	Y	
61.354(e)	Monitoring of Operations; Closed-vent systems and control devices – Continuously monitor control device operation	Y	
61.354(e)(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)	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	

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(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(e)(1)(ii) and 60.113b(e)(2); 40 CFR 60.473(e); 40 CFR 61.354(e)(1), 61.354(e)(4), Regulation 2-6-409.2.2, 2-6-414)	Y	

Table IV - AJU
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, Rule 1	Particulate Matter, <u>General Requirements and Visible Emissions</u> (<u>12/19/90</u> <u>12/5/2007</u>)		
6-1-303	Ringelmann #2 Limitation	<u>N</u> Y	
6-1-303.1	Standby sources of power	<u>N</u> Y	
6-1-305	Visible Particles	<u>N</u> Y	
6-1-310	Particulate Weight Limitation	<u>N</u> Y	
6-1-401	Appearance of Emissions	<u>N</u> Y	
6-1-601	<u>Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and</u>	<u>N</u>	

IV. Source Specific Applicable Requirements

**Table IV - AJU
 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
	Appraisal of Visible Emissions		
<u>SIP Regulation 6</u>	<u>Particulate Matter and Visible Emissions (9/4/1998)</u>		
6-303	Ringelmann #2 Limitation	<u>Y</u>	
6-303.1	Standby sources of power	<u>Y</u>	
6-305	Visible Particles	<u>Y</u>	
6-310	Particulate Weight Limitation	<u>Y</u>	
6-401	Appearance of Emissions	<u>Y</u>	
6-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions	<u>Y</u>	
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 (8/1/0107/25/2007)		
9-8-330	Emergency Standby Engines, Hours of Operation	N	
9-8-330.1	Emergency Standby Engines, Hours of Operation	<u>N</u>	
9-8-330.2	Emergency Standby Engines, Hours of Operation	<u>N</u>	
9-8-330.3	Emergency Standby Engines, Hours of Operation	<u>N</u>	<u>1/1/2012</u>
9-8-530	Emergency standby engines, monitoring and recordkeeping	N	
9-8-530.1	Hours of operation (total)	<u>N</u>	
9-8-530.2	Hours of operation (emergency)	<u>N</u>	
9-8-530.3	Nature of emergency condition	<u>N</u>	
<u>CCR, Title 17, Section 93115</u>	<u>ATCM for Stationary Compression Ignition Engines</u>		
93115.3	Exemptions	<u>N</u>	
93115.3(n)	Operating limits in 93115.6(b)(3) do not apply to fire pumps driven by stationary CI engines and are only operated the number of hours necessary to comply with NFPA 25 testing requirements	<u>N</u>	
93115.5	Fuel and Fuel Additive Requirements for New and In-Use Stationary CI Engines That Have a Rated Brake Horsepower of Greater than 50 (> bhp)	<u>N</u>	
93115.5(b)	Fuel requirements for in-sue emergency standby stationary diesel-fueled	<u>N</u>	

IV. Source Specific Applicable Requirements

**Table IV - AJU
 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
	CI engines		
93115.5(b)(1)	Must use CARB Diesel Fuel	<u>N</u>	
93115.10(g)	Reporting Requirements for Emergency Standby Engines	<u>N</u>	
93115.15	Severability	<u>N</u>	
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			
Part 1	Sulfur content of fuel (Cumulative Increase)	Y	
<u>BAAQMD Condition 22851</u>			
Part 1	Emergency standby engine operations ("Stationary Diesel Engine ATCM", CA Code of Regulations, Title 17, Section 93115.3(n))	<u>Y</u>	
Part 2	Emergency standby engine operations (BAAQMD Regulation 9-8-330)	<u>Y</u>	
Part 3	Emergency standby engine non-resettable totalizing meter requirements (BAAQMD Regulation 9-8-530, "Stationary Diesel Engine ATCM", CA Code of Regulations, Title 17, Section 93115.10(e)(1))	<u>Y</u>	
Part 4	Emergency standby engine recordkeeping (BAAQMD Regulation 9-8-530, 2-6-501, and "Stationary Diesel Engine ATCM", CA Code of Regulations, Title 17, Section 93115.10(g))	<u>Y</u>	

IV. Source Specific Applicable Requirements

Table IV - ~~AKV~~
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, Rule 1	Particulate Matter, General Requirements and Visible Emissions (12/19/90 12/5/2007)		
6-1-301	Ringelmann #1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310	Particulate Weight Limitation	N	
6-1-311	General Operations	N	
6-1-401	Appearance of Emissions	N	
6-1-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions	N	
SIP Regulation 6	Particulate Matter and Visible Emissions (9/4/1998)		
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	
6-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible 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 - ~~ALW~~
 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, Rule 1	Particulate Matter, General Requirements and Visible Emissions (12/19/9012/5/2007)		
6-1-301	Ringelmann #1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310	Particulate Weight Limitation	N	
6-1-401	Appearance of Emissions	N	
<u>6-1-601</u>	<u>Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions</u>	<u>N</u>	
SIP Regulation 6	Particulate Matter and Visible Emissions (9/4/1998)		
<u>6-301</u>	<u>Ringelmann #1 Limitation</u>	<u>Y</u>	
<u>6-305</u>	<u>Visible Particles</u>	<u>Y</u>	
<u>6-310</u>	<u>Particulate Weight Limitation</u>	<u>Y</u>	
<u>6-311</u>	<u>General Operations</u>	<u>Y</u>	
<u>6-401</u>	<u>Appearance of Emissions</u>	<u>Y</u>	
<u>6-601</u>	<u>Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions</u>	<u>Y</u>	
BAAQMD Regulation 8, Rule 5	Organic Compounds, Storage of Organic Liquids (10/18/2006)		
<u>8-5-117</u>	<u>Limited Exemption, Low Vapor Pressure</u>	<u>N</u>	
SIP BAAQMD Regulation 8, Rule 5	Organic Compounds, Storage of Organic Liquids (06/05/200311/27/02)		
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	
BAAQMD	<u>New Source Performance Standards</u>		

IV. Source Specific Applicable Requirements

Table IV - ~~ALW~~
Source-specific Applicable Requirements
S70-ASPHALT ADDITIVE MIXING TANK

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Regulation 10	Incorporation by Reference (2/16/00)		
10-51	40-CFR40 CFR, Part 60 Subpart UU	<u>Y</u>	
40-CFR40 CFR, Part 60 Subpart UU	Standards of Performance for Asphalt Processing and Asphalt Roofing Manufacture (10/17/00)		
60.470(a)	Applicability and designation of affected facilities; asphalt storage tanks	<u>Y</u>	
60.470(b)	Applicability and designation of affected facilities; asphalt storage tanks	<u>Y</u>	
60.472(c)	Asphalt storage tank opacity standard	Y	
60.473(c)	Parametric monitoring	Y	
60.473(d)	Exemption from quarterly reports	Y	
60.474(c)(5)	Test methods and procedures; use Method 9 and 60.11 to determine opacity	<u>Y</u>	
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.32a	Control and Destruction Efficiency Requirement (Regulation 8-5-306, NSPS, cumulative increase, BACT, toxics)	<u>Y</u>	
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-CFR40 CFR, Part 60.113b(c)(1)(ii) and 60.113b(c)(2); 40-CFR40 CFR, Part 60.473(c); 40 CFR 61.354(e)(1), 61.354(e)(4) , Regulation 2-6-409.2.2, 2-6-414)	Y	
Part II.94	Contain Emissions in Closed Vent System (Cumulative Increase)	Y	
Part II.95	Closed Vent System Recordkeeping Requirements (Cumulative Increase)	<u>Y</u>	

IV. Source Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
<u>Part II.96</u>	<u>Closed Vent System P/V Valve VOC limit (Cumulative Increase)</u>	<u>Y</u>	
BAAQMD Condition #20278			
Part 1	Throughput limit (2-2-212, Cumulative Increase)	Y	
<u>Part 3</u>	<u>Control requirement (2-2-212, Cumulative Increase)</u>	<u>Y</u>	
Part 4	Public nuisance (1-301)	N	
Part 6	Recordkeeping (2-6-501)	Y	

Table IV- AMX0
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 & SIP Regulation 8, Rule 18	BAAQMD & SIP Regulation 8, Rule 28	NSPS Part 60, Subpart QQQ; BAAQMD Regulation 10-69 40-CFR40 CFR, Part 60 Subparts GGG/VV BAAQMD Regulations 10-59/10-52 Note 7	NSPS Part 60, Subpart VV; BAAQMD Regulation 10-52 40-CFR40 CFR, Part 60 Subparts GGGa/VVa Note 8	NESHAP Part 61, Subpart FF; BAAQMD Regulation 11, Rule 12 Note 2 Note 3	NESHAP Part 63, 40-CFR40 CFR, Part 63 Subpart CC; 40-CFR40 CFR, Part 60 Subpart VV Note 1
S1, S2, S4, and S23 Crude Tankage receipt piping. (4)	X	X				
S1, S2, S4, and S23 Crude	X	X		X(+)		X (1)

IV. Source Specific Applicable Requirements

**Table IV- AMX0
 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 & SIP Regulation 8, Rule 18	BAAQMD & SIP Regulation 8, Rule 28	NSPS Part 60, Subpart QQQ; BAAQMD Regulation 10-69 40-CFR40 CFR, Part 60 Subparts GGG/VV Regulations 10-59/10-52 Note 7	NSPS Part 60, Subpart VV; BAAQMD Regulation 10-52 40-CFR40 CFR, Part 60 Subparts GGGa/VVa Note 8	NESHAP Part 61, Subpart FF; BAAQMD Regulation 11, Rule 12 Note 2 Note 3	NESHAP Part 63, 40-CFR40 CFR, Part 63 Subpart CC; 40-CFR40 CFR, Part 60 Subpart VV Note 1
Tankage feed piping to S18 Crude Unit. (4)						
<u>Wastewater Treatment Plant. (Note 2)</u> S12, S25-S28, Wastewater sources, S41 WEMCO Hydrocleaner, S66 Oil-Water Separator (Note 4), Recovered Oil Equipment, S27 & S67, Recovered Oil Tanks and associated closed vent systems and Closed Vent Systems at Wastewater Treatment Plant.	X	X	X(3)		X(2)	X(1,2)
<u>S9 Naphtha Tank fill line and naphtha transfer line from S9 to Refinery S14 Naphtha Loading Rack, including vapor recovery system and fill line from S9 Naphtha Tank.</u>	X	X			X(3)	X(1)
S15, Loading Racks - Gas Oil	X	X				
S16, Truck Loading Rack -	X	X				

IV. Source Specific Applicable Requirements

Table IV- ~~AMX0~~
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 & SIP Regulation 8, Rule 18	BAAQMD & SIP Regulation 8, Rule 28	NSPS Part 60, Subpart QQ; BAAQMD Regulation 10-69 40-CFR40 CFR, Part 60 Subparts GGG/VV Regulations 10-59/10-52 Note 7	NSPS Part 60, Subpart VV; BAAQMD Regulation 10-52 40-CFR40 CFR, Part 60 Subparts GGGa/VVa Note 8	NESHAP Part 61, Subpart FF; BAAQMD Regulation 11, Rule 12 Note 2 Note 3	NESHAP Part 63, 40-CFR40 CFR, Part 63 Subpart CC; 40-CFR40 CFR, Part 60 Subpart VV Note 1
Heavy Vacuum Gas Oil						
S17, Loading Racks – Asphalt	X	X				
S18 Crude Unit, including Atmospheric Tower (T-1), KD stripped tower (T-2) , crude charge circuit, overhead off-gas system, caustic scrubbers (delete upon startup of atmospheric PRD removal project), and excluding vacuum tower (T-3) and booster compressor (booster compressor exclusion only applies upon startup of atmospheric PRD removal project).	X	X		X(1)		X(1)
S18 Vacuum Tower (T-3) overhead gas system	X	X				X(1)
S18 Booster Compressor (upon startup of atmospheric PRD removal project)	X		X	X		
S31, Rail Car Asphalt Loading	X					

IV. Source Specific Applicable Requirements

Table IV- ~~AMX0~~
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 & SIP Regulation 8, Rule 18	BAAQMD & SIP Regulation 8, Rule 28	NSPS Part 60, Subpart QQQ; BAAQMD Regulation 10-69 40-CFR40 CFR, Part 60 Subparts GGG/VV BAAQMD Regulations 10-59/10-52 Note 7	NSPS Part 60, Subpart VV; BAAQMD Regulation 10-52 40-CFR40 CFR, Part 60 Subparts GGGa/VVa Note 8	NESHAP Part 61, Subpart FF; BAAQMD Regulation 11, Rule 12 Note 2 Note 3	NESHAP Part 63, 40-CFR40 CFR, Part 63 Subpart CC; 40-CFR40 CFR, Part 60 Subpart VV Note 1
Rack						
S54, Asphalt Loading Rack	X					
Fuel gas system, including natural gas piping.	X	X				<u>Exempt</u>
All Other Piping, including natural gas piping	X	X				<u>X (1)</u>

Notes:

- (1) Fugitive components ~~which that~~ are subject to the equipment leak standards of ~~40-CFR40 CFR, Part 63 Subpart CC~~ shall ~~must~~ comply with the equipment leak standards set forth in ~~40-CFR40 CFR, Part 60 Subpart VV~~.
- (2) ~~The benzene waste streams generated at the Asphalt Plant and routed to the Wastewater Treatment Plant equipment~~ Equipment via the API sewer are ~~which is~~ subject to 40 CFR Part 63 Subpart CC and ~~comply shall comply~~ with the provisions of ~~40-CFR40 CFR, Part 61 Subpart FF in 61.342(e)(2) for uncontrolled aqueous wastes. The Wastewater Treatment Plant Equipment is not subject to the control standards for 40-CFR40 CFR, Part 61 Subpart FF waste management units.~~
- (3) The naphtha stream generated at the Asphalt Plant and transferred by pipeline to the Refinery (B2626) is a benzene waste subject to ~~40-CFR40 CFR, Part 61 Subpart FF~~. It complies with the provisions of 61.342(e)(1) for controlled non-aqueous wastes. Tank 4607 (S9), the tank fill line, and the transfer line from the tank to the Refinery are all subject to ~~40-CFR40 CFR, Part 61 Subpart FF~~. S9 complies with the requirements of 61.351 for internal floating roof tanks. The fill and transfer lines are individual drain systems subject to 61.346(b)(3).
- (4) S66, Oil Water Separator was installed after the effective date of ~~40-CFR40 CFR, Part 60 Subpart QQQ~~, but was not a new source at the time it was installed. The OWS was purchased from Pacific Refining Company and was previously located at that company's refinery in Rodeo, CA that has since been shut down and dismantled. Valero's records show that the work done to the source at the time of its acquisition and installation did not meet the criteria for modification under NSPS (~~40-CFR40 CFR, Part 60 Subpart A; 60.14~~). In addition, in accordance with ~~40-CFR40 CFR, Part 60 Subpart A; 60.14(e)(6)~~ - the relocation or change in ownership of an existing facility is not by itself considered to be a modification. Therefore, because S66 was not newly constructed, reconstructed, or modified as defined in ~~40-CFR40 CFR, Part 60 Subpart A~~ when it was installed at the Asphalt Plant, it is not subject to ~~40-CFR40 CFR, Part 60 Subpart QQQ~~.
- (3) ~~Per 40 CFR Part 63 Section 63.640 (e)(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).~~
- (45) 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.
- (56) Sources subject to BAAQMD Regulation 8-18 ~~and 8-28~~ are also subject to any applicable requirements of SIP BAAQMD Regulation 8-18

IV. Source Specific Applicable Requirements

and 8-28 when the SIP and BAAQMD versions of ~~these two rules~~this rule are not the same.
 (7) Fugitive components that are subject to the equipment leak standards of ~~40-CFR40 CFR, Part 60 Subpart GGG~~ must comply with the equipment leak standards set forth in ~~40-CFR40 CFR, Part 60 Subpart VV~~.
 (8) Fugitive components that are subject to the equipment leak standards of ~~40-CFR40 CFR, Part 60 Subpart GGGa~~ must comply with the equipment leak standards set forth in ~~40-CFR40 CFR, Part 60 Subpart VVa~~.

**Table IV – ANX1
 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 (9/5/2004)		
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	
<u>8-18-308</u>	<u>Alternate compliance</u>	<u>Y</u>	
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	

IV. Source Specific Applicable Requirements

**Table IV – ANX1
 Applicable Requirements
 COMPONENTS**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-18-503	Reports	N	
8-18-601	Analysis of Samples	Y	
8-18-602	Inspection Procedure	Y	
8-18-603	Determination of Control Efficiency	N	
8-18-604	Determination of Mass Emissions	N	
SIP Regulation 8, Rule 18	Organic Compounds-Equipment Leaks (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 Measures using a	N	7/1/07

IV. Source Specific Applicable Requirements

**Table IV – ANX1
 Applicable Requirements
 COMPONENTS**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	Process Hazards Analysis		
8-28-405.3	The Process Safety Requirements must be approved and signed	N	
8-28-405.4	The Process Safety Requirements must be submitted for review to the APCO		
8-28-406	Monitoring System Demonstration Report	N	6/1/07
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	
BAAQMD Regulation 10	<u>New Source Performance Standards</u> <u>Incorporation by Reference (2/16/00XXXXX)</u>		
10-52	40-CFR40 CFR, Part 60 Subpart VV	Y	
10-59	40-CFR40 CFR, Part 60 Subpart GGG	Y	
40-CFR40 CFR, Part 60 Subpart VV; BAAQMD Regulation 10-52	Standards of Performance for Equipment Leaks (Fugitive Emission Sources) (12/14/00) Applicability determined by 40-CFR40 CFR, Part 60 Subpart GGG and 40-CFR40 CFR, Part 63 Subpart CC; BAAQMD Standards of Performance for New Stationary Sources (12/20/95)		
60.480	Applicability and Designation of Affected Facility	Y	

IV. Source Specific Applicable Requirements

**Table IV – ANX1
 Applicable Requirements
 COMPONENTS**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.482-1	General Standards: <u>General</u>	Y	
60.482-2	Pump Standards: <u>Pumps in light liquid service</u>	Y	
60.482-3	Compressor Standards: <u>Compressor</u>	Y	
60.482-4	Requirements for Standards: <u>Pressure Relief Devices</u> in gas/vapor service	Y	
60.482-5	Requirements for Standards: <u>Sampling connecting systems</u>	Y	
60.482-6	Requirements for Standards: <u>Open-ended valves or lines</u>	Y	
60.482-7	<u>Standards : Valves in gas/vapor service and in light liquid service:</u>	Y	
60.482-7(a)-(c)	Monitor monthly unless 2 successive months <10,000 ppm, them then monitor <u>first month of each</u> quarterly. If leak >10,000 ppm is detected, resume monthly monitoring	Y	
<u>60.482-7(h)</u>	<u>Exemption for valves designated difficult to monitor – must be monitored annually</u>	<u>Y</u>	
60.482-7(e)	Methods for first attempts or minimizing valve leaks	Y	
60.482-7(f)	Designated no-emissions (< 500 ppm) valves with no external actuating mechanisms in contact with process fluid, may revert to annual monitoring, or that requested by the Administrator	Y	
<u>60.482-7(h)</u>	<u>Exemption for valves designated difficult to monitor – must be monitored annually</u>	<u>Y</u>	
60.482-8	Standards: <u>Pumps and valves in heavy liquid service, pressure relief devices in light liquid or heavy liquid service, and connectors</u> Pumps & Valves in Heavy Liquid Service, Pressure Relief Devices in Light Liquid or Heavy Liquid Service, and Flanges & Other Connectors	Y	
<u>60.482-9</u>	<u>Standards: Delay of repairs</u>	<u>Y</u>	
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	
<u>60.482-9(f)</u>	<u>Leaking pumps or valves in service during delay of repair are considered repaired and no longer subject to delay of repair</u>	<u>Y</u>	

IV. Source Specific Applicable Requirements

**Table IV – ANX1
 Applicable Requirements
 COMPONENTS**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	<u>requirements if two consecutive monthly monitoring less than the leak definition.</u>		
60.482-10	Requirements for closed-vent systems and control devices		
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	
60.484	<u>Equivalence of means of emission limitation</u>	<u>Y</u>	
60.485	Test Methods and Procedures	Y	
60.486	Record keeping	Y	
60.487	Reporting <u>Requirements</u>	Y	
40-CFR40 CFR, Part 60 Subpart VVa	Standards of Performance for Equipment Leaks (Fugitive Emission Sources) (12/14/00) Applicability determined by <u>40-CFR40 CFR, Part 60 Subpart GGG a</u>		
60.482-1a	<u>General Standards</u>	<u>Y</u>	
60.482-2a	<u>Pump Standards:</u>	<u>Y</u>	
60.482-3a	<u>Compressor Standards</u>	<u>Y</u>	
60.482-4a	<u>Requirements for Pressure Relief Devices in gas/vapor service</u>	<u>Y</u>	
60.482-5a	<u>Requirements for Sampling connecting systems</u>	<u>Y</u>	
60.482-6a	<u>Requirements for Open-ended valves or lines</u>	<u>Y</u>	
60.482-7a	<u>Valve Standards:</u>	<u>Y</u>	
60.482-7a(a)-(c)	<u>Monitor monthly unless 2 successive months <10,000 ppm, then monitor first month of each quarter. If leak >10,000 ppm is detected, resume monthly monitoring</u>	<u>Y</u>	
60.482-7a(e)	<u>Methods for first attempts or minimizing valve leaks</u>	<u>Y</u>	
60.482-7a(f)	<u>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</u>	<u>Y</u>	
60.482-8a	<u>Standards: Pumps & Valves in Heavy Liquid Service, Pressure Relief Devices in Light Liquid or Heavy Liquid Service, and Flanges & Other Connectors</u>	<u>Y</u>	
60.482-9a(a)	<u>Delay of repairs</u>	<u>Y</u>	
60.482-9a(b)	<u>Repair may be delayed for isolated equipment</u>	<u>Y</u>	

IV. Source Specific Applicable Requirements

**Table IV – ANX1
 Applicable Requirements
 COMPONENTS**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.482-9a(c)	Delay of repair for valves is only allowed under certain circumstances	Y	
60.482-9a(d)	Delay of repairs for pumps	Y	
60.482-9a(d)(1)	Only dual-mechanical seal pumps qualify for delay of repair	Y	
60.482-9a(d)(2)	Pump leaks must be repaired within 6 months	Y	
60.482-10a	Requirements for closed-vent systems and control devices	Y	
60.483-1a	Alternative standards for valves-allowable percentage of valves leaking	Y	
60.483-2a	Alternative standards for valves-skip period leak detection and repair	Y	
60.485a	Test Methods and Procedures	Y	
60.486a	Record keeping	Y	
60.487a	Reporting	Y	
40 CFR40 CFR, Part 60 Subpart GGG	Standards of Performance for Equipment Leaks at Petroleum Refineries After January 4, 1983 and on or before November 7, 2006 (6/2/2008)		
60.590	Applicability and designation of affected facility	Y	
60.590(a)(1)	Applicability: Affected facilities in petroleum refineries	Y	
60.590(a)(2)	Applicability: A compressor is an affected facility	Y	
60.590(a)(3)	Applicability: Group of all equipment (60.591 definition) within a process unit is an affected facility	Y	
60.590(b)	Applicability : Dates of construction, reconstruction, and modification	Y	
60.590(c)	Applicability : Limitation of modifications	Y	
60.590(e)	Stay of standards [process unit definition in 60.591] and effective definition of process unit	Y	
60.591	Definitions	Y	
60.592	Standards	Y	
60.592(a)	Comply with 40 CFR40 CFR, Part 60 Subpart VV, 60.482-1 through 60.482-10 no later than 180 days after initial startup of affected facility	Y	
60.592(b)	Alternatives to 40 CFR40 CFR, Part 60 Subpart VV ; 60.482-7 (valve standards)	Y	
60.592(b)(1)	OPTION 1 : May elect to comply with 40 CFR40 CFR, Part 60 Subpart VV, 60.483-1	Y	
60.592(b)(2)	OPTION 2 : May elect to comply with 40 CFR40 CFR, Part 60	Y	

IV. Source Specific Applicable Requirements

**Table IV – ANX1
 Applicable Requirements
 COMPONENTS**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	<u>Subpart VV, 60.483-2</u>		
60.592(c)	<u>Equivalency application</u>	<u>Y</u>	
60.592(d)	<u>Comply with 40 CFR40 CFR, Part 60 Subpart VV, 60.485 except as provided in 60.593</u>	<u>Y</u>	
60.592(e)	<u>Comply with 40 CFR40 CFR, Part 60 Subpart VV, 60.486 and 60.487</u>	<u>Y</u>	
60.593	<u>Exceptions</u>	<u>Y</u>	
60.593(a)	<u>Allowable exceptions to 40 CFR40 CFR, Part 60 Subpart VV</u>	<u>Y</u>	
60.593(b)(1)	<u>Exception for compressors in hydrogen service</u>	<u>Y</u>	
60.593(b)(2)	<u>Compressors in hydrogen service - Determination requirements</u>	<u>Y</u>	
60.593(b)(3)(i)	<u>Compressors in hydrogen service – Engineering judgement. Method for dispute resolution</u>	<u>Y</u>	
60.593(b)(3)(ii)	<u>Compressors in hydrogen service – procédure for modifying service détermination</u>	<u>Y</u>	
60.593(c)	<u>Allowable exceptions for existing reciprocating compressors</u>	<u>Y</u>	
60.593(d)	<u>Allowable methods for determining ligut liquid service</u>	<u>Y</u>	
60.593(f)	<u>Exceptions for open-ended valves or lines containing asphalt</u>	<u>Y</u>	
<u>40 CFR</u>40 CFR, Part 60 Subpart <u>GGGa</u>	<u>Standards of Performance for Equipment Leaks at Petroleum Refineries After November 7, 2006 (6/2/2008)</u>		
60.590a	<u>Applicability and désignation of affected facility</u>	<u>Y</u>	
60.590a(a)(1)	<u>Applicability: Affected facilities in petroleum refineries</u>	<u>Y</u>	
60.590a(a)(2)	<u>Applicability: A compressor is an affected facility</u>	<u>Y</u>	
60.590a(a)(3)	<u>Applicability: Group of all equipment (60.591 definition) within a procès unit is an affected facility</u>	<u>Y</u>	
60.590a(b)	<u>Applicability : Dates of construction, reconstruction, and modification</u>	<u>Y</u>	
60.590a(c)	<u>Applicability : Limitation of modifications</u>	<u>Y</u>	
60.590a(e)	<u>Stay of standards [procès unit définition in 60.591] and effective définition of procès unit</u>	<u>Y</u>	
60.591a	<u>Definitions</u>	<u>Y</u>	
60.592a	<u>Standards</u>	<u>Y</u>	
60.592a(a)	<u>Comply with 40 CFR40 CFR, Part 60 Subpart VVa, 60.482-1a through 60.482-10a no later than 180 days after initial startup of affected facility</u>	<u>Y</u>	
60.592a(b)	<u>Alternatives to 40 CFR40 CFR, Part 60 Subpart VVa: 60.482-7a</u>	<u>Y</u>	

IV. Source Specific Applicable Requirements

**Table IV – ANX1
 Applicable Requirements
 COMPONENTS**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	(valve standards)		
60.592a(b)(1)	OPTION 1 : May elect to comply with 40-CFR40 CFR, Part 60 Subpart VVa, 60.483-1a	Y	
60.592a(b)(2)	OPTION 2 : May elect to comply with 40-CFR40 CFR, Part 60 Subpart VVa, 60.483-2a	Y	
60.592a(c)	Equivalency application	Y	
60.592a(d)	Comply with 40-CFR40 CFR, Part 60 Subpart VVa, 60.485a except as provided in 60.593	Y	
60.592a(e)	Comply with 40-CFR40 CFR, Part 60 Subpart VVa, 60.486a and 60.487a	Y	
60.593a	Exceptions	Y	
60.593a(a)	Allowable exceptions to 40-CFR40 CFR, Part 60 Subpart VVa	Y	
60.593a(b)(1)	Exception for compressors in hydrogen service	Y	
60.593a(b)(2)	Compressors in hydrogen service - Determination requirements	Y	
60.593a(b)(3)(i)	Compressors in hydrogen service – Engineering judgement. Method for dispute resolution	Y	
60.593a(b)(3)(ii)	Compressors in hydrogen service – procédure for modifying service détermination	Y	
60.593a(c)	Allowable exceptions for existing reciprocating compressors	Y	
60.593a(d)	Allowable methods for determining ligut liquid service	Y	
60.593a(f)	Exceptions for open-ended valves or lines containing asphalt	Y	
60.593a(g)	Exceptions for connectors in gas/vapor or light liquid service	Y	
40-CFR40 CFR, Part 61 Subpart FF	NESHAP, Benzene Waste Operations (12/4/03) Requirements for Equipment Leaks		
61.343(a)(1)(i)(A)	Standards: Tanks; Fixed Roof – Fugitive emissions less than 500 ppmv	N	
61.345(a)(1)(i)	Standards: Containers, Covers and Openings, no detectable emissions (< 500 ppmv); annual inspection	Y	
61.345(b)	Standards: Containers, Covers and Openings, quarterly visible inspection for leaks	Y	
61.345(c)	Standards: Containers, Covers and Openings, repair requirements if detectable emissions measured or leak detected	Y	
61.347(a)(1)	Standards: Oil Water Separators, cover and openings, no detectable	Y	

IV. Source Specific Applicable Requirements

**Table IV – ANX1
 Applicable Requirements
 COMPONENTS**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
(i)(A)	emissions (< 500 ppmv); annual inspection		
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	
61.350	Delay of repair	Y	
61.355(h)	Compliance Test methods for no detectable detectable emissions	Y	
61.356(h)	Records of tests for no detectable emissions	Y	
61.357(d)(8)	Reports of inspections where detectable emissions measured	Y	
BAAQMD Regulation 10-52	Incorporates by reference 40 CFR 60 Subpart VV	N	
40 CFR 40 CFR, Part 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 40 CFR, Part 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	
63.648(g)	Equipment Leak Standards—Exemption – certain reciprocating pumps	Y	
63.648(h)	Equipment Leak Standards—Record retention; 5 years	Y	
63.648(i)	Equipment Leak Standards—Exemption – certain reciprocating compressors	Y	
63.654(d)	Recordkeeping and reporting – Equipment leaks	Y	
BAAQMD Condition #1240			
Part I.14	Facility Limits (cumulative increase)	Y	
Part I.18	Cumulative Increase Monitoring (Cumulative Increase)	Y	
Part I.18a	NMHC and NOx estimates (Cumulative Increase)	Y	

IV. Source Specific Applicable Requirements

Table IV – ANX1
Applicable Requirements
COMPONENTS

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

Table IV – X2
Applicable Requirements
PRESSURE RELIEF DEVICES SUBJECT TO BAAQMD REGULATION 8, RULE 28

<u>Applicable Requirement</u>	<u>Regulation Title or Description of Requirement</u>	<u>Federally Enforceable (Y/N)</u>	<u>Future Effective Date</u>
<u>BAAQMD Regulation 8, Rule 28</u>	<u>Episodic Releases From Pressure Relief Devices at Petroleum Refineries and Chemical Plants (12/21/2005)</u>		
<u>8-28-111</u>	<u>Exemption, Evaporation Point</u>	<u>N</u>	
<u>8-28-112</u>	<u>Exemption, Storage Tanks</u>	<u>Y</u>	
<u>8-28-115</u>	<u>Exemption, Thermal Relief Valves</u>	<u>N</u>	
<u>8-28-303</u>	<u>Existing Pressure Relief Devices at Petroleum Refineries</u>	<u>N</u>	
<u>8-28-304</u>	<u>Repeat Releases - Pressure Relief Devices at Petroleum Refineries</u>	<u>N</u>	
<u>8-28-401</u>	<u>Reporting at Petroleum Refineries and Chemical Plants</u>	<u>N</u>	
<u>8-28-402</u>	<u>Inspection</u>	<u>N</u>	
<u>8-28-404</u>	<u>Identification</u>	<u>N</u>	
<u>8-28-405</u>	<u>Process Safety Requirements</u>	<u>N</u>	
<u>8-28-405.1</u>	<u>Establish training, equipment, inspection, maintenance and monitoring requirement</u>	<u>N</u>	
<u>8-28-405.2</u>	<u>Implement at least 3 redundant Prevention Measures using a Process Hazards Analysis</u>	<u>N</u>	
<u>8-28-405.3</u>	<u>The Process Safety Requirements must be approved and signed</u>	<u>N</u>	
<u>8-28-405.4</u>	<u>The Process Safety Requirements must be submitted for review to the APCO</u>		
<u>8-28-502</u>	<u>Records</u>	<u>N</u>	
<u>8-28-503</u>	<u>Monitoring</u>	<u>N</u>	
<u>8-28-602</u>	<u>Determination of Control Efficiency</u>	<u>N</u>	

IV. Source Specific Applicable Requirements

Table IV – X2
Applicable Requirements
PRESSURE RELIEF DEVICES SUBJECT TO BAAQMD REGULATION 8, RULE 28

<u>Applicable Requirement</u>	<u>Regulation Title or Description of Requirement</u>	<u>Federally Enforceable (Y/N)</u>	<u>Future Effective Date</u>
SIP BAAQMD Regulation 8, Rule 28	<u>Episodic Releases From Pressure Relief Devices at Petroleum Refineries and Chemical Plnts (5/24/2004)</u>		
<u>8-28-111</u>	<u>Exemption, Evaporation Point</u>	<u>Y</u>	
<u>8-28-303</u>	<u>Pressure Relief Devices at Existing Sources at Petroleum Refineries</u>	<u>Y</u>	
<u>8-28-304</u>	<u>Repeat Releases - Pressure Relief Devices at Petroleum Refineries</u>	<u>Y</u>	
<u>8-28-401</u>	<u>Reporting at Petroleum Refineries and Chemical Plants</u>	<u>Y</u>	
<u>8-28-402</u>	<u>Inspection</u>	<u>Y</u>	
<u>8-28-403</u>	<u>Records</u>	<u>Y</u>	
<u>8-28-404</u>	<u>Identification</u>	<u>Y</u>	
<u>8-28-405</u>	<u>Prevention Measures Procedures</u>	<u>Y</u>	
<u>8-28-602</u>	<u>Determination of Control Efficiency</u>	<u>Y</u>	

Table IV - ~~A0~~Y
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	<u>General Provisions and Definitions (5/2/017/19/2006)</u>		
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	<u>General Provisions and Definitions (6/28/1999)</u>		
1-523	Parametric Monitoring and Recordkeeping Procedures	Y ⁺ Y	
1-523.3	Reports of Violations	Y ⁺ Y	
BAAQMD	<u>Particulate Matter, General Requirements and Visible</u>		

IV. Source Specific Applicable Requirements

**Table IV - ~~AO~~Y
 Source-specific Applicable Requirements
 A4- Thermal Oxidizer**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Regulation 6, Rule 1	Emissions (12/19/99/12/5/2007)		
6- 1 -301	Ringelmann #1 Limitation	N Y	
6- 1 -305	Visible Particles	N Y	
6- 1 -310	Particulate Weight Limitation	N Y	
6- 1 -401	Appearance of Emissions	N Y	
<u>6-1-601</u>	<u>Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions</u>	<u>N</u>	
SIP Regulation 6	<u>Particulate Matter and Visible Emissions (9/4/1998)</u>		
<u>6-301</u>	<u>Ringelmann #1 Limitation</u>	<u>Y</u>	
<u>6-305</u>	<u>Visible Particles</u>	<u>Y</u>	
<u>6-310</u>	<u>Particulate Weight Limitation</u>	<u>Y</u>	
<u>6-401</u>	<u>Appearance of Emissions</u>	<u>Y</u>	
<u>6-601</u>	<u>Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions</u>	<u>Y</u>	
BAAQMD Regulation 8, Rule 6	Organic Compounds-Organic Liquid Bulk Terminals and Bulk Plants (2/2/1994)		
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(e)	Standards : Closed vent systems and control devices ; enclosed combustion device requirements	Y	
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-	Standards : Closed vent systems and control devices ; inspection	Y	

IV. Source Specific Applicable Requirements

Table IV - ~~A0~~Y
Source-specific Applicable Requirements
A4- Thermal Oxidizer

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
10(f)(1)	requirements ; inspection requirements for hard piped closed vent systems		
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	
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	

IV. Source Specific Applicable Requirements

Table IV - ~~AO-Y~~
Source-specific Applicable Requirements
A4- Thermal Oxidizer

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

~~[†]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 - ~~AP-Z~~
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 (5/2/04/19/2006)		
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 (6/28/1999)		

IV. Source Specific Applicable Requirements

**Table IV - ~~AP-Z~~
 Source-specific Applicable Requirements
 A31, THERMAL OXIDIZER**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
1-523	Parametric Monitoring and Recordkeeping Procedures	Y ⁺ _Y	
1-523.3	Reports of Violations	Y ⁺ _Y	
BAAQMD Regulation 6, Rule 1	Particulate Matter, General Requirements and Visible Emissions (12/19/9912/5/2007)		
6-1-301	Ringelmann #1 Limitation	N _Y	
6-1-305	Visible Particles	N _Y	
6-1-310	Particulate Weight Limitation	N _Y	
6-1-401	Appearance of Emissions	N _Y	
<u>6-1-601</u>	<u>Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions</u>	<u>N</u>	
SIP Regulation 6	Particulate Matter and Visible Emissions (9/4/1998)		
<u>6-301</u>	<u>Ringelmann #1 Limitation</u>	<u>Y</u>	
<u>6-305</u>	<u>Visible Particles</u>	<u>Y</u>	
<u>6-310</u>	<u>Particulate Weight Limitation</u>	<u>Y</u>	
<u>6-401</u>	<u>Appearance of Emissions</u>	<u>Y</u>	
<u>6-601</u>	<u>Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions</u>	<u>Y</u>	
BAAQMD Regulation 8, Rule 5	Organic Compounds, Storage of Organic Liquids (10/18/2006)		
<u>8-5-118</u>	<u>Limited exemption, gas tight requirement</u>	<u>N</u>	
<u>8-5-306</u>	<u>Requirements for Approved Emission Control Systems</u>	<u>N</u>	
<u>8-5-306.1</u>	<u>Requirements for Approved Emission Control Systems; Abatement efficiency >= 95%</u>	<u>N</u>	
<u>8-5-404</u>	<u>Inspection, Abatement Efficiency Determination, and Source Test Reports</u>	<u>N</u>	
<u>8-5-502</u>	<u>Source test requirements: Approved Emission Control Systems</u>	<u>N</u>	
<u>8-5-502.1</u>	<u>Source test requirements: Approved Emission Control Systems for 8-5-306.1: Annual source tests</u>	<u>N</u>	
<u>8-5-603</u>	<u>Determination of abatement efficiency</u>	<u>N</u>	
BAAQMD SIP	Storage of Organic Liquids (06/05/200311/27/02)		

IV. Source Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Regulation 8, Rule 5			
8-5-306	Requirements for Approved Emission Control Systems; gas tight and >= 95% abatement	Y	
8-5-503	Portable hydrocarbon detector for 8-5-306	Y	
8-5-603	Determination of Emissions	Y	
8-5-603.1	Determination of Emissions for 8-5-306	Y	
8-5-605	Gas tight determination for 8-5-306	Y	
BAAQMD Regulation 8, Rule 6	Organic Liquid Bulk Terminals And Bulk Plants (2/2/1994)		
8-6-301	Bulk Terminal Limitations	Y	
BAAQMD Regulation 8, Rule 8	Wastewater Collection and Separation Systems (9/15/2004)		
8-8-301	Wastewater separators designed rated capacity greater than 760 liters per day (200 gal/day) and smaller than 18.9 liters per second (300 gal/min)	Y	
8-8-301.3	Wastewater separators > 200 gpd and < 300 gpm : An organic compound vapor recovery system with a combined collection and destruction efficiency of at least 95 percent by weight.	N	
8-8-305	Oil-Water Separator and/or Air Flotation Unit Slop Oil Vessels	Y	
8-8-305.2	Oil-Water Separator and/or Air Flotation Unit Slop Oil Vessels; An organic compound vapor recovery system with a combined collection and destruction efficiency of at least 70 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	Wastewater separators > 200 gpd and < 300 gpm : An organic compound vapor recovery system with a combined collection and destruction efficiency of at least 95 percent by weight.	Y	
8-8-305.2	Oil-Water Separator and/or Air Flotation Unit Slop Oil Vessels; An organic compound vapor recovery system with a combined	Y	

IV. Source Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	<u>collection and destruction efficiency of at least 70 percent by weight</u>		
8-8-602	Determination of Emissions	Y	
<u>BAAQMD Regulation 10</u>	<u>New Source Performance Standards Incorporation by Reference (2/16/00)</u>		
<u>10-17</u>	40 CFR 40 CFR, Part 60 Subpart Kb	<u>Y</u>	
<u>10-51</u>	40 CFR 40 CFR, Part 60 Subpart UU	<u>Y</u>	
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 40 CFR, Part 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) Requirements for Control Devices		
60.112b(a)(3)(ii)	Standard for Volatile Organic Compounds (VOC); Closed vent system and control device \geq 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	

IV. Source Specific Applicable Requirements

**Table IV - ~~AP-Z~~
 Source-specific Applicable Requirements
 A31, THERMAL OXIDIZER**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
40 CFR 40 CFR, Part 60, Subpart UU	Standards of Performance for Asphalt Processing and Asphalt Roofing Manufacture (10/17/00)		
60.470(a)	Applicability and designation of affected facilities; asphalt storage tanks	Y	
60.470(b)	Applicability and designation of affected facilities; asphalt storage tanks	Y	
60.472(c)	Asphalt plant tank opacity standard	Y	
60.473(c)	Parametric monitoring	Y	
60.473(d)	Exemption from quarterly reports	Y	
60.474(c)(5)	Test methods and procedures; use Method 9 and 60.11 to determine opacity	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 \geq 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(e)	Standards: Closed-Vent Systems and Control Devices; Control Device Performance Demonstration	Y	
61.349(e)(2)	Performance tests	Y	

IV. Source Specific Applicable Requirements

**Table IV - ~~AP-Z~~
 Source-specific Applicable Requirements
 A31, THERMAL OXIDIZER**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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(e)	Y	
61.354(e)	Monitoring of Operations; Closed-vent systems and control devices- -Continuously monitor control device operation	Y	
61.354(e)(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(e)	Y	
61.357(d)(7)(iv)(A)	Reporting Requirements: Quarterly report – Thermal vapor incinerator	Y	
BAAQMD Condition #1240			

IV. Source Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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	Control and Destruction Efficiency Requirement for S3, S5, S6, S7, S8, S13, S31, S37, S38, S41, S51, S52, S53, S54, S59, S60, S61, S62, S63, S65, S66, S70 (Regulation 8-5-306, NSPS, Cumulative Increase, BACT, Toxics)	Y	
Part II.32b	Requirement for control of S59 (8-5-306, NSPS, cumulative increase, toxics)	Y	
Part II.32e	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 and Destruction Efficiency 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	

IV. Source Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part II.58b	Continuous Temperature Monitoring (40 CFR 40 CFR, Part 60.113b(c)(1)(ii) and 60.113b(c)(2); 40 CFR 40 CFR, Part 60.473(c); 40 CFR 61.354(e)(1), 61.354(e)(4) , Regulation 2-6-409.2.2, 2-6-414)	Y	
Part II.58c	Allowable temperature excursions (2-1-403)	Y	
Part II.58d	Recordkeeping for allowable temperature excursions (2-1-403)	Y	
Part II.58e	Temperature excursion only applies when below limit (2-1-403)	Y	
Part II.58f	Operational conditions for temperature excursions (2-1-403)	Y	
Part II.66	Control Requirement for S31 (Cumulative Increase)	Y	
Part II.67	Control requirement for S54 (Cumulative Increase)	Y	
Part II.69	Destruction Efficiency Requirement for S31 (Cumulative Increase, BACT)	Y	
Part II.70	Destruction Efficiency Requirement for S54 (Cumulative Increase, BACT)	Y	
Part II.85	Vapor recovery and control requirement for S66 (BACT, cumulative increase, contemporaneous emission reductions)	Y	
Part II.86	Fugitive emissions at vapor recovery equipment for S66 (BACT)	Y	

[†]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 - AQAA
 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, Rule 1	Particulate Matter, <u>General Requirements and Visible Emissions</u> (12/19/9012/5/2007)		
6-1-303	Ringelmann #2 Limitation	<u>N</u>	
6-1-303.1	Standby sources of power	<u>N</u>	
6-1-305	Visible Particles	<u>N</u>	
6-1-310	Particulate Weight Limitation	<u>N</u>	
6-1-401	Appearance of Emissions	<u>N</u>	
6-1-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions	<u>N</u>	
<u>SIP Regulation 6</u>	<u>Particulate Matter and Visible Emissions (9/4/1998)</u>		
<u>6-303</u>	<u>Ringelmann #2 Limitation</u>	<u>Y</u>	
<u>6-303.1</u>	<u>Standby sources of power</u>	<u>Y</u>	
<u>6-305</u>	<u>Visible Particles</u>	<u>Y</u>	
<u>6-310</u>	<u>Particulate Weight Limitation</u>	<u>Y</u>	
<u>6-401</u>	<u>Appearance of Emissions</u>	<u>Y</u>	
<u>6-601</u>	<u>Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions</u>	<u>Y</u>	
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, NOXNO_x and CO from Stationary IC Engines (08/01/200107/25/2007)		
9-8-110.4	Exemptions: Emergency Standby Engines	Y	
9-8-330	Emergency Standby Engines, Hours of Operation	N	
<u>9-8-330.1</u>	<u>Emergency Standby Engines, Hours of Operation</u>	<u>N</u>	
<u>9-8-330.2</u>	<u>Emergency Standby Engines, Hours of Operation</u>	<u>N</u>	
<u>9-8-330.3</u>	<u>Emergency Standby Engines, Hours of Operation</u>	<u>N</u>	<u>1/1/2012</u>
9-8-530	Emergency Standby Engines, Monitoring and Recordkeeping	N	
<u>9-8-530.1</u>	<u>Hours of operation (total)</u>	<u>N</u>	
<u>9-8-530.2</u>	<u>Hours of operation (emergency)</u>	<u>N</u>	

IV. Source Specific Applicable Requirements

**Table IV - AQAA
 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
9-8-530.3	Nature of emergency condition	<u>N</u>	
CCR, Title 17, Section 93115	ATCM for Stationary Compression Ignition Engines		
93115.5	Fuel and Fuel Additive Requirements for New and In-Use Stationary CI Engines That Have a Rated Brake Horsepower of Greater than 50 bhp	<u>N</u>	
93115.5(b)	Fuel requirements for in-sue emergency standby stationary diesel-fueled CI engines	<u>N</u>	
93115.5(b)(1)	Must use CARB Diesel Fuel	<u>N</u>	
93115.6	ATCM for Stationary CI Engines – Emergency Standby Diesel-Fueled CI Engine (>50 bhp) Operating Requirements and Emission Standards	<u>N</u>	
93115.6(b)	In-Use Emergency Standby Diesel-Fueled CI Engine (> 50 bhp) Operating Requirements and Emission Standards	<u>N</u>	
93115.6(b)(3)	Emission and operation standards	<u>N</u>	
93115.6(b)(3)(A)	Diesel PM Standard and Hours of Operation Limitations	<u>N</u>	
93115.6(b)(3)(A)(1)	General Requirements	<u>N</u>	
93115.6(b)(3)(A)(2)(b)	Operating for maintenance and testing limited to 50 hrs/year when PM emitted at a rate < 0.15 g/bhp-hr, except as provided in 93115.6(b)(3)(A)(2), excluding operating for emergency use and emissions testing	<u>N</u>	
93115.6(b)(3)(A)(2)(b)	Operation for maintenance and testing allowed to be 50 hrs/year when PM emitted at a rate < 0.15 g/bhp-hr	<u>N</u>	
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	

IV. Source Specific Applicable Requirements

Table IV - ~~AQAA~~
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
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			
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", CA Code of Regulations, Title 17, Section 93115.6(b)(3)(A)(2)(b) "Stationary Diesel Engine ATCM" section 93115, title 17, CA Code of Regulations, subsection (e)(2)(A)3)	Y	
Part 2	Equipment Requirements (Basis: BAAQMD Regulation 9-8-530, "Stationary Diesel Engine ATCM", CA Code of Regulations, Title 17, Section 93115.10(e)(1) "Stationary Diesel Engine ATCM" section 93115, title 17, CA Code of Regulations)	Y	
Part 3	Recordkeeping ((Basis: BAAQMD Regulation 9-8-530, 2-6-501, and "Stationary Diesel Engine ATCM", CA Code of Regulations, Title 17, Section 93115.10(g) "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.

Pursuant to permit application # 19193 (February, 2009), process offgas from S18 Crude Unit will be routed from the S19 Vacuum Heater to the refinery fuel gas recovery system, S9, Facility B2626.

Pursuant to permit application #19384 (February 2009), if A31 and the vapor recovery blowers are inoperative, emissions from sources abated by A31 will be contained in a closed vent system, or vented to S24 as a backup until A31 is operating. Temperature excursion language is defined as occurring only when on or more vapor recovery system blower is operating in organic vapor service. Pressure monitoring of the vapor recovery system is required whenever a blower is not operating to verify compliance with closed vent system requirements.

I. ASPHALT PLANT CONDITIONS

S18 Crude Unit with or without Vacuum Distillation Column vented to and abated by S19 Vacuum H-1

VI. Permit Conditions

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.a 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). This condition will be deleted upon startup of the atmospheric PRD removal project (A/N 19193).
- 3.b Upon startup of the atmospheric PRD removal project (A/N 19193), the owner/operator of S-18 Crude Unit shall vent its emissions to the refinery fuel gas recovery system S-9 at all times. (Cumulative increase, toxics)
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/or 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

VI. Permit Conditions

MMbtu/hr. (cumulative increase)

5b. CO emissions in the exhaust of S19, Vacuum Heater, shall not exceed 50 ppm_{dv} 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, Emergency 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)

8. Vacuum Heater (S19) shall be equipped with a John Zink LoNO_x Burner. Average NO_x 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.a 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 40 CFR, Part~~ 60 Subpart J. (NSPS) (Compliance with this condition will not necessarily ensure compliance with part I.12 of this condition.) This condition will be deleted upon startup of the atmospheric PRD removal project (A/N 19193).

11.b Upon startup of the atmospheric PRD removal project (A/N 19193), contingent on EPA's approval of ~~40 CFR 40 CFR, Part~~ 60, Subpart Ja – Standards of Performance for Petroleum Refineries, the owner/operator shall submit a permit application the District for NO_x and flaring applicability and revise the Title V permit if necessary. (Regulation 2-1-403).

12. The H₂S content in the asphalt plant's refinery process gas prior to

VI. Permit Conditions

mixing with another gaseous fluid shall not exceed 10 ppmv, dry, averaged over any consecutive 24-hour period. (BACT). This condition will be deleted upon startup of the atmospheric PRD removal project (A/N 19193) because the vacuum exhaust (asphalt plant refinery process gas) will be routed from S19, Vacuum Heater to refinery fuel gas recovery system, S9, Facility B2626.

13. The permittee shall operate District approved H₂S monitoring and recording instruments which, as set forth in ~~40-CFR40 CFR, Part 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-CFR40 CFR, Part 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). This condition will be deleted upon startup of the atmospheric PRD removal project (A/N 19193) because vacuum exhaust (asphalt plant refinery process gas) will be routed from S19, Vacuum Heater to refinery fuel gas recovery system, S9, Facility B2626.

14. Total asphalt plant emissions shall not exceed the limits listed below:

a. Non-Methane Hydrocarbons.....	42.705 tons/yr
b. Sulfur Dioxide, SO ₂	28.049 tons/yr
c. Nitrogen Oxides, as NO ₂	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 NO_x limit in part I.8 of this condition, and the CO limit in parts I.5b and I.5c of this condition. The source test shall be performed at 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.1 The permit holder shall perform a source test at S19, Vacuum Heater, every 24 months to determine compliance with the requirement for

VI. Permit Conditions

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). This condition will be deleted upon startup of the atmospheric PRD removal project (A/N 19193) because vacuum exhaust (asphalt plant refinery process gas) will be routed from S19, Vacuum Heater to refinery fuel gas recovery system, S9, Facility B2626.

16b.2 Upon startup of the atmospheric PRD removal project (A/N 19193), the owner/operator of S19 shall perform the initial source test to demonstrate compliance with Condition 1240.I.5 and 1240.I.8. The initial source test shall be performed at a minimum of 85% of the maximum capacity of 40 MMbtu/hr (34 to 40 MMbtu/hr). The owner/operator shall also perform subsequent tests to re-establish the NOx emission factor of Condition # 21233, Part 5A following the test procedures specified in Condition # 21233, Part 4. 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, ACP)

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, S5-S9, S13, S37, S38, S51-S53, S59-S63, S65, S70.

VI. Permit Conditions

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~~~~S27~~, S41, S66, S67. The permit holder may use maximum potential to emit in place of measured throughput.

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

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

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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)

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)

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20. Deleted Application 9297

II. TANKAGE AND LOADING RACK CONDITIONS:

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). This condition will be deleted upon startup of the atmospheric PRD removal project (A/N 19193). The POC destruction efficiency requirement is no longer applicable since exhaust from S18 Crude Unit will be routed from the S19, Vacuum Heater to the refinery fuel gas recovery system, S9, Facility B2626.

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. ~~Deleted. [Basis: S25 is permanently removed from service] 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

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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

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 [2-5-1 2-1-316](#) is emitted from S9 in an amount in excess of the toxin's respective trigger level set forth in Table [2-5-12-1-316](#). (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-500 and A31 Thermal Oxidizer H-4607 ~~or S24 Hot Oil Heater H-4603~~. If A31 and the vapor recovery blower are inoperative, S13 emissions shall be contained in a District approved

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closed vent system as specified in Parts 94 and 96. Alternately, S13 emissions shall be vented to source S24, Hot Oil Heater (H-4603), as a backup until A31 is operating. (cumulative increase)

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-4607 ~~or (either) S24 Hot Oil Heater H-4603~~. If A31 and the vapor recovery blower are inoperative, S59 emissions shall be contained in a District approved closed vent system as specified in Parts 9493 and 96. Alternately, S59 emissions shall be vented to S24, Hot Oil Heater (H-4603), as a backup until A31 is operating. (cumulative increase)

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-4607 ~~or S24 Hot Oil Furnace H-4603~~. If A31 and the vapor recovery blower are inoperative, S69 emissions shall be contained in a District approved closed vent system as specified in Parts 94 and 96. Alternately, S63 emissions shall be vented to S24, Hot Oil Heater (H-4603), as a backup until A31 is operating. (cumulative increase)

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 ~~2-5-1 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 ~~2-5-12-1-316~~.
- (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.

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(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 emissions shall be abated by (either) A3 or A20 Mist Eliminator F-10 or F-500 and The owner/operator shall maintain and operate A31 Thermal Oxidizer H-4607 or S24 Hot Oil Heater H-4603; with an overall collection and destruction efficiency of at least 98.5%, by weight whenever petroleum and VOC materials are stored and/or transferred at S3, S5, S6, S7, S8, S13, S31, S37, S38, S41, S51, S52, S53, S54, S59, S60, S61, S62, S63, S65, S66 and S70. (Regulation 8-5-306, NSPS, and cumulative increase, BACT, toxics)~~

32b. ~~Deleted. Combined with Condition 1240.II.Part 32a~~
~~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-4603 or A31 Thermal Oxidizer H-4607; with an overall collection and destruction efficiency of at least 98.5%, by weight, as measured across the combustion device (S24 or A31). (Regulation 8-5-306, NSPS, and cumulative increase, toxics)~~

32c. ~~Deleted. Combined with Condition 1240.II.Part 32a~~
~~At all times that S63 stores organic materials with vapor pressure greater than 0.5 psia For S63, at all times that petroleum materials/VOC are in this equipment, S63 shall be operated with a District approved vapor recovery system with emissions ducted to and abated by (either) A3 or A20 Mist Eliminator F-10 or F-500 and A31 Thermal Oxidizer H-4607 or S24 Hot Oil Heater H-4603; with a destruction efficiency of at least 98.5%, by weight, as measured across the combustion device (S24 or A31). Alternately, emissions shall be contained in a District approved vapor recovery system when the vapor recovery blower is not operating. (cumulative increase, NSPS, Regulation 8-5-306, offsets, BACT)~~

32d. ~~Deleted. Redundant with Regulation 8-18. 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 40 CFR, Part 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,

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and S63 using EPA Method 21 on a semi-annual basis. (Regulation 2-6-503)

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

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

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

35. Deleted May, 2001

36. Deleted May, 2001

37. Deleted May, 2001

38. Deleted May, 2001

39. Deleted May, 2001

S3 Fixed Roof Storage Tank, TK-1C, Storing: Heavy Vacuum Gas Oil, Capacity: 3,415,000 Gallons operated with a District approved vapor recovery system and abated by (either) A3 or A20 Mist Eliminator F-10 or F-500 ~~and S24 Hot Oil Heater H-4603 or~~ A31 Thermal Oxidizer H-4607. If A31 and the vapor recovery blower are inoperative, S3 emissions shall be contained in a District approved closed vent system as specified in Parts 94 and 96. Alternately, S3 emissions shall be vented to source S24, Hot Oil Heater (H-4603), as a backup until A31 is operating. (cumulative increase)

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

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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 ~~2-5-1 2-1-316~~ is emitted from S3 in an amount in excess of the toxin's respective trigger level set forth in Table ~~2-5-12-1-316~~. (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. Deleted. Combined with Part 32a. At all times that S3 stores organic materials 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-4607 or S24 Hot Oil Heater H-4603; 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. Deleted. Redundant with Regulation 8-18. The District approved vapor recovery system operated in conjunction with S3 shall operate under negative pressure and ensure that S3, including the District approved vapor recovery system, has no detectable fugitive organic emissions in excess of 100 ppmv, measured as total organic compounds. The vapor recovery system shall be monitored in accordance with BAAQMD Regulation 8, Rule 18. (BACT, cumulative increase, offsets)~~

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

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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-4607. If A31 and the vapor recovery blower are inoperative, S5 emissions shall be contained in a District approved closed vent system as specified in Parts 9493 and 96. Alternately, S5 emissions shall be vented to source S24, Hot Oil Heater (H-4603), as a backup until A31 is operating. (cumulative increase) or S24 Hot Oil Furnace H-4603

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-4607. If A31 and the vapor recovery blower are inoperative, S6 emissions shall be contained in a District approved closed vent system as specified in Parts 9493 and 96. Alternately, S6 emissions shall be vented to source S24, Hot Oil Heater (H-4603), as a backup until A31 is operating. (cumulative increase) or S24 Hot Oil Furnace H-4603

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-4607. If A31 and the vapor recovery blower are inoperative, S7 emissions shall be contained in a District approved closed vent system as specified in Parts 9493 and 96. Alternately, S7 emissions shall be vented to source S24, Hot Oil Heater (H-4603), as a backup until A31 is operating. (cumulative increase) or S24 Hot Oil Furnace H-4603

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-4607. If A31 and the vapor recovery blower are inoperative, S8 emissions shall be contained in a District approved closed vent system as specified in Parts 9493 and 96. Alternately, S8 emissions shall be vented to source S24, Hot Oil Heater (H-4603), as a backup until A31 is operating. (cumulative increase) or S24 Hot Oil Furnace H-4603

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-4607. If A31 and the vapor recovery blower are inoperative, S37 emissions shall be contained in a District approved closed vent system as specified in Parts 94 and 96. Alternately, S37 emissions shall be vented to source S24, Hot Oil Heater (H-4603), as a backup until A31 is operating. (cumulative increase) or S24 Hot Oil Furnace H-4603

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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-4607. If A31 and the vapor recovery blower are
inoperative, S38 emissions shall be contained in a District approved closed
vent system as specified in Parts 94 and 96. Alternately, S38 emissions
shall be vented to source S24, Hot Oil Heater (H-4603), as a backup until
A31 is operating. (cumulative increase)-or S24 Hot Oil Furnace H-4603

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-4607. If A31 and the vapor recovery blower are
inoperative, S51 emissions shall be contained in a District approved closed
vent system as specified in Parts 94 and 96. Alternately, S51 emissions
shall be vented to source S24, Hot Oil Heater (H-4603), as a backup until
A31 is operating. (cumulative increase)-or S24 Hot Oil Furnace H-4603

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-4607. If A31 and the vapor recovery blower are
inoperative, S52 emissions shall be contained in a District approved closed
vent system as specified in Parts 94 and 96. Alternately, S52 emissions
shall be vented to source S24, Hot Oil Heater (H-4603), as a backup until
A31 is operating. (cumulative increase)-or S24 Hot Oil Furnace H-4603

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-4607. If A31 and the vapor recovery blower are
inoperative, S53 emissions shall be contained in a District approved closed
vent system as specified in Parts 94 and 96. Alternately, S53 emissions
shall be vented to source S24, Hot Oil Heater (H-4603), as a backup until
A31 is operating. (cumulative increase)-or S24 Hot Oil Furnace H-4603

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-4603~~
or A31 Thermal Oxidizer H-4607. If A31 and the vapor recovery blower
are inoperative, S60 emissions shall be contained in a District approved
closed vent system as specified in Parts 94 and 96. Alternately, S60
emissions shall be vented to source S24, Hot Oil Heater (H-4603), as a
backup until A31 is operating. (cumulative increase)

S61 Asphalt Storage Tank, Fixed Roof, TK-30A, Capacity:

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995,400 Gallons abated by A3 or A20 Mist Eliminator F-10 or F-500 and A31 Thermal Oxidizer H-4607. If A31 and the vapor recovery blower are inoperative, S61 emissions shall be contained in a District approved closed vent system as specified in Parts 94 and 96. Alternately, S61 emissions shall be vented to source S24, Hot Oil Heater (H-4603), as a backup until A31 is operating. (cumulative increase)-or S24 Hot Oil Furnace H-4693

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-4607. If A31 and the vapor recovery blower are inoperative, S62 emissions shall be contained in a District approved closed vent system as specified in Parts 94 and 96. Alternately, S62 emissions shall be vented to source S24, Hot Oil Heater (H-4603), as a backup until A31 is operating. (cumulative increase)-or S24 Hot Oil Furnace H-4603

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-4607. If A31 and the vapor recovery blower are inoperative, S65 emissions shall be contained in a District approved closed vent system as specified in Parts 94 and 96. Alternately, S65 emissions shall be vented to source S24, Hot Oil Heater (H-4603), as a backup until A31 is operating. (cumulative increase)-or S24 Hot Oil Furnace H-4603

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-4607. If A31 and the vapor recovery blower are inoperative, S70 emissions shall be contained in a District approved closed vent system as specified in Parts 94 and 96. Alternately, S70 emissions shall be vented to source S24, Hot Oil Heater (H-4603), as a backup until A31 is operating. (cumulative increase)-or S24 Hot Oil Furnace H-4603

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)

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

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

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

53. ~~Deleted. Redundant with Regulation 8-18 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. ~~Deleted. Combined with Part 32a. Whenever petroleum materials or VOC are stored at S5, S6, S7, or 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 4603 or A31 Thermal Oxidizer H 4607; with a destruction efficiency of at least 98.5%, by weight, as measured across the combustion device (S24 or A31). (cumulative increase, offsets)~~

56. ~~Deleted. Combined with Part 32a. Whenever petroleum materials or VOC are stored at S37, S38, S51, S52, S53, S60, and S65 and S70, 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 4607 or S24 Hot Oil Heater H 4603; with a destruction efficiency of at least 98.5%, by weight, as measured across the combustion device (S24 or A31). (cumulative increase, offsets)~~

57. ~~Deleted. Combined with Part 32a. 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~~

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~~abated by (either) A3 or A20 Mist Eliminator F-10 or F-500 and A31 Thermal Oxidizer H-4607 or S24 Hot Oil Heater H-4603; with a destruction efficiency of at least 98.5%, by weight, as measured across the combustion device (S24 or A31). (cumulative increase, offsets, BACT)~~

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

58a. Deleted Application 17468.

58b. The Owner/Operator shall install and properly maintain continuous temperature monitoring and recording devices for A31 ([H-4607](#)), Thermal Oxidizer and S24 ([H-4603](#)), Hot Oil Heater. The Owner/Operator shall operate A-31 with a minimum combustion zone temperature of 1400°F to maintain a 98.5% destruction efficiency, [whenever emissions are vented to it by one or more operational vapor recovery blowers in organic vapor service](#). The Owner/Operator shall operate S-24 at a minimum operating temperature of 1115°F to maintain a 98.5% destruction efficiency ~~when S-24 is operated in abatement service~~ [whenever emissions are vented to it by one or more vapor recovery blowers in organic vapor service](#). (Source Test Requirements demonstrating compliance with the 98.5% abatement destruction efficiency and the Regulation 6-~~1~~-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~~ [established minimum operating temperature limits](#)) ([Application 19631/19643 \(2009\) removed 40-CFR40 CFR, Part 61 Subpart FF citations from basis. Facility has no sources controlled by A31 or S24 for compliance with 40-CFR40 CFR, Part 61 Subpart FF.](#)) (Basis: [40-CFR40 CFR, Part 60.113b\(c\)\(1\)\(ii\)](#) and [60.113b\(c\)\(2\)](#); [40-CFR40 CFR, Part 60.473c](#); [40-CFR 61.354\(e\)\(1\)](#); [40-CFR 61.354\(e\)\(4\)](#), Regulation 2-6-409.2.2, 2-6-414)

[58c. The temperature limit in Part II.58b for A-31 shall not apply during an "Allowable Temperature Excursion", provided that the temperature controller setpoint remains at a minimum of 1,400°F. An Allowable Temperature Excursion is one of the following:](#)

[a. A temperature excursion not exceeding 20-°degrees-F; or](#)

VI. Permit Conditions

- 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)

58d. 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)

58e. For the purposes of Parts II.58c and II.58d, a temperature excursion refers only to temperatures below the limit (basis: Regulation 2-1-403)

58f. For the purposes of parts II.58c and II.58d, a temperature excursion occurs only when one or more vapor recovery system blowers is operating in organic vapor service, and is vented to A-31 (H-4607). When a blower is used to start up A-31, the blower is in "fresh air" service and not in organic vapor service. (basis: Regulation 2-1-403)

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)

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

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

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

~~61a. The true vapor pressure of the materials transferred at S14 shall not 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-4606

62. S15 shall be operated with a submerged fill pipe and be abated by A4 Thermal Oxidizer H-4606 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)

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63. S15 emissions shall be captured by a District approved vapor recovery system and shall be abated by A4 Thermal Oxidizer H-4606 with a destruction efficiency of at least 98.5%, by weight, as measured across A4.
(cumulative increase, offsets, BACT, toxics)

64a. The true vapor pressure of the materials transferred at and/or sampled from S15 shall not exceed 1.5 psia. All materials loaded at S15 must be transferred from Tanks S13, S59, or S63. (cumulative increase, offsets, toxics)

64b. The total combined throughput of Kerosene and Light Vacuum Gas Oil to S15, shall not exceed 283,011,000 gallons (1,483,000 barrels) during any consecutive 12-months. (cumulative increase, offsets, toxics)

S17 Asphalt Loading Racks abated by A2 Mist Eliminator F-9 and A4 Thermal Oxidizer H-4606

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-4607. If A31 and the vapor recovery blower are inoperative, S31 emissions shall be contained in a District approved closed vent system as specified in Parts 94 and 96. Alternately, S31 emissions shall be vented to source S24, Hot Oil Heater (H-4603), as a backup until A31 is operating. (cumulative increase) ~~or S24 Hot Oil Heater H-4603~~

S54 Asphalt Loading Rack abated by (either) A3 or A20 Mist Eliminator F-10 or F-500 and A31 Thermal Oxidizer H-4607. If A31 and the vapor recovery blower are inoperative, S54 emissions shall be contained in a District approved closed vent system as specified in Parts 94 and 96. Alternately, S54 emissions shall be vented to source S24, Hot Oil Heater (H-4603), as a backup until A31 is operating. (cumulative increase) ~~or S24 Hot Oil Heater H-4603~~

65. S17 shall be abated by A2 Mist Eliminator F-9 and A4 Thermal Oxidizer H-4606 at all times that materials are transferred at S17.
(cumulative increase)

66. ~~[Deleted. Combined with part 32a]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. ~~[Deleted. Combined with part 32a]S54 shall be abated by (either) A3~~

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~~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-4606 with a destruction efficiency of at least 98.5%, by weight, as measured across A4. (cumulative increase, BACT)

~~69. Deleted. Combined with Part 32a. Emissions from S31 shall be captured by a District approved vapor recovery system and shall be abated by A6 Mist Eliminator F-3 and A31 Thermal Oxidizer H-4607 or S24 Hot Oil Heater H-4603 with a destruction efficiency of at least 98.5%, by weight, as measured across A31 or S24. (cumulative increase, BACT)~~

~~70. Deleted. Combined with Part 32a. 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-4607 or S24 Hot Oil Heater H-4603 with a destruction efficiency of at least 98.5%, by weight, as measured across that combustion device(s) abating S54 (A31 and/or S24). (cumulative increase, BACT)~~

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

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

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

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

76. Deleted May, 2001.

77. Deleted May, 2001.

78. Deleted May, 2001.

79. Deleted May, 2001.

80. Deleted May, 2001.

81. Deleted May, 2001.

82. Deleted May, 2001.

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-4607. If A31 and the vapor recovery blower are inoperative, S66 emissions shall be contained in a District approved closed vent system as specified in Parts 93 and 96. Alternately, S66 emissions shall be vented to source S24, Hot Oil Heater (H-4603), as a backup until A31 is operating. (cumulative increase) or S24 Hot Oil Furnace H-4603

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)

VI. Permit Conditions

84. The cover and each access opening at S66 shall be equipped with a gasketed, 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. Deleted. Combined with Part 32a. 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-4607 or S24 Hot Oil Heater H-4603; 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. Deleted. Redundant with Regulation 8-18. The District approved vapor recovery system operated in conjunction with S66 shall operate under negative pressure. Deleted remainder of condition. Equipment operating under negative pressure is exempt from Regulation 8, Rule 18. and ensure that S66, including the District approved vapor recovery system, has no detectable fugitive organic emissions in excess of 100 ppmv, measured as total organic compounds. The vapor recovery system shall be monitored in accordance with BAAQMD Regulation 8, Rule 18. (basis: BACT, cumulative increase, contemporaneous emission reductions)~~

87. Not less frequently than on a monthly basis, the permittee shall measure and record the volume (in gallons) of oil (slop oil) product recovered at S66 and not less frequently than on a monthly basis, the permittee shall measure and record the volume (in gallons) of waste water product recovered at S66 (waste water discharge to City of Benicia). The sum of the volume of slop oil product and the volume of wastewater product shall be 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

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

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

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

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

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

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

93. The following sources, which shall be operated with a District approved closed vent system, are connected to vapor recovery collection header #1 and vapor recovery blower B-4608 or spare blower B-46501: S5, S6, S7, S8, S41, S25, S59, and S66. Emissions are contained in the closed vent collection header when the blower is not operating, as long as no P/V valve in the header is lifting. The pressure of each of the three headers at a representative location shall be monitored at least once every 8 hours, whenever the vapor recovery blower is not operating. If the manometer pressure of any header exceeds 0.5 ounces (0.87 inches of water column), A-31 or S-24 shall be restarted and emissions conveyed to it by the blower. (basis: cumulative increase)

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94. The following sources, which shall be operated with a District approved closed vent system, are connected to vapor recovery collection header #2 and vapor recovery blower B-46500 or spare blower B-46501: S3, S13, S31, S37, S38, S51, S52, S53, S54, S60, S61, S62, S63, S65, and S70. Emissions are contained in the closed vent collection header whenever a blower is not operating, as long as no P/V valve in the header is lifting. The pressure of the each of the three headers at a representative location shall be monitored at least once every 8 hours, whenever the vapor recovery blower is not operating. If the manometer pressure of any header exceeds 0.5 ounces (0.87 inches of water column), A-31 or S-24 shall be restarted and emissions conveyed to it by the blower. (basis: cumulative increase)

95. To determine compliance with Parts 93 and 94, the owner/operator shall maintain the following records and provide all of the data necessary to evaluate compliance with the above parts, including the following information:

- a. All manometer pressures of each of the three headers abated by A-31 or S-24
- b. Date and time when the blower is down and which abating equipment (A-31, closed vent system or S-24) is in operation
- c. Reason why the blower is down

All records shall be retained on-site for at least five years, from the date of entry, and made available for inspection by District staff upon request. These recordkeeping requirements shall not replace the recordkeeping requirements contained in any applicable District Regulations. (basis: cumulative Increase)

96. The owner/operator of S3, S5, S6, S7, S8, S12, S13, ~~S25~~, S26, S27, S28, S31, S37, S38, ~~S-39~~, ~~S40~~, S41, S51, S52, S53, S54, S59, S60, S61, S62, S63, S65, S66, S67 and S70 shall not use any P/V valve that leaks total organic compounds in excess of 500 ppmv when the vapor recovery blower is not operating. Any exceedance of this limit will result in a violation, except for P/V valve that is subject to Regulation 8-18 and is already on the non-repairable list. (basis: to allow the use of closed vent system in lieu of A-31 or S-24)

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)

VI. Permit Conditions

*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 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-[4603](#); 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)

VI. Permit Conditions

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 2-9-303.4.19, ~~Rule 10~~, Cumulative Increase)

Valero Refining Company (Plant # 12626)

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

Valero Asphalt Plant (Plant # ~~1A0901~~)

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

VI. Permit Conditions

- *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. ~~Deleted. Combined with Condition 1240, Part II.32a. Hot Oil Heater (S-24) or the Thermal Oxidizer (A-31) shall abate emissions from S-70 at all times that S-70 is in operation. (Basis: Regulation 2-6-503)~~
- *4. Visible dust and smoke emissions from S-69 and S-70 shall not result in fallout on adjacent property in such quantities so as to cause a public nuisance as described in Regulation 1-301 (Basis: Regulation 1)
- 5. 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.

VI. Permit Conditions

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 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)

VI. Permit Conditions

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

<u>S#</u>	<u>Description</u>	<u>NOx</u> <u>CEM</u>
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

<u>S#</u>	<u>Description</u>	<u>NOx</u> <u>CEM</u>
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

A. Compliance with the daily refinery wide average NOx emission limit, 0.033 lb

VI. Permit Conditions

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.

*4. The Owner/Operator shall establish the initial NOx box for each source subject to

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Part 3 by December 1, 2005. The NO_x 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 NO_x box is

A. Conduct District approved source tests for NO_x 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 O₂ at low-fire may be different than the minimum O₂ at high-fire. The same is true for the maximum O₂). The Owner/Operator shall also verify the accuracy of the O₂ monitor on an annual basis.

C. Determine the highest NO_x 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 NO_x emission factor than tested.

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

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

2) The NO_x Box for each emission factor can be represented either as a 4- or 5-sided polygon. The NO_x 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 NO_x box are listed in Part 5.

E. Upon establishment of each NO_x 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 NO_x Box ranges listed below at all times of operation. This part shall not apply to any source that has a properly operated and properly installed NO_x CEM. (Basis: Regulation 9-10-502)

A. NO_x Box ranges. The limits listed below are based on a calendar day

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averaging period for both firing rate and O2%.

Source No.	Emission Factor (lb/MMBtu)	Min O ₂ at Low Firing (O ₂ % , MMBtu/hr)	Max O ₂ at Low Firing (O ₂ % , MMBtu/hr)	Min O ₂ at High Firing (O ₂ % , MMBtu/hr)	Mid O ₂ at Mid/High Firing (polygon) (O ₂ % , MMBtu/hr)	Max O ₂ at High Firing (O ₂ % , 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.

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

VI. Permit Conditions

- 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 \leq 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 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

VI. Permit Conditions

emission factor retroactively to the date of the previous source test and provide sufficient NO_x 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 NO_x 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 NO_x 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 NO_x, 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

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.

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- 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 > NO_x 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 NO_x 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 NO_x 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: Regulation 9-10-504)

[Condition 22851](#)
[S-68, Diesel Firewater Pump Engine](#)

VI. Permit Conditions

1. Operating for reliability-related activities is limited to no more than 34 hours per year which is the number of hours necessary to comply with the testing requirements of the National Fire Protection Association (NFPA) 25. This emergency fire pump is subject to the current National Fire Protection Association (NFPA) 25 - "Standard for the Inspection, Testing and Maintenance of Water-Based Fire Protection Systems."
[Basis: "Stationary Diesel Engine ATCM", CA Code of Regulations, Title 17, Section 93115.3(n)]
2. The owner or operator shall operate each emergency standby engine only for the following purposes: to mitigate emergency conditions, for emission testing to demonstrate compliance with a District, state or Federal emission limit, or for reliability-related activities (maintenance and other testing, but excluding emission testing). Operating while mitigating emergency conditions or while emission testing to show compliance with District, state or Federal emission limits is not limited.
[Basis: BAAQMD Regulation 9-8-330]
3. The owner/operator shall operate each emergency standby engine only when a non-resettable totalizing meter (with a minimum display capability of 9,999 hours) that measures the hours of operation for the engine is installed, operated and properly maintained.
[Basis: BAAQMD Regulation 9-8-530, "Stationary Diesel Engine ATCM", CA Code of Regulations, Title 17, Section 93115.10(e)(1)]
4. Records: The owner/operator shall maintain the following monthly records in a District-approved log for at least 36 months from the date of entry (60 months if the facility has been issued a Title V Major Facility Review Permit or a Synthetic Minor Operating Permit). Log entries shall be retained on-site, either at a central location or at the engine's location, and made immediately available to the District staff upon request.
 - a. Hours of operation for reliability-related activities (maintenance and testing).
 - b. Hours of operation for emission testing to show compliance with emission limits.
 - c. Hours of operation (emergency).
 - d. For each emergency, the nature of the emergency condition.
 - e. Fuel usage for each engine(s).[Basis: BAAQMD Regulation 9-8-530, 2-6-501, and "Stationary Diesel Engine ATCM", CA Code of Regulations, Title 17, Section 93115.10(g)]

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,

VI. Permit Conditions

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", CA Code of Regulations, Title 17, Section 93115.6\(b\)\(3\)\(A\)\(2\)\(b\)](#)~~"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: [BAAQMD Regulation 9-8-530, "Stationary Diesel Engine ATCM", CA Code of Regulations, Title 17, Section 93115.10\(e\)\(1\)](#)~~"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: [BAAQMD Regulation 9-8-530, 2-6-501, and "Stationary Diesel Engine ATCM", CA Code of Regulations, Title 17, Section 93115.10\(g\)](#)~~"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.

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

Table VII – 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/NOx	BAAQMD Condition 1240, part I.14	Y		Emissions of NOx/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 ₂ S	BAAQMD 9-2-301	N		Limitations on H ₂ S ground level concentrations	BAAQMD 9-2-501	C	H ₂ S 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					BAAQMD Manual of 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	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
					1240, part I.13		
<u>H2S</u>	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 40 CFR, Part 61.342(e) (2)(i)	Y		Uncontrolled benzene < 6 megagrams/year	40 CFR 40 CFR, Part 61.357(d)(5)	P/A	Report
Benzene in Waste	40 CFR 40 CFR, Part 61.345(b)	Y		Visual inspection of container covers	40 CFR 40 CFR, Part 61.345(b)	P/Q	Visual Inspection
<u>Benzene</u>	40 CFR 40 CFR, Part 61.346(b) (3)	<u>Y</u>		<u>Benzene Waste NESHAP quarterly visual inspection for cracks in exposed sewer lines (applies to naphtha tank (S9) fill line and naphtha transfer line to Refinery)</u>	40 CFR 40 CFR, Part 61.346(b)(4) (iv)	<u>P/Q</u>	<u>Visual Inspection</u>
Vapor Pressure	BAAQMD Regulation 8-5-117 <u>SIP 8-5-117</u>	Y		True vapor pressure not greater than 0.5 psia if <u>tank</u> 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 <u>tank</u> operating in exempt service	BAAQMD Condition 20762, parts 1 and 3	P/E	Record or Laboratory Sample Test
Vapor Pressure	40 CFR 40 CFR, Part 60.110b(b)	Y		True vapor pressure not greater than 0.5 psia if <u>tank</u> operating in exempt service	None	N	N/A
VOC	BAAQMD Condition 1240, part	Y		Emissions of NMHC < 42.705 tons per year	BAAQMD Condition 1240, parts	P/SA	Calculations

VII. Applicable Limits and Compliance Monitoring Requirements

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency	Monitoring Type
	I.14				I.18a, and I.18j		
VOC	BAAQMD 8-5-328 SIP 8-5-328.1.2	Y		Tank degassing control device standard; includes 90% abatement efficiency requirement.	BAAQMD 8-5-502.2 SIP 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 8-8-504 8-8-603	Initial Inspection	Method 21
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 – 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
<u>VOC</u>	<u>BAAQMD 8-10-301</u>	<u>N</u>		<u>Abatement of emissions from process vessel depressurization is required until pressure is reduced to less than 1000 mm Hg</u>	<u>BAAQMD 8-10-501 and 8-10-503</u>	<u>P/E (prior to opening vessel and daily during time vessel is open to atmosphere)</u>	<u>Method 21 and records of measured hydrocarbon concentration emissions and mass emission calculations.</u>
<u>VOC</u>	<u>SIP 8-10-301</u>	<u>Y</u>		<u>Abatement of emissions from process vessel depressurization is required until pressure is reduced to less than 1000 mm Hg</u>	<u>SIP 8-10-401</u>	<u>P/E</u>	<u>Records of hydrocarbon concentration and emissions</u>
<u>VOC</u>	<u>BAAQMD 8-10-302</u>	<u>N</u>		<u>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.</u>	<u>BAAQMD 8-10-501 and 8-10-503</u>	<u>P/E (prior to opening vessel and daily during time vessel is open to atmosphere)</u>	<u>Method 21 and records of measured hydrocarbon concentration emissions and mass emission calculations.</u>

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)

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Table VII – CB
Applicable Limits and Compliance Monitoring Requirements
S3, GAS OIL STORAGE TANK, TK-4601C

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
<u>Vapor Pressure</u>	<u>BAAQMD</u> <u>8-5-117</u> <u>SIP 8-5-117</u>	<u>Y</u>		<u>True vapor pressure not greater than 0.5 psia if tank operating in exempt service</u>	<u>BAAQMD</u> <u>8-5-501.1</u>	<u>P/E</u>	<u>Record</u>
<u>Vapor Pressure</u>	<u>BAAQMD</u> <u>Condition</u> <u>20762, part</u> <u>1</u>	<u>Y</u>		<u>True vapor pressure not greater than 0.5 psia if tank operating in exempt service</u>	<u>BAAQMD</u> <u>Condition</u> <u>20762, parts</u> <u>1 and 3</u>	<u>P/E</u>	<u>Record or</u> <u>Laboratory</u> <u>Sample Test</u>
<u>VOC</u>	<u>BAAQMD</u> <u>8-5-328</u> <u>SIP</u> <u>8-5-328.1.2</u>	<u>Y</u>		<u>Tank degassing control device standard; includes 90% abatement efficiency requirement.</u>	<u>BAAQMD</u> <u>8-5-502.2</u> <u>SIP</u> <u>8-5-502</u>	<u>P/A</u>	<u>Source test</u>
VOC	<u>BAAQMD</u> Condition 1240, part I.14	Y		Emissions of NMHC < 42.705 tons per year	<u>BAAQMD</u> Condition 1240, parts I.18a, I.18c and I.18j	P/SA	Calculations
<u>VOC</u>	<u>BAAQMD</u> 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	<u>BAAQMD</u> Condition 1240, part II.46	P/M	Records
<u>VOC</u>	<u>BAAQMD</u> Condition 1240, part	Y		Vapor pressure shall not exceed 0.5 psia	<u>BAAQMD</u> Condition 1240, part	P/M	Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – ~~CB~~
Applicable Limits and Compliance Monitoring Requirements
S3, GAS OIL STORAGE TANK, TK-~~4601C~~

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
	II.42				II.46		
<u>VOC</u>	<u>Condition 1240, II.32a</u>	<u>Y</u>		<u>98.5% destruction of vapors whenever petroleum and VOC materials stored</u>	<u>Condition 1240, II.58b</u>	<u>C</u>	<u>Temperature CPMS</u>
<u>VOC</u>	<u>BAAQMD Condition 1240, part II.43</u>	<u>Y</u>		<u>98.5% control efficiency when vapor recovery blower is operating</u>	<u>BAAQMD Condition 1240, part II.58b</u>	<u>C</u>	<u>Temperature monitoring</u>
	<u>BAAQMD Condition 1240, part II.44</u>	<u>Y</u>		<u>Fugitive emissions at vapor recovery system (S24 or A31) shall not exceed 100 ppmv</u>	<u>BAAQMD 8-18-116</u>	<u>NA</u>	<u>None</u>
<u>VOC</u>	<u>Condition 1240, part II.94</u>	<u>Y</u>		<u>Contain emissions in closed vent system whenever the vapor recovery blower is not operating, as long as no P/V valve is lifting.</u>	<u>Condition 1240, part II.94</u>	<u>P/E (every 8 hours)</u>	<u>Pressure monitoring whenever vapor recovery blower is not operating</u>
					<u>Condition 1240, part II.95</u>	<u>P/E</u>	<u>Records</u>

Table VII - ~~DC~~
Applicable Limits and Compliance Monitoring Requirements
S5, S6, S7, S8, ~~S37, S38, S51, S52, S53, S60, S61, S62, S65~~
-ASPHALT STORAGE TANKS
~~S37, S38-RUBBERIZED ASPHALT SALES TANKS~~

VII. Applicable Limits and Compliance Monitoring Requirements

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-1-301	N		Ringelmann No. 1 for no more than 3 minutes in any hour	BAAQMD Condition #1240, II.58b	C	Temperature CPMS monitoring
<u>Opacity</u>	<u>SIP 6-301</u>	<u>Y</u>		<u>Ringelmann No. 1 for no more than 3 minutes in any hour</u>	<u>Condition 1240, II.58b</u>	<u>C</u>	<u>Temperature CPMS</u>
<u>Opacity</u>	40 CFR 40 CFR, Part 60.472(c)	Y		0 percent opacity except for one consecutive 15-min period in any 24-hr period for cleaning	40 CFR 40 CFR, Part 60.473(c) 60.474(c)(5) and BAAQMD Condition #1240, II.58b	C	Temperature CPMS monitoring
FP	BAAQMD 6-1-310	N		0.15 gr/dscf	BAAQMD Condition #1240, II.58b	C	Temperature CPMS monitoring
<u>FP</u>	<u>SIP 6-310</u>	<u>Y</u>		<u>0.15 gr/dscf</u>	<u>Condition 1240, II.58b</u>	<u>C</u>	<u>Temperature CPMS</u>
<u>Vapor Pressure</u>	<u>BAAQMD 8-5-117 SIP 8-5-117</u>	<u>Y</u>		<u>True vapor pressure not greater than 0.5 psia if tank operating in exempt service</u>	<u>BAAQMD 8-5-501.1</u>	<u>P/E</u>	<u>Record</u>
<u>Vapor Pressure</u>	<u>Condition 20762, part 1</u>	<u>Y</u>		<u>True vapor pressure not greater than 0.5 psia if tank operating in exempt service</u>	<u>Condition 20762, parts 1 and 3</u>	<u>P/E</u>	<u>Record or Laboratory Sample Test</u>
<u>VOC</u>	<u>BAAQMD 8-5-328 SIP 8-5-328.1.2</u>	<u>Y</u>		<u>Tank degassing control device standard; includes 90% abatement efficiency requirement.</u>	<u>BAAQMD 8-5-502.2 SIP 8-5-502</u>	<u>P/A</u>	<u>Source test</u>
VOC	BAAQMD 8-15-305	Y		None	BAAQMD 8-15-501	P/E	Records
<u>VOC</u>	BAAQMD Condition 1240, part I.14	Y		Emissions of NMHC < 42.705 tons per year	BAAQMD Condition 1240, parts I.18a, I.18c	P/SA	Calculations

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - ~~D-C~~
Applicable Limits and Compliance Monitoring Requirements
S5, S6, S7, S8, ~~S37, S38, S51, S52, S53, S60, S61, S62, S65~~
-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
					and I.18j		
<u>VOC</u> <u>S5, S6,</u> <u>S7, S8,</u> <u>S37, S38,</u> <u>S51, S52,</u> <u>S53, S60</u>	BAAQMD Condition #1240, II.50	Y		Vapor pressure may not exceed 0.5 psia	BAAQMD Condition #1240, II.58	P/M	Records
<u>VOC</u> <u>S61, S62</u>	BAAQMD Condition #1240, II.51	Y		<u>Vapor pressure may not exceed 0.49 psia</u>	BAAQMD Condition #1240, II.58	P/M	Records
<u>VOC</u> <u>S65</u>	BAAQMD Condition #1240, II.52	Y		<u>Vapor pressure may not exceed 0.49 psia</u>	BAAQMD Condition #1240, II.58	P/M	Records
<u>VOC</u>	<u>Condition</u> <u>1240,</u> <u>II.32a</u>	Y		<u>98.5% destruction of vapors whenever petroleum and VOC materials stored</u>	<u>Condition</u> <u>1240, part</u> <u>II.58b</u>	C	<u>Temperature</u> <u>CPMS</u>
	BAAQMD Condition #1240, II.55	Y		<u>98.5% destruction of vapors</u>	BAAQMD Condition #1240, part II.58b	C	<u>Temperature</u> <u>monitoring</u>
<u>VOC</u> <u>S5, S6,</u> <u>S7, S8</u>	<u>Condition</u> <u>1240, part</u> <u>II.93</u>			<u>Contain emissions in closed vent system whenever the vapor recovery blower is not operating, as long as no P/V valve is lifting.</u>	<u>Condition</u> <u>1240, part</u> <u>II.93</u>	<u>P/E</u> <u>(every 8</u> <u>hours)</u>	<u>Pressure</u> <u>monitoring</u> <u>whenever</u> <u>vapor recovery</u> <u>blower is not</u> <u>operating</u>
					<u>Condition</u> <u>1240, part</u> <u>II.95</u>	<u>P/E</u>	<u>Records</u>

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - ~~D-C~~
Applicable Limits and Compliance Monitoring Requirements
S5, S6, S7, S8, S37, S38, S51, S52, S53, S60, S61, S62, S65
-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
VOC S37, S38, S51, S52, S53, S60, S61, S62, S65	Condition 1240, part II.94	Y		Contain emissions in closed vent system whenever the vapor recovery blower is not operating, as long as no P/V valve is lifting.	Condition 1240, part II.94	P/E (every 8 hours)	Pressure monitoring whenever vapor recovery blower is not operating
					Condition 1240, part II.95	P/E	Records
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

Table VII – ~~ED~~
Applicable Limits and Compliance Monitoring Requirements
S9, NAPHTHA STORAGE TANK, TK-4607
INTERNAL FLOATING ROOF TANK

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

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – ED
Applicable Limits and Compliance Monitoring Requirements
S9, NAPHTHA STORAGE TANK, TK-4607
INTERNAL FLOATING ROOF TANK

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
	8-5-301						
VOC	BAAQMD 8-5-320 SIP 8-5-320	Y		Floating roof fitting closure standards; includes gasketed covers Complying tank fittings	BAAQMD 8-5-402.3 SIP 8-5-402.3	P/SA	Visual inspection
VOC	BAAQMD 8-5-305 , 8-5-321.1 , 8-5-322.1 SIP 8-5-305	Y		Visual inspection of outer most seal	BAAQMD 8-5-402.2 SIP 8-5-402.2	P/SA	Visual inspection
VOC	BAAQMD 8-5-320 8-5-321 8-5-321.1 8-5-322.1 SIP 8-5-320 8-5-321	N		Floating roof fittings, visual inspection of outer most seal	BAAQMD 8-5-402.2 8-5-402.3 8-5-411.3 (optional)	P/Q (optional)	Fitting inspection; Visual inspection
VOC	BAAQMD 8-5-321 SIP 8-5-321	Y		Primary rim-seal standards; includes gap criteria	BAAQMD 8-5-402.1	P/10 year intervals and every time a seal is replaced	Seal inspection
VOC	BAAQMD 8-5-322 SIP 8-5-322	Y		Secondary rim-seal standards; includes gap criteria	BAAQMD 8-5-402.1	P/10 year intervals and every time a seal is replaced	Seal 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	Measurement and visual inspection
	BAAQMD 8-5-320.3.1	Y		No visible gaps for inaccessible openings	BAAQMD 8-5-402.3	P/SA	Visual inspection

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – ED
Applicable Limits and Compliance Monitoring Requirements
S9, NAPHTHA STORAGE TANK, TK-4607
INTERNAL FLOATING ROOF TANK

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
	320.3.2						
	BAAQM D 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	Measurement and visual inspection
	BAAQM D 8-5- 320.4.3	Y		gaps between well and roof < 1.3 cm	BAAQMD 8-5-402.3	P/SA	Measurement and visual inspection
VOC	BAAQM D 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	BAAQM D 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	BAAQM D 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
	BAAQM D 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
	BAAQM D 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
	BAAQM D 8-5-	Y		Cumulative length of all primary seal gaps > 0.125 in. < 40% of	BAAQMD 8-5-402.1	P/every 10 years	Primary seal inspection

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – ED
Applicable Limits and Compliance Monitoring Requirements
S9, NAPHTHA STORAGE TANK, TK-4607
INTERNAL FLOATING ROOF TANK

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
	321.3.2			circumference			
	BAAQM D 8-5-322.1	Y		No holes, tears or openings in secondary seal fabric	BAAQMD 8-5-402.2	P/SA	Visual inspection
	BAAQM D 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
	BAAQM D 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	BAAQM D 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	BAAQM D 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
<u>VOC</u>	<u>BAAQMD 8-5-328.1</u>	<u>N</u>		<u>Residual organic concentration of < 10,000 ppm as methane after degassing</u>	<u>BAAQMD 8-5-328.1</u>	<u>P/each time emptied & degassed; 4 consecutive measurements at 15 minute intervals</u>	<u>Method 21 portable hydrocarbon detector</u>
<u>VOC</u>	<u>BAAQMD SIP 8-5-328.1.2</u>	<u>Y</u>		Concentration of organic compounds of < 10,000 ppm as methane after degassing	<u>BAAQMD SIP 8-5-503</u>	<u>P/Each time emptied & degassed</u>	Portable hydrocarbon detector

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – ED
Applicable Limits and Compliance Monitoring Requirements
S9, NAPHTHA STORAGE TANK, TK-4607
INTERNAL FLOATING ROOF TANK

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC		N		None	BAAQMD 8-5-501.1	P/E	Records of liquids stored and TVPs
VOC		Y		None	BAAQMD 8-5-501.2	P/E	Records of tank seal replacement
VOC	<u>BAAQMD 8-5-331.1</u>	<u>N</u>		<u>Tank cleaning agents IBP > 302 deg F; or TVP < 0.5 psia; or VOC < 50 grams/liter</u>	<u>BAAQMD 8-5-331.1</u>	<u>N</u>	<u>Sample analysis</u>
<u>NESHAPS CC and NSPS Kb</u>	<u>40-CFR40 CFR, Part 63 Subpart CC – NESHAPS for Petroleum Refineries</u> <u>40-CFR40 CFR, Part 61 Subpart FF – Benzene Waste Operations NESHAP</u> <u>40-CFR40 CFR, Part 60 Subpart Kb – NSPS for VOL Storage Tanks</u> <u>LIMITS AND MONITORING FOR INTERNAL FLOATING ROOF TANKS</u>						
<u>VOC</u>	<u>63.640 (n)(1), 61.351, 60.112b (a)(1)</u>	<u>Y</u>		<u>Deck fitting closure standards; includes gasketed covers</u>	<u>63.640(n)(8), 61.351, 60.113b(a)(1) & (a)(4)</u>	<u>Prior to filling tank, each time emptied & degassed, and at least every 10 yr</u>	<u>visual inspection</u>
<u>VOC</u>	<u>63.640 (n)(1), 61.351, 60.113b (a)(1) & (4)</u>	<u>Y</u>		<u>Primary rim-seal standards; no holes or tears</u>	<u>63.640(n)(8), 61.351, 60.113b(a)(1) & (a)(4)</u>	<u>Prior to filling tank, each time emptied & degassed, and at least every 10 yr</u>	<u>visual inspection</u>
<u>VOC</u>	<u>63.640 (n)(1), 61.351, 60.113b (a)(1) & (4)</u>	<u>Y</u>		<u>Secondary rim-seal standards; no holes or tears</u>	<u>63.640(n)(8), 61.351, 60.113b(a)(1) & (a)(4)</u>	<u>Prior to filling tank, each time emptied & degassed, and at least every 10 yr</u>	<u>visual inspection</u>
<u>VOC</u>	<u>63.640 (n)(1), 61.351,</u>	<u>Y</u>		<u>Internal visual inspection from viewports of fixed roof</u>	<u>63.640(n)(8), 61.351, 60.113b</u>	<u>P/A</u>	<u>visual inspection</u>

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – ED
Applicable Limits and Compliance Monitoring Requirements
S9, NAPHTHA STORAGE TANK, TK-4607
INTERNAL FLOATING ROOF TANK

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
	<u>60.113b(a)(2)</u>				<u>(a)(2)</u>		
	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		<u>None</u> Record of liquid stored and true vapor pressure	40-CFR 63.640(n)(8), 61.351, 60.116b(c)	P/E Upon change of service	Records of maximum true pressure of volatile organic liquids
VOC		Y		<u>Record of each initial, annual, and 10-year tank inspection</u>	63.640(n)(8), 61.351, 60.115b(a)(2)	<u>For each tank inspection</u>	<u>record</u>
VOC		Y		<u>Report of non-compliant annual inspection for tanks with secondary seals</u>	63.640(n)(8), 61.351, 60.115b(a)(4)	<u>Within 30 days of inspection</u>	<u>report</u>
BAAQMD Permit	<u>PERMIT CONDITIONS</u>						
VOC	<u>BAAQMD Condition 1240, part</u>	Y		Emissions of NMHC < 42.705 tons per year	<u>BAAQMD Condition 1240, parts</u>	P/SA	calculations

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – ED
Applicable Limits and Compliance Monitoring Requirements
S9, NAPHTHA STORAGE TANK, TK-4607
INTERNAL FLOATING ROOF TANK

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
	I.14				I.18a, I.18c and I.18j		
	<u>BAAQMD</u> Condition 1240, part II.26	Y		Vapor pressure shall not exceed 11 psia	<u>BAAQMD</u> Condition 1240, part II.29	P/M	Records
Through-put	<u>BAAQMD</u> Condition 1240, part II.28	Y		< 24,019,000 gallons in any consecutive 12-month period	<u>BAAQMD</u> Condition 1240, part II.29	P/M	Records

Table VII – FE
Applicable Limits and Compliance Monitoring Requirements
S12, WASTEWATER TANK S12 (TK-4606), S26 (TK-4613), S28 (TK-4611B)
EXEMPT EFFLUENT WASTEWATER TANKS

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

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – ~~FE~~
Applicable Limits and Compliance Monitoring Requirements
S12, WASTEWATER TANK S12 (TK-4606), S26 (TK-4613), S28 (TK-4611B)
EXEMPT EFFLUENT WASTEWATER TANKS

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
NESHAPS	<u>40 CFR, Part 63 Subpart CC - NESHAPS for Petroleum Refineries</u>						
CC	<u>RECORDKEEPING ONLY</u>						
<u>HAP</u>	<u>63.641</u>	<u>Y</u>		<u>Retain weight percent total organic HAP in stored liquid for Group 2 determination.</u>	<u>63.654(i)(1)(iv)</u>	<u>P/E</u>	<u>Record</u>
VOC	40 CFR 61.343(a)(1)(i)(B)	Y		Tank openings maintained in closed and sealed position	40-CFR 61.343(e)	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(e)(1)	C	Temperature measurement
VOC	40 CFR 61.349(a)(2)(i)(A)	Y		95% control (by S24 process heater)	40-CFR 61.354(e)(4)	C	Temperature measurement

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – ~~FE~~
Applicable Limits and Compliance Monitoring Requirements
S12, WASTEWATER TANK S12 (TK-4606), S26 (TK-4613), S28 (TK-4611B)
EXEMPT EFFLUENT WASTEWATER TANKS

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
<u>BAAQMD Permit</u>	<u>PERMIT CONDITIONS</u>						
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 – ~~GF~~
Applicable Limits and Compliance Monitoring Requirements
S13, KEROSENE TANK, TK-4608 #8
S59, GAS OIL TANK, TK-4605
S63, KERO/LVGO/HVGO/ASPHALT TANK, TK-4631
NSPS Kb FIXED ROOF TANKS

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
<u>BAAQMD Regulation 8-5</u>	<u>Organic Compounds - STORAGE OF ORGANIC LIQUIDS</u> <u>LIMITS AND MONITORING FOR FLOATING-ROOF TANKS</u>						
<u>Vapor Pressure</u>	<u>BAAQMD 8-5-117</u> <u>8-5-301</u> <u>SIP</u> <u>8-5-117</u> <u>8-5-301</u>	<u>Y</u>		<u>True vapor pressure</u>	<u>BAAQMD 8-5-501.1</u> <u>SIP</u> <u>8-5-501.1</u>	<u>P/E</u> <u>initially and</u> <u>upon</u> <u>change of</u> <u>service</u>	<u>Look up table</u> <u>or sample</u> <u>analysis;</u> <u>Records</u>
<u>VOC</u>	<u>BAAQMD 8-5-303.1</u>	<u>N</u>		<u>Pressure vacuum valve set to 90% of tank's maximum allowable</u>	<u>BAAQMD 8-5-501.4</u>	<u>P/initial</u>	<u>Records</u>

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – ~~GF~~
Applicable Limits and Compliance Monitoring Requirements
S13, KEROSENE TANK, TK-4608 #8
S59, GAS OIL TANK, TK-4605
S63, KERO/LVGO/HVGO/ASPHALT TANK, TK-4631
NSPS KB FIXED ROOF TANKS

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
				<u>working pressure or at least 0.5 psig</u>			
VOC	<u>BAAQMD 8-5-303.2</u>	N		Pressure vacuum valve sealing mechanism must be gas-tight: < 500 ppm	<u>BAAQMD 8-5-403 8-5-403.1</u>	P/SA	<u>Method 21 portable hydrocarbon detector</u>
				<u>OR</u>	<u>BAAQMD 8-5-403 8-5-403.1 8-5-411.3 (optional)</u>	P/Q (optional)	<u>Method 21 portable hydrocarbon detector</u>
				Pressure vacuum valve sealing mechanism must be vented to abatement with 95% efficiency	<u>BAAQMD 8-5-502.1</u>	P/A	<u>Source test (Not required if vented to fuel gas)</u>
VOC	<u>BAAQMD SIP 8-5-303.1</u>	Y		PV valve set pressure within 10% of working pressure or at least 0.5 psig	<u>BAAQMD SIP 8-5-403</u>	P/SA	<u>Visual Inspection</u>
VOC	<u>BAAQMD SIP 8-5-303.2</u>	Y		PV valve gas tight (< 500 ppm) except when operating pressure exceeds the valve set pressure	<u>BAAQMD SIP 8-5-403 8-5-503 8-5-605</u>	P/SA	<u>Method 21 portable hydrocarbon detector Inspection</u>
VOC	<u>BAAQMD 8-5-306.1</u>	N		<u>Approved emission control system; 95% efficiency requirement</u>	<u>BAAQMD 8-5-502.1 8-5-603</u>	P/A	<u>Source Test</u>
VOC	<u>SIP 8-5-306</u>	Y		<u>Approved emission control system gas tight: < 100 ppm (as methane) above background</u>	<u>SIP 8-5-503 8-5-605</u>	None	<u>Method 21 portable hydrocarbon detector</u>
VOC	<u>BAAQMD SIP</u>	Y		<u>Control device</u>	<u>BAAQMD</u>	C	Temperature

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – ~~GF~~
Applicable Limits and Compliance Monitoring Requirements
S13, KEROSENE TANK, TK-4608 #8
S59, GAS OIL TANK, TK-4605
S63, KERO/LVGO/HVGO/ASPHALT TANK, TK-4631
NSPS Kb FIXED ROOF TANKS

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
	8-5-306			<u>standards</u> : 95% control of organic vapors	Condition 1240, part II.58b		<u>CPMS monitoring</u>
VOC	<u>BAAQMD 8-5-328.1</u>	N		<u>Residual organic concentration of < 10,000 ppm as methane after degassing</u>	<u>BAAQMD 8-5-328.1</u>	<u>P/each time emptied & degassed: 4 consecutive measurements at 15 minute intervals</u>	<u>Method 21 portable hydrocarbon detector</u>
VOC	<u>BAAQMD-SIP 8-5-328.1.2</u>	Y		Concentration of organic compounds of < 10,000 ppm as methane after degassing	<u>BAAQMD SIP 8-5-503</u>	P/E	Portable hydrocarbon detector
VOC		Y		None	<u>BAAQMD 8-5-501.1</u>	P/E	<u>Records of liquids stored and TVPs</u>
VOC	<u>BAAQMD 8-5-331.1</u>	N		<u>Tank cleaning agents IBP > 302 deg F; or TVP < 0.5 psia; or VOC < 50 grams/liter</u>	<u>BAAQMD 8-5-331.1</u>	N	<u>Sample analysis</u>
NSPS Kb	<u>40 CFR, Part 60 Subpart Kb – NSPS for VOL Storage Vessels</u> <u>LIMITS AND MONITORING FOR CVS & CONTROL DEVICES</u>						
VOC	<u>40 CFR 60.112b(a)(3)(i)</u>	Y		“No detectable emissions,” as determined by <u>40 CFR, Part 60.485(b)</u> , equivalent to	<u>BAAQMD</u> Condition 1240, part II.32e	P/SA	EPA Method 21

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – GF
Applicable Limits and Compliance Monitoring Requirements
S13, KEROSENE TANK, TK-4608 #8
S59, GAS OIL TANK, TK-4605
S63, KERO/LVGO/HVGO/ASPHALT TANK, TK-4631
NSPS Kb FIXED ROOF TANKS

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
				< 500 ppm			
VOC	40-CFR 60.112b(a) (3)(ii)	Y		<u>Control device standards</u> ; 95% control of inlet VOC	BAAQMD Condition 1240, part II.58b	C	Temperature monitoring <u>CPMS monitoring</u>
BAAQMD <u>Permit</u>	<u>PERMIT CONDITIONS</u>						
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
<u>VOC</u>	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
<u>VOC</u>	BAAQMD Condition 1240, part II.32a	Y		98.5% destruction of vapors <u>whenever petroleum and VOC materials are stored</u>	BAAQMD Condition 1240, part II.58b	C	Temperature CPMS monitoring <u>CPMS monitoring</u>
<u>VOC</u> <u>S59</u>	<u>Condition 1240, part II.93</u>	<u>Y</u>		<u>Contain emissions in closed vent system whenever the vapor recovery blower is not operating, as long as no P/V valve is lifting.</u>	<u>Condition 1240, part II.93</u>	<u>P/E</u> <u>(every 8 hours)</u>	<u>Pressure monitoring whenever vapor recovery blower is not operating</u>
					<u>Condition 1240, part II.95</u>	<u>P/E</u>	<u>Records</u>

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – ~~GF~~
Applicable Limits and Compliance Monitoring Requirements
S13, KEROSENE TANK, ~~TK-4608 #8~~
~~S59, GAS OIL TANK, TK-4605~~
~~S63, KERO/LVGO/HVGO/ASPHALT TANK, TK-4631~~
NSPS Kb FIXED ROOF TANKS

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC S13, S63	Condition 1240, part II.94	Y		Contain emissions in vapor recovery system when the vapor recovery blower is not operating.	Condition 1240, part II.94	P/D	Records
					Condition 1240, part II.95	P/E	Records
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	BAAQMD Condition	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
				exceed 100% of the LEL at 1-cm	1240, part H.59a		
	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 H.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 H.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
	AAQMD Condition #1240, part H.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
	AAQMD Condition #1240, part H.61a	Y		Vapor pressure < 11 psia	BAAQMD Condition 1240, part H.29	P/M	Records
Through-put limit	AAQMD	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 – 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
	Condition #1240, part H.61b						

Table VII – IG
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 CPMS monitoring
<u>VOC</u>	BAAQMD 8-6-304	Y		21 g/cubic meter (0.17 lb/1000 gallons)	BAAQMD Condition 1240, part I.19	C	Temperature CPMS monitoring
<u>VOC</u>	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
<u>VOC</u>	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
<u>VOC</u>	BAAQMD 8-6-306	Y		Leaks during transfer shall not exceed 10 milliliters (ml) during a bottom loading operation or no	BAAQMD Condition 1240, part II.62b	P/Q	Inspection

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – IG
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
				more than two milliliters (ml) during a top loading operation, averaged over three disconnects.			
<u>VOC</u>	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
<u>VOC</u>	BAAQMD Condition #1240, part II.63	Y		98.5% destruction of vapors by weight	BAAQMD Condition 1240, part I.19	C	Temperature CPMS 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

Table VII – JH
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	P/SA	Calculations

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – JH
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
					I.18a, I.18d and I.18j		
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 - KI
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
<u>VOC</u>	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.68	Y		98.5% destruction of vapors by weight	BAAQMD Condition 1240, part I.19	C	Temperature <u>CPMS monitoring</u>
<u>VOC</u>	BAAQMD Condition	Y		Vapor pressure < 0.5 psia, except allowable kerosene	BAAQMD Condition	P/M	Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table– VII - ~~KI~~
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
	#1240, part II.71				#1240, part II.75		
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- 1 -301	Y		Ringelmann No. 1 for no more than 3 minutes in any hour	BAAQMD Condition 1240, part I.19	C	Temperature CPMS monitoring
<u>Opacity</u>	<u>SIP</u> <u>6-301</u>	<u>Y</u>		<u>Ringelmann No. 1 for no more than 3 minutes in any hour</u>	<u>Condition</u> <u>1240, II.58b</u>	<u>C</u>	<u>Temperature</u> <u>CPMS</u>
FP	BAAQMD 6- 1 -310	Y		0.15 gr/dscf	BAAQMD Condition 1240, part I.19	C	Temperature CPMS monitoring
<u>FP</u>	<u>SIP</u> <u>6-310</u>	<u>Y</u>		<u>0.15 gr/dscf</u>	<u>Condition</u> <u>1240, II.58b</u>	<u>C</u>	<u>Temperature</u> <u>CPMS</u>
Odor		N			BAAQMD Condition #1240, part IV.2	P/E	Asphalt tank truck dome inspection program

Table VII – ~~LJ.1~~
Applicable Limits and Compliance Monitoring Requirements
S18, CRUDE UNIT
TO BE DELETED UPON STARTUP OF THE
ATMOSPHERIC PRD REMOVAL PROJECT (A/N 19193)

VII. Applicable Limits and Compliance Monitoring Requirements

Type of Limit	Citation of Limit		FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
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 concentration 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.
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/SA	Calculations
VOC	BAAQMD Condition #1240, part I.3.a	Y			98.5% destruction of vapors by weight	BAAQMD Condition 1240, part I.16b.1	P/every 2 years	Source test
HAP	40 CFR 40 CFR	Y			Reduce HAPs by 98% or to	40 CFR 40	N	Exempt from

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – ~~LJ.1~~
Applicable Limits and Compliance Monitoring Requirements
S18, CRUDE UNIT
TO BE DELETED UPON STARTUP OF THE
ATMOSPHERIC PRD REMOVAL PROJECT (A/N 19193)

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
	Part 63.643(a) (2)			20 ppm @ 3% oxygen	CFR, Part 63.644(a)(3)		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
<u>VOC</u>	BAAQMD Condition #1240, part I.2	Y		18,000 barrels/any calendar day	BAAQMD Condition #1240, part I.4	P/D	Records

Table VII – J.2
Applicable Limits and Compliance Monitoring Requirements
S18, CRUDE UNIT
APPLIES UPON STARTUP OF THE
ATMOSPHERIC PRD REMOVAL PROJECT (A/N 19193)

<u>Type of Limit</u>	<u>Citation of Limit</u>	<u>FE Y/N</u>	<u>Future Effective Date</u>	<u>Limit</u>	<u>Monitoring Requirement Citation</u>	<u>Monitoring Frequency (P/C/N)</u>	<u>Monitoring Type</u>
<u>VOC</u>	<u>Condition</u> <u>1240, part</u> <u>I.14</u>	<u>Y</u>		<u>Emissions of NMHC <</u> <u>42.705 tons per year</u>	<u>Condition</u> <u>1240, parts</u> <u>I.18a, I.18b</u> <u>and I.18j</u>	<u>P/SA</u>	<u>Calculations</u>
<u>Through-put limit</u>	<u>Condition</u> <u>1240, part</u> <u>I.1</u>	<u>Y</u>		<u>5,292,000 barrels/any</u> <u>consecutive 12 months</u>	<u>Condition</u> <u>1240, part I.4</u>	<u>P/M</u>	<u>Records</u>
<u>VOC</u>	<u>Condition</u> <u>1240, part</u>	<u>Y</u>		<u>18,000 barrels/any calendar</u> <u>day</u>	<u>Condition</u> <u>1240, part I.4</u>	<u>P/D</u>	<u>Records</u>

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – J.2
Applicable Limits and Compliance Monitoring Requirements
S18, CRUDE UNIT
APPLIES UPON STARTUP OF THE
ATMOSPHERIC PRD REMOVAL PROJECT (A/N 19193)

<u>Type of Limit</u>	<u>Citation of Limit</u>	<u>FE Y/N</u>	<u>Future Effective Date</u>	<u>Limit</u>	<u>Monitoring Requirement Citation</u>	<u>Monitoring Frequency (P/C/N)</u>	<u>Monitoring Type</u>
	<u>I.2</u>						

Table– VII – MK.1
Applicable Limits and Compliance Monitoring Requirements
S19, VACUUM HEATER
TO BE DELETED UPON STARTUP OF THE
ATMOSPHERIC PRD REMOVAL PROJECT (A/N 19193)

<u>Type of Limit</u>	<u>Citation of Limit</u>	<u>FE Y/N</u>	<u>Future Effective Date</u>	<u>Limit</u>	<u>Monitoring Requirement Citation</u>	<u>Monitoring Frequency (P/C/N)</u>	<u>Monitoring Type</u>
NOx 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
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 (condition effective 1/1/05)	P/D	Emission calculations using emission factors, fuel meter, and O2 meter data

VII. Applicable Limits and Compliance Monitoring Requirements

Table– VII – MK.1
Applicable Limits and Compliance Monitoring Requirements
S19, VACUUM HEATER
TO BE DELETED UPON STARTUP OF THE
ATMOSPHERIC PRD REMOVAL PROJECT (A/N 19193)

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
				this limit)			
<u>NOx</u>	BAAQMD 9-10-303	<u>YN</u>		Refinery-wide emissions (excluding CO boilers): 0.20 lb NOx NOx/MMbtu, operating day average	BAAQMD 9-10-502.1, Condition #2061721233 , 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 #2061721233, part 7a.2	P/SA	Source test
<u>NOx</u>	BAAQMD Condition 1240, part I.8	Y		25 ppmv (dry, 3% O2, one hour average)	BAAQMD 9-10-502 and BAAQMD Condition 1240, part I.16a.1	P/SA	Source test
NOx	BAAQMD Condition 1240, part I.14	Y		Emissions of NOx 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
<u>O2</u>	BAAQMD Condition #21233, part 5	Y		No limit (limit to be established by 1/1/05) <u>NOx Box ranges for low, mid, and high O2 at low, mid, and high firing</u>	BAAQMD Condition #21233, part 2 (condition effective 1/1/05)	C	Oxygen analyzer <u>O2 CPMS</u>
CO	BAAQMD	N		400 ppmv (dry, 3% O2),	BAAQMD	P/SA	Source test

VII. Applicable Limits and Compliance Monitoring Requirements

Table– VII – MK.1
Applicable Limits and Compliance Monitoring Requirements
S19, VACUUM HEATER
TO BE DELETED UPON STARTUP OF THE
ATMOSPHERIC PRD REMOVAL PROJECT (A/N 19193)

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
	9-10-305			operating day average	9-10-502 and BAAQMD Condition 21233, part 7.a.2		
<u>CO</u>	BAAQMD Condition 1240, part I.5b	Y		50 ppmv (dry, 3% O ₂) over any one-hour period	BAAQMD Condition 1240, part I.16a.1	P/SA	Source test
<u>CO</u>	BAAQMD Condition 1240, part I.5c	Y		1.47 lb/hr over any one-hour period	BAAQMD Condition 1240, part I.16a.1	P/SA	Source test
<u>CO</u>	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
SO ₂	40 CFR, 40 CFR, Part -60.104(a) (1)	Y		Fuel gas H ₂ S 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 40 CFR, Part 60.105(a)(4)	C	H ₂ S analyzer CEM
<u>SO₂</u>	BAAQMD Condition 1240, part I.11.a	Y		Fuel gas H ₂ S concentration limited to 162 ppmv, dry, prior to mixing averaged over any consecutive 3-hr	BAAQMD Condition 1240, part I.13	C	H ₂ S CEM

VII. Applicable Limits and Compliance Monitoring Requirements

Table– VII – MK.1
Applicable Limits and Compliance Monitoring Requirements
S19, VACUUM HEATER
TO BE DELETED UPON STARTUP OF THE
ATMOSPHERIC PRD REMOVAL PROJECT (A/N 19193)

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
				period			
<u>SO2</u>	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
<u>SO2</u>	BAAQMD Condition 1240, part I.14	Y		Emissions of SO2 < 28.049 tons per year	None	N	N/A
Opacity	BAAQMD 6-1-301	N		Ringelmann No. 1 for no more than 3 minutes in any hour	None	N	N/A
<u>Opacity</u>	<u>SIP</u> <u>6-301</u>	<u>Y</u>		<u>Ringelmann No. 1 for no more than 3 minutes in any hour</u>	<u>None</u>	<u>N</u>	<u>N/A</u>
FP	BAAQMD 6-1-310.3	N		0.15 grain/dscf @ 6% oxygen	None	N	N/A
<u>FP</u>	<u>SIP 6-310.3</u>	<u>Y</u>		<u>0.15 grain/dscf @ 6% oxygen</u>	<u>None</u>	<u>N</u>	<u>N/A</u>
VOC	BAAQMD Condition #1240, part I.3. <u>a</u>	Y		98.5% destruction of vapors by weight	BAAQMD Condition 1240, part I.16b. <u>1</u>	P/every 2 years	Source test
<u>VOC</u>	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 <u>40 CFR</u> <u>Part</u> 63.643(a)	Y		Reduce HAPs by 98% or to 20 ppm @ 3% oxygen	40-CFR <u>40 CFR</u> <u>Part</u> 63.644(a)(3)	None	Exempt from monitoring

VII. Applicable Limits and Compliance Monitoring Requirements

Table– VII – MK.1
Applicable Limits and Compliance Monitoring Requirements
S19, VACUUM HEATER
TO BE DELETED UPON STARTUP OF THE
ATMOSPHERIC PRD REMOVAL PROJECT (A/N 19193)

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
	(2)						
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 flow CPMS Fuel meters
<u>Through-put</u>	BAAQMD Condition 1240, part I.5a	Y		Maximum heat input to S19 < 40 MMbtu/hr	BAAQMD 9-10-502.2	C	Fuel meters Fuel flow CPMS
Through-put	BAAQMD Condition 19329, part 1	Y		Maximum heat input to S19 < 40 MMbtu/hr	BAAQMD 9-10-502.2	C	Fuel flow CPMS Fuel meters

Table– VII – K.2
Applicable Limits and Compliance Monitoring Requirements
S19, VACUUM HEATER
APPLIES UPON STARTUP OF THE
ATMOSPHERIC PRD REMOVAL PROJECT (A/N 19193)

<u>Type of Limit</u>	<u>Citation of Limit</u>	<u>FE Y/N</u>	<u>Future Effective Date</u>	<u>Limit</u>	<u>Monitoring Requirement Citation</u>	<u>Monitoring Frequency (P/C/N)</u>	<u>Monitoring Type</u>
<u>NOx</u>	<u>BAAQMD</u> <u>9-10-301</u>	<u>N</u>		<u>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)</u>	<u>BAAQMD</u> <u>9-10-502 & Condition 21233, part 7a.2</u>	<u>P/SA</u>	<u>Source test</u>

VII. Applicable Limits and Compliance Monitoring Requirements

Table- VII – K.2
Applicable Limits and Compliance Monitoring Requirements
S19, VACUUM HEATER
APPLIES UPON STARTUP OF THE
ATMOSPHERIC PRD REMOVAL PROJECT (A/N 19193)

<u>Type of Limit</u>	<u>Citation of Limit</u>	<u>FE Y/N</u>	<u>Future Effective Date</u>	<u>Limit</u>	<u>Monitoring Requirement Citation</u>	<u>Monitoring Frequency (P/C/N)</u>	<u>Monitoring Type</u>
<u>NOx</u>	<u>BAAQMD 9-10-301</u>	<u>N</u>		<u>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)</u>	<u>BAAQMD 9-10-502 & Condition 21233</u>	<u>P/D</u>	<u>Emission calculations using emission factors, fuel meter, and O2 meter data</u>
<u>NOx</u>	<u>BAAQMD 9-10-303</u>	<u>Y</u>		<u>Refinery-wide emissions (excluding CO boilers): 0.20 lb NOx/MMbtu, operating day average</u>	<u>BAAQMD 9-10-502.1, Condition 21233, part 7a.2</u>	<u>P/SA</u>	<u>Source test</u>
<u>NOx</u>	<u>Condition 1240, part I.8</u>	<u>Y</u>		<u>25 ppmv (dry, 3% O2, one hour average)</u>	<u>9-10-502 and Condition 1240, part I.16a.2</u>	<u>P/Initial</u>	<u>Source test</u>
<u>NOx</u>	<u>Condition 1240, part I.14</u>	<u>Y</u>		<u>Emissions of NOs < 40.047 tons per year</u>	<u>Condition 1240, parts I.18a, I.18h and I.18j</u>	<u>P/SA</u>	<u>Calculations</u>
<u>O2</u>		<u>Y</u>		<u>No limit</u>	<u>Condition 1240, I.10</u>	<u>C</u>	<u>Oxygen analyzer</u>
<u>O2</u>	<u>BAAQMD Condition #21233, part 5</u>	<u>Y</u>		<u>NOx Box ranges for low, mid, and high O2 at low, mid, and high firing</u>	<u>BAAQMD Condition #21233, part 2</u>	<u>C</u>	<u>O2 CPMS</u>
<u>CO</u>	<u>BAAQMD 9-10-305</u>	<u>N</u>		<u>400 ppmv (dry, 3% O2), operating day average</u>	<u>BAAQMD 9-10-502 and Condition</u>	<u>P/SA</u>	<u>Source test</u>

VII. Applicable Limits and Compliance Monitoring Requirements

Table- VII – K.2
Applicable Limits and Compliance Monitoring Requirements
S19, VACUUM HEATER
APPLIES UPON STARTUP OF THE
ATMOSPHERIC PRD REMOVAL PROJECT (A/N 19193)

<u>Type of Limit</u>	<u>Citation of Limit</u>	<u>FE Y/N</u>	<u>Future Effective Date</u>	<u>Limit</u>	<u>Monitoring Requirement Citation</u>	<u>Monitoring Frequency (P/C/N)</u>	<u>Monitoring Type</u>
					<u>21233, part 7.a.2</u>		
<u>CO</u>	<u>Condition 1240, part I.5b</u>	<u>Y</u>		<u>50 ppmv (dry, 3% O₂) over any one-hour period</u>	<u>Condition 1240, part I.16a.2</u>	<u>P/Initial</u>	<u>Source test</u>
<u>CO</u>	<u>Condition 1240, part I.5c</u>	<u>Y</u>		<u>1.47 lb/hr over any one-hour period</u>	<u>Condition 1240, part I.16a.2</u>	<u>P/Initial</u>	<u>Source test</u>
<u>CO</u>	<u>Condition 21233, part 9</u>	<u>Y</u>		<u>200 ppmv (dry, 3% O₂), operating day average or installation of a CO CEM</u>	<u>Condition 21233, part 7.a.2</u>	<u>P/SA</u>	<u>Source test</u>
<u>SO₂</u>	<u>Condition 1240, part I.14</u>	<u>Y</u>		<u>Emissions of SO₂ < 28.049 tons per year</u>	<u>None</u>	<u>N</u>	<u>N/A</u>
<u>Opacity</u>	<u>BAAQMD 6-1-301</u>	<u>N</u>		<u>Ringelmann No. 1 for no more than 3 minutes in any hour</u>	<u>None</u>	<u>N</u>	<u>N/A</u>
<u>Opacity</u>	<u>SIP 6-301</u>	<u>Y</u>		<u>Ringelmann No. 1 for no more than 3 minutes in any hour</u>	<u>None</u>	<u>N</u>	<u>N/A</u>
<u>FP</u>	<u>BAAQMD 6-1-310.3</u>	<u>N</u>		<u>0.15 grain/dscf @ 6% oxygen</u>	<u>None</u>	<u>N</u>	<u>N/A</u>
<u>FP</u>	<u>SIP 6-310.3</u>	<u>Y</u>		<u>0.15 grain/dscf @ 6% oxygen</u>	<u>None</u>	<u>N</u>	<u>N/A</u>
<u>POC</u>	<u>Condition 1240, part I.14</u>	<u>Y</u>		<u>Emissions of NMHC < 42.705 tons per year</u>	<u>Condition 1240, parts I.18a, I.18f and I.18j</u>	<u>P/SA</u>	<u>Calculations</u>
<u>Through-put</u>	<u>Condition 1240, part I.5</u>	<u>Y</u>		<u>Maximum heat input to all asphalt plant combustion units < 93.6 MMbtu/hr</u>	<u>Condition 1240, part I.5</u>	<u>C</u>	<u>Fuel flow CPMS</u>
<u>Through-</u>	<u>Condition</u>	<u>Y</u>		<u>Maximum heat input to S19</u>	<u>BAAQMD</u>	<u>C</u>	<u>Fuel flow</u>

VII. Applicable Limits and Compliance Monitoring Requirements

Table- VII – K.2
Applicable Limits and Compliance Monitoring Requirements
S19, VACUUM HEATER
APPLIES UPON STARTUP OF THE
ATMOSPHERIC PRD REMOVAL PROJECT (A/N 19193)

<u>Type of Limit</u>	<u>Citation of Limit</u>	<u>FE Y/N</u>	<u>Future Effective Date</u>	<u>Limit</u>	<u>Monitoring Requirement Citation</u>	<u>Monitoring Frequency (P/C/N)</u>	<u>Monitoring Type</u>
put	1240, part 1.5a			< 40 MMbtu/hr	9-10-502.2		CPMS
Through-put	Condition 19329, part 1	Y		Maximum heat input to S19 < 40 MMbtu/hr	BAAQMD 9-10-502.2	C	Fuel flow CPMS

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

<u>Type of Limit</u>	<u>Citation of Limit</u>	<u>FE Y/N</u>	<u>Future Effective Date</u>	<u>Limit</u>	<u>Monitoring Requirement Citation</u>	<u>Monitoring Frequency (P/C/N)</u>	<u>Monitoring Type</u>
NOx 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
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	BAAQMD 9-10-502 and BAAQMD Condition 21233 (condition effective)	P/D	Emission calculations using emission factors and fuel meter

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – ~~NL~~
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
				condition #19329 is considered compliance with this limit)	1/1/05		
<u>NOx</u>	BAAQMD 9-10-303	<u>YN</u>		Refinery-wide emissions (excluding CO boilers): 0.20 lb NOX <u>NOx</u> /MMbtu, operating day average	BAAQMD 9-10-502.1, Condition 21233, part 7.a.1	P/A	Source test
	SIP <u>9-10-303</u>	Y		Refinery-wide emissions (excluding CO boilers): 0.20 lb NOX/MMbtu, operating day average	BAAQMD <u>Condition 21233, part 7.a.1</u>	P/A	Source test
NOX <u>NOx</u>	BAAQMD Condition 1240, part I.14	Y		Emissions of NOX <u>NOx</u> < 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
SO ₂	BAAQMD Condition 1240, part I.14	Y		Emissions of SO ₂ < 28.049 tons per year	None	N	N/A
Opacity	BAAQMD 6-1-301	NY		Ringelmann No. 1 for no more than 3 minutes in any hour (gaseous fuel)	None	N	N/A
<u>Opacity</u>	<u>SIP</u> <u>6-301</u>	<u>Y</u>		<u>Ringelmann No. 1 for no more than 3 minutes in any</u>	<u>None</u>	<u>N</u>	<u>N/A</u>

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – ~~NL~~
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
				<u>hour (gaseous fuel)</u>			
FP	BAAQMD 6-1-310.3	NY		0.15 grain/dscf @ 6% oxygen	None	N	N/A
<u>FP</u>	<u>SIP 6-310.3</u>	<u>Y</u>		<u>0.15 grain/dscf @ 6% oxygen</u>	<u>None</u>	<u>N</u>	<u>N/A</u>
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	<u>Fuel flow CPMS Fuel meters</u>
<u>Through-put</u>	BAAQMD Condition 19329, part 1	Y		Maximum heat input to S20 < 15 MMbtu/hr	<u>BAAQMD</u> 9-10-502.2	C	<u>Fuel flow CPMS Fuel meters</u>

Table VII – ~~OM~~
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/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	BAAQMD 9-10-502 and BAAQMD Condition 21233, part 7.a.1 (condition <u>effective</u>	P/A	Source test

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – ~~OM~~
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
				considered compliance with this limit)	1/1/05)		
<u>NOx</u>	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
<u>NOx</u>	BAAQMD 9-10-303	Y N		Refinery-wide emissions (excluding CO boilers): 0.20 lb NOx 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 21233, part 7.a.1	P/A	Source test
NOx NOx	BAAQMD Condition 1240, part I.14	Y		Emissions of NOx 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	P/A	Source test

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – ~~OM~~
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
					1/1/05)		
SO2	BAAQMD Condition 1240, part I.14	Y		Emissions of SO2 < 28.049 tons per year	None	N	N/A
Opacity	BAAQMD 6-1-301	N		Ringelmann No. 1 for no more than 3 minutes in any hour	None	N	N/A
<u>Opacity</u>	<u>SIP</u> <u>6-301</u>	<u>Y</u>		<u>Ringelmann No. 1 for no more than 3 minutes in any hour (gaseous fuel)</u>	<u>None</u>	<u>N</u>	<u>N/A</u>
FP	BAAQMD 6-1-310.3	N		0.15 grain/dscf @ 6% oxygen	None	N	N/A
<u>FP</u>	<u>SIP</u> <u>6-310.3</u>	<u>Y</u>		<u>0.15 grain/dscf @ 6% oxygen</u>	<u>None</u>	<u>N</u>	<u>N/A</u>
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	<u>Fuel flow</u> <u>CPMS Fuel</u> <u>meters</u>
<u>Through- put</u>	<u>BAAQMD</u> Condition 19329, part 1	Y		Maximum heat input to S21 < 15 MMbtu/hr	<u>BAAQMD</u> 9-10-502.2	C	<u>Fuel flow</u> <u>CPMS Fuel</u> <u>meters</u>

Table– VII – ~~NP~~
Applicable Limits and Compliance Monitoring Requirements
S24, HOT OIL HEATER

VII. Applicable Limits and Compliance Monitoring Requirements

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
NOx/NOx	BAAQMD Condition 1240, part I.14	Y		Emissions of NOx/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 6-1-301	Y		Ringelmann No. 1 for no more than 3 minutes in any hour (gaseous fuel)	BAAQMD Condition #1240, II.58b	C	Temperature CPMS monitoring
Opacity	SIP 6-301	Y		Ringelmann No. 1 for no more than 3 minutes in any hour (gaseous fuel)	None	N	N/A
Opacity	40-CFR 40 CFR, Part 60.472(c)	Y		0 percent opacity except for one consecutive 15-min period in any 24-hr period for cleaning	40-CFR 40 CFR, Part 60.473(c) 60.474(c)(5) and BAAQMD Condition #1240, II.58b	C	Temperature CPMS monitoring
FP	BAAQMD 6-1-310.3	Y		0.15 grain/dscf @ 6% oxygen	BAAQMD Condition #1240, II.58b	C	Temperature CPMS monitoring
FP	SIP 6-310.3	Y		0.15 grain/dscf @ 6% oxygen	None	N	N/A
VOC	BAAQMD 8-5-306	N		95% control of organic vapors (from S13, S59, S63)	BAAQMD 8-5-502.1 8-5-603	P/A	Source Test
VOC	BAAQMD SIP 8-5-306	Y		95% control of organic vapors (from S13, S59, S63)	BAAQMD Condition 1240, part II.58b	C	Temperature CPMS monitoring
VOC	BAAQMD 8-6-301	Y		21 g/cubic meter (0.17 lb/1000 gallons)	BAAQMD Condition 1240, part II.58b	C	Temperature CPMS monitoring

VII. Applicable Limits and Compliance Monitoring Requirements

Table- VII – NP
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
VOC	BAAQMD 8-8-301.3 and SIP 8-8-301.3	Y		95% combined collection and destruction efficiency (S66)	BAAQMD Condition 1240, part II.58b	C	Temperature CPMS monitoring
VOC	BAAQMD 8-8-305.2 SIP 8-8-305.2	Y		70% combined collection and destruction efficiency (S27, S67)	BAAQMD Condition 1240, part II.58b	C	Temperature CPMS monitoring
VOC	40 CFR Part 60.112b(a) (3)(ii)	Y		95% control of organic vapors (from S13, S59, S63)	BAAQMD Condition 1240, part II.58b	C	Temperature CPMS 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(e)(1)	C	Temperature measurement
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
VOC	BAAQMD Condition 1240, parts II.32a, b, e	Y		98.5% destruction of vapors by weight (from S13, S59, S63) whenever petroleum and VOC materials are stored or transferred	BAAQMD Condition 1240, part II.58b	C	Temperature CPMS monitoring

VII. Applicable Limits and Compliance Monitoring Requirements

Table- VII – NP
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
OC	AAQMD Condition 1240, part H.32d			S63, Fugitive emissions at vapor recovery system (S24 or A31) shall not exceed 100 ppmv	AAQMD 8-18-116	A	one
VOC	BAAQMD Condition 1240, part H.43	Y		98.5% destruction of vapors by weight (from S3) when vapor recovery blower is operating	BAAQMD Condition 1240, part H.58b	C	Temperature monitoring
	BAAQMD Condition 1240, part H.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 H.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 H.55	Y		98.5% destruction of vapors by weight (from S5-8, S37, S38, S70)	BAAQMD Condition 1240, part H.58b	C	Temperature monitoring
	BAAQMD Condition #1240, part H.56	Y		98.5% destruction of vapors by weight (from S51-S53, S60, S65)	BAAQMD Condition 1240, part H.58b	C	Temperature monitoring
	BAAQMD Condition #1240, part H.57	Y		98.5% destruction of vapors by weight (from S61, S62)	BAAQMD Condition 1240, part H.58b	C	Temperature monitoring
	BAAQMD Condition #1240, part H.70	Y		98.5% destruction of vapors by weight (from S54)	BAAQMD Condition 1240, part H.58b	C	Temperature monitoring
VOC	BAAQMD	Y		98.5% destruction of vapors	BAAQMD	C	Temperature

VII. Applicable Limits and Compliance Monitoring Requirements

Table- VII – NP
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
	Condition 1240, part II.85			by weight (from S66)	Condition 1240, part II.58b		monitoring
	AAQMD Condition 1240, part II.86			S66, Fugitive emissions at vapor recovery system (S24 or A31) shall not exceed 100 ppm	AAQMD 8-18-116	A	one
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 limit	40 CFR 40 CFR, Part 60.113b(c) (1)(ii) & (c)(2)	Y		1115° F Operating Temperature when in abatement service	40 CFR 40 CFR, Part 60.112b(c) (c)(2)	C	Temperature CPMS monitoring
<u>Temperature limit</u>	40 CFR 40 CFR, Part 60.473(c)	Y		1115° F Operating Temperature when in abatement service	40 CFR 40 CFR, Part 60.473(c)	C	Temperature CPMS monitoring
	40 CFR 61.357(d) (7)(iv)(C)	Y	-	1115° F Operating Temperature when in abatement service	40 CFR 61.354(e)(4)	C	Temperature monitoring
Temperature limit	BAAQMD Condition 1240, part II.58b	Y		1115° F Operating Temperature when in abatement service	BAAQMD Condition 1240, part II.58b	C	Temperature CPMS monitoring

VII. Applicable Limits and Compliance Monitoring Requirements

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	40 CFR 61.343(a)(1)(i)(B)	Y		Tank openings maintained in closed and sealed position	40 CFR 61.343(e)	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
VOC	40 CFR 61.349(a)(2)(i)(A)	Y		95% control	40 CFR 61.354(e)(1); 61.354(e)(4)	C	Temperature measurement
VOC	BAAQMD Condition 1240, part 1.14	Y		Emissions of NMHC < 42.705 tons per year	BAAQMD Condition 1240, parts 1.18a, 1.18e and 1.18j	P/SA	Calculations

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	40 CFR 61	Y		Uncontrolled benzene < 6	40 CFR 61	P/A	Report

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
in-Waste	61.342(e) (2)(i)			megagrams/year	61.357(d)(5)		
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 – SO
Applicable Limits and Compliance Monitoring Requirements
S27, RECOVERED OIL TANK -TK-4612A (FOR S66)
S67, RECOVERED OIL TANK -TK-4612B (FOR S41)
ABATED BY PV VALVE A31 AND/OR S24 VIA S66 AND S41, RESPECTIVELY

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	<u>BAAQMD 8-8-303</u>	<u>Y</u>		<u>Vapor tight gauging and sampling devices</u>	<u>BAAQMD 8-8-504</u> <u>8-8-603</u> <u>SIP 8-8-603</u>	<u>N</u>	<u>Method 21 portable hydrocarbon detector</u>
VOC	<u>BAAQMD 8-8-305.2</u> <u>SIP 8-8-305.2</u>	<u>Y</u>		<u>Combined collection/destruction efficiency of 70% by weight</u>	<u>BAAQMD Condition 1240, part II.58b</u>	<u>C</u>	<u>Temperature monitoring</u> <u>Temperature</u> <u>CPMS</u>
VOC	<u>BAAQMD 8-5-303.1</u>	<u>Y</u>		<u>PV valve set pressure within 10% of working pressure or at least 0.5 psig</u>	<u>BAAQMD 8-5-403</u>	<u>P/SA</u>	<u>Inspection</u>
	<u>BAAQMD 8-5-303.2</u>	<u>Y</u>		<u>gas tight (< 500 ppm) except when operating pressure exceeds the valve set pressure</u>	<u>BAAQMD 8-5-403</u>	<u>P/SA</u>	<u>Inspection</u>
VOC		<u>Y</u>		<u>None</u>	<u>BAAQMD 8-5-501.1</u>	<u>P/E</u>	<u>Records of liquids stored and TVPs</u>
<u>Benzene in Waste</u>	<u>40 CFR 61.342(e)(2)(i)</u>	<u>Y</u>		<u>Uncontrolled benzene < 6 megagrams/year</u>	<u>40 CFR 61.357(d)(5)</u>	<u>P/A</u>	<u>Report</u>
VOC	<u>40 CFR 61.349(g)</u>	<u>Y</u>		<u>First effort to repair visible defects within 5 days after detection; repair complete within 15 days except as allowing by 40 CFR 61.350</u>	<u>40 CFR 61.349(f)</u>	<u>P/Q</u>	<u>Visual inspection</u>
VOC	<u>BAAQMD</u>	<u>Y</u>		<u>Emissions of NMHC <</u>	<u>BAAQMD</u>	<u>P/SA</u>	<u>Calculations</u>

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – SO
Applicable Limits and Compliance Monitoring Requirements
S27, RECOVERED OIL TANK -TK-4612A (FOR S66)
S67, RECOVERED OIL TANK -TK-4612B (FOR S41)
ABATED BY PV-VALVE A31 AND/OR S24 VIA S66 AND S41, RESPECTIVELY

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
	Condition 1240, part I.14			42.705 tons per year	Condition 1240, parts I.18a, I.18e and I.18j		

Table VII – VP
Applicable Limits and Compliance Monitoring Requirements
S31, RAIL CAR GGAS 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 <u>Temperature</u> <u>CPMS</u>
<u>VOC</u>	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
<u>VOC</u>	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
<u>VOC</u>	BAAQMD 8-6-	Y		Leaks during transfer	BAAQMD	P/Q	Inspection

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – VP
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
	306			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.	Condition 1240, part II.72b		
VOC	BAAQMD 8-15-305	Y		None	BAAQMD 8-15-501	P/E	Records
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	<u>Condition 1240, part II.32a</u>	<u>Y</u>		<u>98.5% control efficiency when S31 whenever petroleum and VOC materials are transferred</u>	<u>Condition 1240, part II.58b</u>	<u>C</u>	<u>Temperature CPMS</u>
VOC	<u>Condition 1240, part II.94</u>	<u>Y</u>		<u>Contain emissions in closed vent system whenever the vapor recovery blower is not operating, as long as no P/V valve is lifting.</u>	<u>Condition 1240, part II.94</u>	<u>P/E (every 8 hours)</u>	<u>Pressure monitoring whenever vapor recovery blower is not operating</u>
					<u>Condition 1240, part II.95</u>	<u>P/E</u>	<u>Records</u>
	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 – ~~VP~~
Applicable Limits and Compliance Monitoring Requirements
S31, RAIL CAR ~~GGAS~~ 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
<u>VOC</u>	BAAQMD Condition #1240, part II.72	Y		Vapor pressure < 1.5 psia	BAAQMD Condition #1240, part II.75	P/M	records
<u>Vapor pressure</u>	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- 1- 301	NY		Ringelmann No. 1 for no more than 3 minutes in any hour	BAAQMD Condition #1240, II.58b	C	Temperature monitoring Temperature <u>CPMS</u>
<u>Opacity</u>	<u>SIP</u> <u>6-301</u>	<u>Y</u>		<u>Ringelmann No. 1 for no more than 3 minutes in any our</u>	<u>Condition</u> <u>1240, II.58b</u>	<u>C</u>	<u>Temperature</u> <u>CPMS</u>
FP	BAAQMD 6- 1- 310	NY		0.15 gr/dscf	BAAQMD Condition #1240, II.58b	C	Temperature monitoring Temperature <u>CPMS</u>
<u>FP</u>	<u>SIP</u> <u>6-310</u>	<u>Y</u>		<u>0.15 gr/dscf</u>	<u>Condition</u> <u>1240, II.58b</u>	<u>C</u>	<u>Temperature</u> <u>CPMS</u>
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 – ~~WQ~~
Applicable Limits and Compliance Monitoring Requirements
S34, TANK HEATER

VII. Applicable Limits and Compliance Monitoring Requirements

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

Table VII- 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
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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 1.14	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 1.14	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 - ZR
Applicable Limits and Compliance Monitoring Requirements
S41, WEMCO HYDROCLEANER

VII. Applicable Limits and Compliance Monitoring Requirements

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
	0-CFR 61.347 a)(1)(i)(A)			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(e)(1)	C	Temperature measurement
	40-CFR 61.349(a) (2)(i)(A)	Y		95% control (by S24)	40-CFR 61.354(e)(4)	C	Temperature measurement
	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	<u>BAAQMD 8-8-303</u>	<u>Y</u>		<u>Vapor tight gauging and sampling devices</u>	<u>BAAQMD 8-8-504</u> <u>8-8-603</u> <u>SIP 8-8-603</u>	<u>N</u>	<u>Method 21 portable hydrocarbon detector</u>
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 – ZR
Applicable Limits and Compliance Monitoring Requirements
S41, WEMCO HYDROCLENER

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	<u>Condition 1240, parts II.32a</u>	<u>Y</u>		<u>98.5% destruction of vapors by weight whenever petroleum and VOC materials are stored or transferred</u>	<u>Condition 1240, part II.58b</u>	<u>C</u>	<u>Temperature CPMS</u>
Through-put	BAAQMD Condition 1240, part II.92	Y		77,263,000 gallons per year	BAAQMD Condition 1240, part II.92a	P/M	Records
VOC	<u>Condition 1240, part II.93</u>	<u>Y</u>		<u>Contain emissions in closed vent system whenever the vapor recovery blower is not operating, as long as no P/V valve is lifting.</u>	<u>Condition 1240, part II.93</u>	<u>P/E (every 8 hours)</u>	<u>Pressure monitoring whenever vapor recovery blower is not operating</u>
					<u>Condition 1240, part II.95</u>	<u>P/E</u>	<u>Records</u>

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(e)	Y		0 percent opacity except for one consecutive 15 min	40 CFR 60.473(e) and	C	Temperature monitoring

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
				period in any 24-hr period for clearing	BAAQMD Condition #1240, II.58b		
FP	BAAQMD 6-310	Y		0.15-gr/dsef	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.18e and I.18j	P/SA	Calculations
	BAAQMD Condition #1240, part II.50	Y		Vapor pressure may not exceed 0.50 psia	BAAQMD Condition #1240, II.58	P/M	Records
	BAAQMD Condition #1240, part II.56	Y		98.5% destruction of vapors	BAAQMD Condition 1240, part II.58b	C	Temperature monitoring
Throughput 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

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

VII. Applicable Limits and Compliance Monitoring Requirements

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 8-15-305			None	BAAQMD 8-15-501	P/E	Records
<u>VOC</u>	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
<u>VOC</u>	<u>Condition 1240, parts II.32a</u>	<u>Y</u>		<u>98.5% destruction of vapors by weight whenever petroleum and VOC materials are stored or transferred</u>	<u>Condition 1240, part II.58b</u>	<u>C</u>	<u>Temperature CPMS</u>
	BAAQMD Condition #1240, part II.70	Y		98.5% destruction of vapors by weight	BAAQMD Condition 1240, part II.58b	C	Temperature monitoring
<u>VOC</u>	BAAQMD Condition #1240, part II.71	Y		Vapor pressure < 0.5 psia except allowable kerosene	BAAQMD Condition #1240, part II.75	P/M	records
<u>VOC</u>	<u>Condition 1240, part II.94</u>	<u>Y</u>		<u>Contain emissions in closed vent system whenever the vapor recovery blower is not operating, as long as no P/V valve is lifting.</u>	<u>Condition 1240, part II.94</u>	<u>P/E (every 8 hours)</u>	<u>Pressure monitoring whenever vapor recovery blower is not operating</u>
					<u>Condition 1240, part II.95</u>	<u>P/E</u>	<u>Records</u>
Opacity	BAAQMD 6- 1 -301	NY		Ringelmann No. 1 for no more than 3 minutes in any hour	BAAQMD Condition #1240, part II.58b	C	Temperature monitoring <u>Temperature CPMS</u>
<u>Opacity</u>	<u>SIP 6-301</u>	<u>Y</u>		<u>Ringelmann No. 1 for no more than 3 minutes in any hour</u>	<u>Condition 1240, II.58b</u>	<u>C</u>	<u>Temperature CPMS</u>
FP	BAAQMD 6- 1	NY		0.15 gr/dscf	BAAQMD	C	Temperature

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – ABS
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
	310				Condition #1240, part II.58b		Temperature monitoring CPMS
FP	SIP 6-310	Y		0.15 gr/dscf	Condition 1240, part II.58b	C	Temperature CPMS
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

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	C	Temperature monitoring

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
					H.58b		
	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 H.32e	P/SA	EPA Method 21
VOC	40 CFR 60.112b(a) (3)(ii)	Y		95% control of inlet VOC	BAAQMD Condition 1240, part H.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.18e and I.18j	P/SA	Calculations
	BAAQMD Condition 1240, part H.31	Y		Vapor pressure shall not exceed 1.5 psia	BAAQMD Condition 1240, part H.31a	P/A	determination of vapor pressure
	BAAQMD Condition 1240, part H.32b	Y		98.5% destruction of vapors	BAAQMD Condition 1240, part H.58b	C	Temperature monitoring
Through-put	BAAQMD Condition 1240, part	Y		<68,208,000 gallons in any consecutive 12-month period for S13, S59, and	BAAQMD Condition 1240, part	P/M	records

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
	H.33a			S63 total	H.34		

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, H.58b	C	Temperature monitoring
	40 CFR 60.472(e)	Y		0 percent opacity except for one consecutive 15-min period in any 24-hr period for clearing	40 CFR 60.472(e) and BAAQMD Condition #1240, H.58b	C	Temperature monitoring
FP	BAAQMD 6-310	Y		0.15-gr/dscf	BAAQMD Condition #1240, H.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.18e and I.18j	P/SA	calculations
	BAAQMD Condition #1240, part H.51	Y		Vapor pressure may not exceed 0.49 psia	BAAQMD Condition #1240, part H.58	P/M	Records

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
	BAAQMD Condition #1240, part H.57	Y		98.5% destruction of vapors	BAAQMD Condition 1240, part H.58b	C	Temperature monitoring
Through-put limit	BAAQMD Condition #1240, part H.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 H.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
	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 H.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	P/E	Records of

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
					8-5-501.1		liquids stored and TVPs
VOC	40 CFR 60.112b(a) (3)(ii)	Y		95% control of inlet VOC	BAAQMD Condition 1240, part H.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 H.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.18e and I.18j	P/SA	calculations
	BAAQMD Condition 1240, part H.31	Y		Vapor pressure shall not exceed 1.5 psia	BAAQMD Condition 1240, part H.31a	P/A	determination of vapor pressure
VOC	BAAQMD Condition 1240, part H.32e	Y		98.5% destruction of vapors	BAAQMD Condition 1240, part H.58b	C	Temperature monitoring
OC	AAQMD Condition 1240, part H.32d			no detectable fugitive organic emissions in excess of 100 ppmv, measured as total organic compounds	AAQMD 8-18-116	/A	one
Throughput	BAAQMD Condition 1240, part H.33a	Y		< 68,208,000 gallons in any consecutive 12-month period for S13, S59, and S63 total	BAAQMD Condition 1240, part H.34	P/M	records

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
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(e)	Y		0 percent opacity except for one consecutive 15-min period in any 24-hr period for clearing	40 CFR 60.473(e) 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.18e 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-	BAAQMD	Y		6,738,349 barrels/yr total	BAAQMD	P/M	Records

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
put limit	Condition #1240, part H.48			for S5, S6, S7, S8, S37, S38, S51, S52, S53, S60, S61, S62, and S65	Condition #1240, part H.58		

Table VII – AGT
Applicable Limits and Compliance Monitoring Requirements
S66, OIL WATER SEPARATOR
ABATED BY A31 AND/OR S24

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 H.58b	C	Temperature monitoring Temperature CPMS
<u>VOC</u>	<u>BAAQMD 8-8-303</u>	<u>Y</u>		<u>Vapor tight gauging and sampling devices</u>	<u>BAAQMD 8-8-504 8-8-603 SIP 8-8-603</u>	<u>N</u>	<u>Method 21 portable hydrocarbon detector</u>
				No cracks		P/Q	Visual

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – AGT
Applicable Limits and Compliance Monitoring Requirements
S66, OIL WATER SEPARATOR
ABATED BY A31 AND/OR S24

Type of Limit	Citation of Limit		FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
	0-CFR 61.347(b)				or gaps between cover and O/W separator wall; access hatches and other openings closed and gasketed properly	0-CFR 61.347(b)		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
	40-CFR 61.349(a) (2)(i)(A)	Y			95% control (by A31)	40-CFR 61.354(e)(1)	C	Temperature monitoring
	40-CFR 61.349(a) (2)(i)(A)	Y			95% control (by S24)	40-CFR 61.354(e)(1)	C	Temperature measurement
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
<u>VOC</u>	<u>Condition 1240, part II.32a</u>	<u>Y</u>			<u>98.5% control efficiency when S31 whenever petroleum and VOC materials are transferred</u>	<u>Condition 1240, part II.58b</u>	<u>C</u>	<u>Temperature CPMS</u>
	BAAQMD	Y			98.5% destruction of vapors	BAAQMD	C	Temperature

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – AGT
Applicable Limits and Compliance Monitoring Requirements
S66, OIL WATER SEPARATOR
ABATED BY A31 AND/OR S24

Type of Limit	Citation of Limit		FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
	Condition 1240, part II.85				(by S24 or A31)	Condition 1240, part II.58b		monitoring
	BAAQMD Condition 1240, part II.86	Y			No detectable fugitive emissions in excess of 100 ppm in vapor recovery system	AAQMD 8-18-116	A	one
<u>VOC</u>	<u>Condition 1240, part II.93</u>	<u>Y</u>			<u>Contain emissions in closed vent system whenever the vapor recovery blower is not operating, as long as no P/V valve is lifting.</u>	<u>Condition 1240, part II.93</u>	<u>P/E (every 8 hours)</u>	<u>Pressure monitoring whenever vapor recovery blower is not operating</u>
						<u>Condition 1240, part II.95</u>	<u>P/E</u>	<u>Records</u>
Through-put limit	<u>BAAQMD Condition #1240, part II.83</u>	<u>Y</u>			<u>110,376,000 gallons/yr</u>	<u>BAAQMD Condition #1240, II.87 and II.88</u>	<u>P/M</u>	<u>Records</u>

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
<u>VOC</u>	<u>BAAQMD 8-5-303.1</u>	<u>Y</u>		<u>PV valve set pressure within 10% of working</u>	<u>BAAQMD 8-5-403</u>	<u>P/SA</u>	<u>Inspection</u>

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
				pressure or at least 0.5 psig			
	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 H.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(e)	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		Cap 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(e)(1)	C	Temperature measurement
	40 CFR 61.349(a)(2)(i)(A)	Y		95% control (by S24)	40 CFR 61.354(e)(4)	C	Temperature measure-

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 Condition 1240, part 1.14	Y		Emissions of NMHC < 42.705 tons per year	BAAQMD Condition 1240, parts 1.18a, 1.18e and 1.18j	P/SA	Calculations

Table VII – AIU
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 6-1-303.1	N Y		Ringelmann No. 2 for no more than 3 minutes in any hour	None	N	N/A
<u>Opacity</u>	<u>SIP 6-303.1</u>	<u>Y</u>		<u>Ringelmann No. 2 for no more than 3 minutes in any hour</u>	<u>None</u>	<u>N</u>	<u>N/A</u>
FP	BAAQMD 6-1-310	N Y		0.15 gr/dscf	None	N	N/A
<u>FP</u>	<u>SIP 6-310</u>	<u>Y</u>		<u>0.15 gr/dscf</u>	<u>None</u>	<u>N</u>	<u>N/A</u>
Hours of operation	BAAQMD 9-8-330.2	N		up to 100 hours for reliability testing	BAAQMD 9-8-530	C P/M	<u>Totalizing meter for hours of operation records</u>
					<u>BAAQMD 9-8-520.1 & 9-1-530</u>	<u>M</u>	<u>Records</u>

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – ~~AU~~
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
Hours of operation	BAAQMD 9-8-330.3	N	1/1/2012	up to 50 hours for reliability testing	BAAQMD 9-8-530	C	Totalizing meter for hours of operation
					BAAQMD 9-8-520.1 & 9-1-530	M	Records
Hours of operation	BAAQMD 9-8-330	N		unlimited hours in case of emergency	BAAQMD 9-8-530	P/M	records
Hours of Operation	CCR, Title 17, Section 93115.3(n)	N		≤ 34 hours/year for reliability-related activities	CCR, Title 17, Section 93115.10(e)(1)	C	Totalizing meter for hours of operation
					CCR, Title 17, Section 93115.10(g)	M	Records
Hours of Operation	BAAQMD Condition 22851, Part 1	Y		≤ 34 hours/year for reliability-related activities	BAAQMD Condition 22851, Part 3	C	Totalizing meter for hours of operation and records
					BAAQMD Condition 22851, Part 4	M	Records
NOx/NOx	BAAQMD Condition 1240, part I.14	Y		Emissions of NOx/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
SO2	BAAQMD Condition	Y		Emissions of SO2 < 28.049 tons per year	None	N	N/A

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – AIU
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
	1240, part I.14						
<u>SO2</u>	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

Table VII – AJV
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 6-1 301	N 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
<u>Opacity</u>	<u>SIP</u> <u>6-301</u>	<u>Y</u>		<u>Ringelmann No. 1 for no more than 3 minutes in any hour</u>	<u>Condition</u> <u>1240, II.58b</u>	<u>C</u>	<u>Temperature</u> <u>CPMS</u>
FP	BAAQMD 6-1 310	N Y		0.15 gr/dscf	None	N	N/A
<u>FP</u>	<u>SIP</u> <u>6-310</u>	<u>Y</u>		<u>0.15 gr/dscf</u>	<u>None</u>	<u>N</u>	<u>N/A</u>
<u>PM</u>	BAAQMD 6-1 311	N Y		4.10P ^{0.67} lb/hr, where P is process weight, ton/hr	None	N	N/A

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – ~~AJV~~
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
<u>PM</u>	<u>SIP 6-311</u>	<u>Y</u>		<u>4.10P^{0.67} lb/hr, where P is process weight, ton/hr</u>	<u>None</u>	<u>N</u>	<u>N/A</u>
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 – ~~AKW~~
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 6-1-301	NY		Ringelmann No. 1 for no more than 3 minutes in any hour	BAAQMD Condition #1240, part II.58b	C	Temperature monitoring Temperature CPMS
<u>Opacity</u>	<u>SIP 6-301</u>	<u>Y</u>		<u>Ringelmann No. 1 for no more than 3 minutes in any hour</u>	<u>Condition 1240, II.58b</u>	<u>C</u>	<u>Temperature</u> <u>CPMS</u>
	40 CFR 40 CFR, Part 60.472(c)	Y		0 percent opacity except for one consecutive 15-min period in any 24-hr period for cleaning	40 CFR 40 CFR, Part 60.473(c) <u>60.474(c)(5)</u> and BAAQMD Condition #1240, part II.58b	C	Temperature monitoring Temperature CPMS
FP	BAAQMD 6-1-310	NY		0.15 gr/dscf	BAAQMD Condition	C	Temperature monitoring Temperature CPMS

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – ~~AKW~~
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
					#1240, part II.58b		<u>Temperature CPMS</u>
<u>FP</u>	<u>SIP 6-310</u>	<u>Y</u>		<u>0.15 gr/dscf</u>	<u>Condition 1240, part II.58b</u>	<u>C</u>	<u>Temperature CPMS</u>
VOC	BAAQMD 8-15-305			None	BAAQMD 8-15-501	P/E	Records
<u>VOC</u>	<u>BAAQMD 8-15-305</u> <u>BAAQMD Condition 1240, part I.14</u>	Y		Emissions of NMHC < 42.705 tons per year	BAAQMD Condition 1240, parts I.18a, I.18c and I.18j	P/SA	Calculations
<u>VOC</u>	<u>BAAQMD 8-15-305</u> <u>BAAQMD Condition #1240, part II.50</u>	Y		Vapor pressure may not exceed 0.5 psia	BAAQMD Condition #1240, part II.58	P/M	Records
<u>VOC</u>	<u>Condition 1240, part II.32a</u>	<u>Y</u>		<u>98.5% control efficiency when S31 whenever petroleum and VOC materials are transferred</u>	<u>Condition 1240, part II.58b</u>	<u>C</u>	<u>Temperature CPMS</u>
	BAAQMD Condition #1240, part II.55	Y		98.5% destruction of vapors	BAAQMD Condition 1240, part II.58b	C	Temperature monitoring
<u>VOC</u>	<u>Condition 1240, part II.94</u>	<u>Y</u>		<u>Contain emissions in closed vent system whenever the vapor recovery blower is not operating, as long as no P/V valve is lifting.</u>	<u>Condition 1240, part II.94</u>	<u>P/E (every 8 hours)</u>	<u>Pressure monitoring whenever vapor recovery blower is not operating</u>

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – ~~AKW~~
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
					Condition 1240, part II.95	P/E	Records
Through-put	BAAQMD Condition 20278, part 1	Y		400,000 tons in any 12 months	BAAQMD Condition 20278, part 6	P/D	records

Table VII – ~~ALX1~~
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/minimization)	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

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – ~~ALX1~~
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 8-18-302.3 8-18-306.4	N		Mass emission rate \leq 15 lb/day for valve with major leak (\geq 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 \leq 15 lb/day for valve with major leak (\geq 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
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 \leq 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	BAAQMD 8-28-402 &	P/E (5 working	Method 21 Inspection

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – ~~ALX1~~
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										
				≤ 500 ppm	8-18-401.8	days after release)	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										
VOC	BAAQMD 8-18-306.2 8-18-306.3 8-18-306.4	N		Maximum percentage awaiting repair <table border="1"> <thead> <tr> <th>Components</th> <th>%</th> </tr> </thead> <tbody> <tr> <td>Valves (including with major leaks) and connectors per 8-18-306.3</td> <td>0.30</td> </tr> <tr> <td>Valves with major leaks per 8-18-306.4</td> <td>0.025</td> </tr> <tr> <td>Pressure Reliefs</td> <td>1.0</td> </tr> <tr> <td>Pumps and Compressors</td> <td>1.0</td> </tr> </tbody> </table>	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
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																
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	Method 21 Inspection										

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – ~~ALX1~~
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
						b)	
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
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
OC	AAQMD 8-28-303.2			Implement Process Safety Requirements for PRDs	AAQMD 8-28-405-28-502.1	/A	Process Safety Requirements, records
OC	AAQMD 28-304.1			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	AAQMD 28-304.1-28-405	/E 90 day after release)	HA MP Report
				After 2nd		/E 120 day after release)	Install tamper-proof indicators

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – ~~ALX1~~
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
OC	AAQMD 8-28-304.2			release from any PRD on the same source in 5 years; Vent Pressure Relief Devices to an Abatement Device with 95% destruction efficiency	one	/E (within 1 yr)	/A
OC	AAQMD 8-28-402.1			If equipped with tell-tail indicator, inspect atmospheric PRD for leak indicated by tell-tail indicator	AAQMD 28-402.1 28-502.3	/D until PRD equipped with monitoring system	visual inspection & records
OC	AAQMD 28-402.2			Reinspect PRD after release event	AAQMD 28-402.2	/5 days after release event	method 21 inspection
OC	AAQMD 8-28-503			Monitor atmospheric PRDs using monitoring system	AAQMD 28-503 28-502.4		monitoring system records
OC	IP 28-303.2			Pressure Relief Devices to meet Prevention Measures Procedures	IP 28-405 28-403.1	/A	Prevention Measures Procedures, Records
OC	IP			After first release of PRD in 5-year period, conduct and submit	IP	/E	HA

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – ~~ALX1~~
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
	28-304.1			PHA, meet Prevention Measure Procedures, conduct failure analysis, and install tamperproof tell-tail indicators	28-304.1 & 28-405	90 day after release)	MP Report
						/E	install tamper-proof indicators
OC	IP 28-304.2			After 2nd release of PRD on the same source in 5 years; Vent Pressure Relief Devices to an Abatement Device with 95% destruction efficiency	one	/E (within 1 yr)	/A
OC	IP 8-28-402			Reinspect PRD after release event	IP 8-28-402	/5 days after release event	ethod 21 nspection
VOC	40-CFR40 CFR, Part 60.482-2 (b)(1)	Y		LL Pump leak < 10,000 ppm	40-CFR40 CFR, Part 60.482-2 (a)(1)	P/M	Method 21 Inspection
VOC	40-CFR40 CFR, Part 60.482-2 (b)(2)	Y		Pump leak Indicated by dripping liquid	40-CFR40 CFR, Part 60.482-2 (a)(2)	P/W	Visual Inspection
VOC	40-CFR40 CFR, Part 60.482-2(e)	Y		Pump designated for “No detectable emissions” pursuant to 40-CFR40 CFR, Part 60.486(e) , < 500 ppm	40-CFR40 CFR, Part 60.482-2(e)(3)	P/A	Method 21 Inspection
<u>VOC</u>	40-CFR40 CFR,	Y		Compressor shall have a	40-CFR40	C	Sensor with

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – ~~ALX1~~
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
	Part 60.482-3(d)			sensor to detect failure of seal system, barrier fluid system, or both	CFR, Part 60.482-3 (e)(1)	or P/D	audible alarm or checked daily
VOC	40-CFR 40 CFR, Part 60.482-3(i)	Y		Compressor designated for “No detectable emissions” pursuant to 40-CFR 40 CFR, Part 60.486(e) , < 500 ppm	40-CFR 40 CFR, Part 60.482-3(i)(2)	P/A	Method 21 Inspection
VOC	40-CFR 40 CFR, Part 60.482-4(a)	Y		Pressure relief valve (gas/vapor) not vented to abatement < 500 ppm	None	N	N/A
VOC	40-CFR 40 CFR, Part 60.482-4(b)(1)	Y		Pressure relief valve (gas/vapor) not vented to abatement < 500 ppm after a pressure release event	40-CFR 40 CFR, Part 60.482-4(b)(2)	P/E (5 days)	Method 21 Inspection
VOC	40-CFR 40 CFR, Part 60.482-7(b)	Y		Valve leak < 10,000 ppm	40-CFR 40 CFR, Part 60.482-7(a)	P/M	Method 21 Inspection
VOC	40-CFR 40 CFR, Part 60.482-7(b)	Y		Valve leak < 10,000 ppm; 2 successive months	40-CFR 40 CFR, Part 60.482-7(c)(i)	P/Q	Method 21 Inspection
VOC	40-CFR 40 CFR, Part 60.482-7(f)	Y		Valve designated “No detectable emissions” leak < 500 ppm	40-CFR 40 CFR, Part 60.482-7 (f)(3)	P/A	Method 21 Inspection
VOC	40-CFR 40 CFR, Part 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 40 CFR, Part 60.482-8(a)	P/E	Visible, Audible, or olfactory Inspection
VOC	40-CFR 40 CFR, Part 60.482-8 (b)	Y		Pumps and Valves (heavy liquid), Pressure Relief Devices (liquid), Flanges,	40-CFR 40 CFR, Part 60.482-8(a)	P/(5 days after leak noted by	Visual, audible, olfactory

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – ~~ALX1~~
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
				Connectors leak < 10,000 ppm		visual, audible, or olfactory inspection)	Inspection; Measure for leaks
VOC	40 CFR <u>40 CFR, Part 60.482-9 (d)</u>	Y		Pumps under “Delay of repair” repaired within 6 months	None	N	N/A
VOC	40 CFR <u>40 CFR, Part 60.482-10 (g)</u>	Y		Closed vent leak < 500 ppm	40 CFR <u>40 CFR, Part 60.482-10 (f)(1)(i)</u>	Initial Inspection Only	Method 21 inspection
VOC	40 CFR <u>40 CFR, Part 60.482-10 (g)</u>	Y		Closed vent system - no visible, audible, olfactory evidence of leak	40 CFR <u>40 CFR, Part 60.482-10 (f)(1)(ii)</u>	P/A	Visual Inspection
VOC	40 CFR <u>40 CFR, Part 60.482-10 (g)</u>	Y		Repair closed-vent systems leak (> 500 ppm for initial inspection only) or visible, audible, or olfactory leak indication. 1 st repair attempt 5 day, repaired 15 days, or turnaround list	40 CFR <u>40 CFR, Part 60.482-10 (f)</u>	P/When detectable emissions are measured or leak indication is observed	Repairs
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 <u>40 CFR, Part 60.483-2(b)(3)</u> (See footnote c)	P/A (if criteria are met)	Method 21 inspection
VOC		Y		Individual valve that measures <10,000 ppm for	40 CFR <u>40 CFR, Part</u>	SA (if criteria	Method 21 Inspection

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – ~~ALX1~~
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
				2 consecutive quarters may be monitored semiannually, if in a process unit with 2 consecutive quarters <2% valves leaking $\geq 10,000$ ppm.	60.483-2(b)(2) (footnote c)	are met)	
VOC	40-CFR 40 CFR, Part 61.343 (a)(1)(i)(A)	Y		Tanks fittings leak ≤ 500 ppm	40-CFR 40 CFR, Part 61.343 (a)(1)(i)(A)	P/A	Method 21 Inspection
VOC	40-CFR 40 CFR, Part 61.345 (a)(1)(i)	Y		Container fittings leak \leq to 500 ppm	40-CFR 40 CFR, Part 61.345 (a)(1)(i)	P/A	Method 21 Inspection
VOC	40-CFR 40 CFR, Part 61.347 (a)(1)(i)(A)	Y		O/W Separator fittings leak ≤ 500 ppm	40-CFR 40 CFR, Part 61.347 (a)(1)(i)(A)	P/A	Method 21 Inspection
<u>VOC</u>	40-CFR 40 CFR, Part 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 40 CFR, Part 61.347(b)	P/Q	Visual inspection
VOC	40-CFR 40 CFR, Part 61.349 (a)(1)(i)	Y		Closed-vent systems <500 ppm above background	40-CFR 40 CFR, Part 61.349 (a)(1)(i)	P/A	Method 21 Inspection
<u>VOC</u>	40-CFR 40 CFR, Part 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 40 CFR, Part 61.350	40-CFR 40 CFR, Part 61.349(f)	P/Q	Visual inspection
VOC	<u>BAAQMD</u>	Y		Emissions of NMHC <	<u>BAAQMD</u>	P/M	Calculations

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – ~~ALX1~~
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
	Condition 1240, part I.14			42.705 tons per year	Condition 1240, parts I.18a, I.18b and I.18j		
OC	AAQMD Condition 1240, part H.32d			S-63, no detectable fugitive organic emissions in excess of 100 ppmv in vapor recovery system, measured as total organic compounds	AAQMD 8-18-116	A	one
OC	AAQMD Condition 1240, part H.44			S-3, no detectable fugitive organic emissions in excess of 100 ppmv in vapor recovery system, measured as total organic compounds	AAQMD 8-18-116	A	one
OC	AAQMD Condition 1240, part H.53			S-65, no detectable fugitive organic emissions in excess of 100 ppmv in vapor recovery system, measured as total organic compounds	AAQMD 8-18-116	A	one
	AAQMD Condition 1240, part H.86			S-66, no detectable fugitive organic emissions in excess of 100 ppmv in vapor recovery system, measured as total organic compounds	AAQMD 8-18-116	A	one

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 the annual inspection schedule.

^b Connectors are inspected pursuant to a BAAQMD-approved Connector Inspection Program that satisfies the

VII. Applicable Limits and Compliance Monitoring Requirements

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~~40 CFR, Part 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~~40 CFR, Part 60.483-2 uses a leak definition of 10,000 ppm VOC rather than 100 ppm TOC, and ~~40-CFR~~40 CFR, Part 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.

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – X2
Applicable Limits and Compliance Monitoring Requirements
PRESSURE RELIEF DEVICES SUBJECT TO BAAQMD REGULATION 8, RULE 28

<u>Type of Limit</u>	<u>Citation of Limit</u>	<u>FE Y/N</u>	<u>Future Effective Date</u>	<u>Limit</u>	<u>Monitoring Requirement Citation</u>	<u>Monitoring Frequency (P/C/N)</u>	<u>Monitoring Type</u>
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 2 nd 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
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	SIP 8-28-405	N/A	Prevention Measures

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – X2
Applicable Limits and Compliance Monitoring Requirements
PRESSURE RELIEF DEVICES SUBJECT TO BAAQMD REGULATION 8, RULE 28

				<u>Procedures</u>	<u>8-28-403.1</u>		<u>Procedures, Records</u>
<u>VOC</u>	<u>SIP</u> <u>8-28-304.1</u>	<u>Y</u>		<u>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</u>	<u>SIP</u> <u>8-28-304.1 & 8-28-405</u>	<u>P/E</u> <u>(90 day after release)</u> <u>P/E</u> <u>(120 day after release)</u>	<u>PHA & PMP Report</u> <u>Install tamper-proof indicators</u>
<u>VOC</u>	<u>SIP</u> <u>8-28-304.2</u>	<u>Y</u>		<u>After 2nd release of PRD on the same source in 5 years: Vent Pressure Relief Devices to an Abatement Device with 95% destruction efficiency</u>	<u>None</u>	<u>P/E (within 1 yr)</u>	<u>N/A</u>
<u>VOC</u>	<u>SIP</u> <u>8-28-402</u>	<u>Y</u>		<u>Reinspect PRD after release event</u>	<u>SIP</u> <u>8-28-402</u>	<u>P/5-days after release event</u>	<u>Method 21 Inspection</u>
<u>VOC</u>	<u>BAAQMD</u> <u>8-18-305</u>	<u>Y</u>		<u>Pressure Relief Device with reportable releases < 500 ppm</u>	<u>BAAQMD</u> <u>8-28-402 & 8-18-401.8</u>	<u>P/E</u> <u>(5 working days after release)</u>	<u>Method 21 Inspection w/Report</u>

Table VII – AMY
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/NOx	BAAQMD Condition 1240, part I.14	Y		Emissions of NOx/NOx < 40.047 tons per year	BAAQMD Condition 1240, parts I.18a,-I.18i	P/SA	Calculations

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – ~~AMY~~
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
					and I.18j		
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 CPMS monitoring
VOC	40-CFR40 CFR, Part 60.482-10 (c)	Y		95% destruction of VOC emissions (from S18 PRV vents)	40-CFR40 CFR, Part 60.482-10(e)	N	N/A
VOC	40-CFR40 CFR, Part 60.482-10 (g)	Y		Closed vent system - no visible, audible, olefactory evidence of leak	40-CFR40 CFR, Part 60.482-10 (f)(1)(ii)	P/A	Visual Inspection
VOC	40-CFR40 CFR, Part 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-CFR40 CFR, Part 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
<u>VOC</u>	BAAQMD Condition	Y		Emissions of NMHC < 42.705 tons per year	BAAQMD Condition	C	Temperature CPMS monitoring

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – ~~AMY~~
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
	1240, part I.14				1240, part I.19		oring
	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
<u>VOC</u>	BAAQMD Condition #1240, part II.63	Y		98.5% destruction of vapors by weight (from S15)	BAAQMD Condition 1240, part I.19	C	Temperature CPMS oring
<u>VOC</u>	BAAQMD Condition #1240, part II.68	Y		98.5% destruction of vapors by weight (from S17)	BAAQMD Condition 1240, part I.19	C	Temperature CPMS oring
Opacity	BAAQMD 6-1-301	N Y		Ringelmann No. 1 for no more than 3 minutes in any hour	None	N	N/A
<u>Opacity</u>	<u>SIP</u> <u>6-301</u>	Y		<u>Ringelmann No. 1 for no more than 3 minutes in any hour</u>	<u>Condition 1240, II.58b</u>	C	Temperature <u>CPMS</u>
FP	BAAQMD 6-1-310	N Y		0.15 grain/dscf	BAAQMD Condition 1240, part I.19	C	Temperature CPMS oring
<u>FP</u>	<u>SIP</u> <u>6-310</u>	Y		<u>0.15 grain/dscf</u>	<u>Condition 1240, part I.19</u>	C	Temperature <u>CPMS</u>
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	Y		Minimum Operating Temperature 1400F	BAAQMD Condition 1240, part	C	Temperature CPMS oring

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – ~~AMY~~
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
	I.19				I.19		

Table VII – ~~ANZ~~
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
NOxNOx	BAAQMD Condition 1240, part I.14	Y		Emissions of NOxNOx < 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- 1- 301	NY		Ringelmann No. 1 for no more than 3 minutes in any hour	BAAQMD Condition #1240, part II.58b	C	Temperature CPMS monitoring ring
<u>Opacity</u>	<u>SIP</u> <u>6-301</u>	<u>Y</u>		<u>Ringelmann No. 1 for no more than 3 minutes in any hour</u>	<u>Condition 1240, II.58b</u>	<u>C</u>	<u>Temperature CPMS</u>
Opacity	40 CFR 40 CFR, Part 60.472(c)	Y		0 percent opacity except for one consecutive 15-min period in any 24-hr period for cleaning	40 CFR 40 CFR, Part 60.473(c) and 60.474(c)(4) and BAAQMD Condition	C	Temperature CPMS monitoring ring

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – ANZ
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
					#1240, part II.58b		
FP	BAAQMD 6-1-310	N Y		0.15 gr/dscf	BAAQMD Condition #1240, part II.58b	C	Temperature CPMS monitoring
FP	<u>SIP 6-310</u>	<u>Y</u>		<u>0.15 gr/dscf</u>	<u>Condition 1240, part II.58b</u>	<u>C</u>	<u>Temperature CPMS</u>
VOC	<u>BAAQMD 8-5-306</u>	<u>N</u>		<u>95% control of organic vapors (from S13, S59, S63)</u>	<u>BAAQMD 8-5-502.1 8-5-603</u>	<u>P/A</u>	<u>Source Test</u>
VOC	BAAQMD <u>SIP 8-5-306</u>	Y		95% control of organic vapors (from S13, S59, S63)	BAAQMD Condition 1240, part II.58b	C	Temperature CPMS monitoring
VOC	BAAQMD 8-6-301	Y		21 g/cubic meter (0.17 lb/1000 gallons)	BAAQMD Condition 1240, part II.58b	C	Temperature CPMS monitoring
VOC	BAAQMD 8-8-301.3 and SIP 8-8-301.3	Y		95% combined collection and destruction efficiency <u>(S66)</u>	BAAQMD Condition 1240, part II.58b	C	Temperature CPMS monitoring
VOC	<u>BAAQMD 8-8-305.2</u> <u>SIP 8-8-305.2</u>	<u>Y</u>		<u>70% combined collection and destruction efficiency (S27, S67)</u>	<u>BAAQMD</u> Condition <u>1240, part II.58b</u>	<u>C</u>	<u>Temperature CPMS</u> monitoring
VOC	40-CFR <u>40 CFR Part 60.112b(a) (3)(ii)</u>	Y		95% control of organic vapors (from S13, S59, S63)	BAAQMD Condition 1240, part II.58b	C	Temperature CPMS monitoring
	<u>40-CFR 61.349(a)</u>	<u>Y</u>		<u>95% reduction of organic vapors (from S12, S25,</u>	<u>40-CFR 61.354(e)(1)</u>	<u>C</u>	<u>Temperature monitoring</u>

VII. Applicable Limits and Compliance Monitoring Requirements

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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
	(2)(i)(A)				S28, S41, S66)			
	40 CFR 61.349(a)	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 I.58b	C	Temperature monitoring
VOC	BAAQMD Condition 1240, parts II.32a, b, e	Y			98.5% destruction of organic vapors by weight whenever petroleum and VOC materials are stored or transferred (from S13, S59, S63)	BAAQMD Condition 1240, part II.58b	C	Temperature monitoring
	AAQMD Condition 1240, part II.32d				S63, no detectable fugitive organic emissions in excess of 100 ppmv in vapor recovery system, measured as total organic compounds	AAQMD 8-18-116	P/A	one
VOC	BAAQMD Condition 1240, part II.43	Y			98.5% destruction of organic vapors by weight (from S3) when vapor recovery blower is	BAAQMD Condition 1240, part II.58b	C	Temperature monitoring

VII. Applicable Limits and Compliance Monitoring Requirements

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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
					<u>operating</u>			
	BAAQMD Condition #1240, part H.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 H.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 H.55	Y			98.5% destruction of organic vapors by weight (from S5-8, S37, S38, S70)	BAAQMD Condition 1240, part H.58b	C	Temperature monitoring
	BAAQMD Condition #1240, part H.56	Y			98.5% destruction of organic vapors by weight (from S51-53, S60, S65)	BAAQMD Condition 1240, part H.58b	C	Temperature monitoring
	BAAQMD Condition #1240, part H.57	Y			98.5% destruction of organic vapors by weight (from S61, S62)	BAAQMD Condition 1240, part H.58b	C	Temperature monitoring
	BAAQMD Condition #1240, part H.69	Y			98.5% destruction of organic vapors by weight (from S31)	BAAQMD Condition 1240, part H.58b	C	Temperature monitoring
	BAAQMD Condition #1240, part H.70	Y			98.5% destruction of organic vapors by weight (from S54)	BAAQMD Condition 1240, part H.58b	C	Temperature monitoring
	BAAQMD Condition 1240, part	Y			98.5% destruction of organic vapors by weight (from S66)	BAAQMD Condition 1240, part	C	Temperature monitoring

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – ANZ
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
	II.85				II.58b		
	AAQMD Condition 1240, part II.86			S66, no detectable fugitive organic emissions in excess of 100 ppmv in vapor recovery system, measured as total organic compounds	AAQMD 8-18-116	A	one
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 limit	40-CFR40 CFR, Part 60.113b(c) (1)(ii) & (c)(2)	Y		1400° F Operating Temperature	40-CFR40 CFR, Part 60.112b(c) (c)(2)	C	Temperature CPMS monitoring ring
Temperature limit	40-CFR40 CFR, Part 60.473(c)	Y		1400° F Operating Temperature	40-CFR40 CFR, Part 60.473(c)	C	Temperature CPMS monitoring ring
	40-CFR 61.357(d) (7)(iv)(A)	Y		1400° F Operating Temperature	40-CFR 61.354(e)(1)	C	Temperature monitoring
Temperature limit	BAAQMD Condition 1240, part II.58b	Y		1400° F Operating Temperature	BAAQMD Condition 1240, part II.58b	C	Temperature CPMS monitoring ring

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

VII. Applicable Limits and Compliance Monitoring Requirements

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6- 1 -303.1	Y N		Ringelmann No. 2 for no more than 3 minutes in any hour	None	N	N/A
<u>Opacity</u>	<u>SIP 6-303.1</u>	<u>Y</u>		<u>Ringelmann No. 2 for no more than 3 minutes in any hour</u>	<u>None</u>	<u>N</u>	<u>N/A</u>
FP	BAAQMD 6- 1 -310	<u>N</u>		0.15 gr/dscf	None	N	N/A
<u>FP</u>	<u>SIP 6-310</u>	<u>Y</u>		<u>0.15 gr/dscf</u>	<u>None</u>	<u>N</u>	<u>N/A</u>
Hours of operation	BAAQMD 9-8-330.2	N		up to 100 hours for reliability testing	BAAQMD 9-8-530	P/M C	records Totalizing meter for hours of operation
					<u>BAAQMD 9-8-520.1 & 9-1-530</u>	<u>M</u>	<u>Records</u>
<u>Hours of operation</u>	<u>BAAQMD 9-8-330.3</u>	<u>N</u>	<u>1/1/2012</u>	<u>< 50 hours for reliability testing</u>	<u>BAAQMD 9-8-530</u>	<u>C</u>	<u>Totalizing meter for hours of operation</u>
					<u>BAAQMD 9-8-520.1 & 9-1-530</u>	<u>M</u>	<u>Records</u>
<u>Hours of operation</u>	BAAQMD 9-8-330	N		unlimited hours in case of emergency	BAAQMD 9-8-530	P/M	records
<u>Hours of Operation</u>	<u>CCR, Title 17, Section 93115.6(b)(3)(A)(2)(b)</u>	<u>N</u>		<u><= 50 hours/year for reliability-related activities</u>	<u>CCR, Title 17, Section 93115.10(e)(1)</u>	<u>C</u>	<u>Totalizing meter for hours of operation</u>
					<u>CCR, Title 17, Section 93115.10(g)</u>	<u>M</u>	<u>Records</u>
<u>Hours of operation</u>	BAAQMD Condition 22928 Part 1	Y		up to 50 hours for reliability testing	BAAQMD Condition 22928 Part 3 <u>2</u>	C/P/M <u>C/P/M</u>	records <u>Totalizing meter for hours of operation records</u>

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – ~~AQAA~~
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
					BAAQMD Condition 22928 Part 3	P/M	records
NOX NO _x	BAAQMD Condition 1240, part I.14	Y		Emissions of NOX NO _x < 40.047 tons per year	BAAQMD Condition 1240, parts I.18a, I.18i and I.18j	P/SA	Calculations
SO ₂	BAAQMD 9-1-304	Y		Fuel Sulfur Limit 0.5% by weight	BAAQMD Condition 18796, Part 1	P/E	fuel certification
SO₂	BAAQMD Condition 1240, part I.14	Y		Emissions of SO ₂ < 28.049 tons per year	None	N	N/A
SO₂	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

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 6-1-301 SIP 6-301	Ringelmann No. 1 Limitation	Manual of Procedures, Volume I, Evaluation of Visible Emissions
BAAQMD 6-1-303.1 SIP 6-303.1	Ringelmann No. 2 Limitation	Manual of Procedures, Volume I, Evaluation of Visible Emissions
BAAQMD 6-1-310 SIP 6-310	Particulate Weight Limitation	Manual of Procedures, Volume IV, ST-15, Particulates Sampling or EPA Reference Method 5 (40 CFR 40 CFR, Part 60 , Appendix A), Determination of Particulate Emissions from Stationary Sources
BAAQMD 6-1-311 SIP 6-311	General Operations	Manual of Procedures, Volume IV, ST-15, Particulates Sampling or EPA Reference Method 5 (40 CFR 40 CFR, Part 60 , Appendix A), Determination of Particulate Emissions from Stationary Sources
BAAQMD 8-5-117 8-5-601 8-5-602 8-5-604	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 or c
BAAQMD 8-5-301 8-5-601 8-5-602 8-5-604	Storage Tanks Control Requirements – based on true vapor pressure	Manual of Procedures, Volume III, Lab Method 28, Determination of Vapor Pressure of Organic Liquids from Storage Tanks, if organic compound is not listed in Table I or Manual of Procedures, Volume III, Lab Method 13 for Reid Vapor Pressure
BAAQMD 8-5-303.2 8-5-206 8-5-403.1 8-5-605	Pressure vacuum valve leak concentration gas-tight determination (<500 ppm as methane)	EPA Reference Method 21 (40 CFR 40 CFR, Part 60 , Appendix A), Determination of Volatile Organic Compound Leaks

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**Table VIII
 Test Methods**

Applicable Requirement	Description of Requirement	Acceptable Test Methods
BAAQMD 8-5-303.2 8-5-502.1 8-5-603	Pressure vacuum valve vented to vapor recovery or disposal system (95% abatement requirement)	Manual of Procedures, Volume IV, ST-7, Non-Methane Organic Carbon Sampling
BAAQMD 8-5-304.6.1 8-5-206 8-5-412 8-5-605	External Floating Roof Leaking Pontoons gas-tight determination (<100 ppm as methane)	EPA Reference Method 21 (40 CFR40 CFR, Part 60, Appendix A), Determination of Volatile Organic Compound Leaks
BAAQMD 8-5-306.1 8-5-502 8-5-502.1 8-5-603	Requirements for Approved Emission Control Systems (95% control requirement)	Manual of Procedures, Volume IV, ST-7, Non-Methane Organic Carbon Sampling 4, Bulk Gasoline Distribution Facility Baseline emissions: API Bulletin 2518
BAAQMD 8-5-307.3 8-5-403.2 8-5-605	Pressure relief device gas tight determination (< 500 ppm as methane)	EPA Reference Method 21 (40 CFR40 CFR, Part 60, Appendix A), Determination of Volatile Organic Compound Leaks
BAAQMD 8-5-307.3 8-5-502.1 8-5-603	Pressure relief device vented to vapor recovery or disposal system (95% abatement requirement)	Manual of Procedures, Volume IV, ST-7, Non-Methane Organic Carbon Sampling
BAAQMD 8-5-328.1.2 8-5-502.2 8-5-603	VOC emissions for tank degassing (90% abatement requirement)	Manual of Procedures, Volume IV, ST-7, Non-Methane Organic Carbon Sampling
BAAQMD 8-5-328.1.2 8-5-605	VOC emissions for tank degassing (organic concentration < 10,000 ppm as methane after degassing Measurements less than 10,000 ppm as methane are required for at least four consecutive measurements performed at intervals no shorter than 15 minutes each.)	EPA Reference Method 21 (40 CFR40 CFR, Part 60, Appendix A), Determination of Volatile Organic Compound Leaks Place probe at least 12 inches above the bottom of the tank and above the surface of any sludge material on the bottom of the tank and at least 12 inches inside the tank measured from the inner surface of the tank wall.

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**Table VIII
 Test Methods**

Applicable Requirement	Description of Requirement	Acceptable Test Methods
BAAQMD 8-5-501.1 <u>8-5-602</u>	Records <u>(true vapor pressure)</u>	Manual of Procedures, Volume III, Lab Method 28, Determination of Vapor Pressure of Organic Liquids from Storage Tanks, if organic compound is not listed in Table I
AAQMD 8-5-603.2	VOC emissions for tank degassing	Manual of Procedures, Volume IV, ST-7, Non-Methane Organic Carbon Sampling
AAQMD 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
<u>BAAQMD 8-8-112 8-8-601</u>	<u>Exemption, Wastewater Analysis for Critical Organic Compounds</u>	<u>Manual of Procedures, Volume III, ST-3, Lab Method 33, Determination of Dissolved Critical Volatile Organic Compounds in Wastewater Separators</u>
BAAQMD 8-8-114 <u>8-8-601</u>	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 <u>8-8-504 8-8-603</u>	Gauging and Sampling Devices	EPA reference method 21 (40 CFR <u>40 CFR, Part</u> 60, Appendix A), Determination of Volatile Organic Compound Leaks
<u>BAAQMD 8-8-305.2</u>	<u>70% combined collection and destruction efficiency</u>	<u>Manual of Procedures, Volume IV, ST-7, Non-Methane Organic Carbon Sampling, or</u>

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**Table VIII
 Test Methods**

Applicable Requirement	Description of Requirement	Acceptable Test Methods
8-8-602	requirement	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 8-8-312 8-8-504 8-8-603	Controlled Wastewater Collection System Components At Petroleum Refineries	EPA Method 21 (40-CFR 40 CFR, Part 60, Appendix A), Determination of Volatile Organic Compound Leaks – Portable hydrocarbon detector
BAAQMD 8-8-313.2 8-8-504 8-8-603	Uncontrolled Wastewater Collection System Components At Petroleum Refineries	EPA Method 21 (40-CFR 40 CFR, Part 60, Appendix A), Determination of Volatile Organic Compound Leaks – Portable hydrocarbon detector
BAAQMD 8-8-604	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 40 CFR, Part 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 8-18-110 8-8-603	Exemption, Controlled Seal Systems and Pressure Relief Devices (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 8-18-113 8-8-601	Exemption, Initial Boiling Point	ASTM D-1078-98 or ASTM D-86, Initial Boiling Point
BAAQMD 8-18-301, 8-18-302, 8-18-303, 8-18-304, 8-18-305 8-18-501 8-8-602	Leak inspection procedures	EPA reference method 21 (40-CFR 40 CFR, Part 60, Appendix A), Determination of Volatile Organic Compound Leaks
BAAQMD 8-18-306 8-18-604	Determination of mass emissions	EPA Protocol for Equipment Leak Emission Estimates, Chapter 4, Mass Emission Sampling, (EPA-453/R-95-017) November 1995

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 Test Methods**

Applicable Requirement	Description of Requirement	Acceptable Test Methods
BAAQMD 8-28-303.1 8-28-304.2 8-28-405.2 8-8-214 8-28-602	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
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 CFR40 CFR, Part 60	Standards of Performance for Petroleum Refineries	

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Applicable Requirement	Description of Requirement	Acceptable Test Methods
Subpart J		
40-CFR 40 CFR, Part 60.104(a)(1)	Fuel gas H2S concentration limit	40-CFR 40 CFR, Part 60, Appendix A, EPA Method 11, Determination of Hydrogen Sulfide Content of Fuel Gas Streams in Petroleum Refineries, and 40-CFR 40 CFR, Part 60, Appendix B, Performance Specification 7, Specifications and Test Procedures for Hydrogen Sulfide Continuous Emission Monitoring Systems in Stationary Sources
40-CFR 40 CFR, Part 60 Subpart Kb	Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984 (10/15/03)	
40-CFR 40 CFR, Part 60.112b(a) 60.116b	Vapor Pressure	ASTM Method D2879-83, 96, or 97. Test Method for Vapor Pressure-Temperature Relationship and Initial Decomposition Temperature of Liquids by Isotenoscope.
40-CFR 40 CFR, Part 60.112b(a)(3)(i)	Standard for Volatile Organic Compounds (VOC); Closed vent system and control device no detectable emissions	60 Subpart VV, 40-CFR 40 CFR, Part 60.485(b); EPA Reference Method 21 (40-CFR 40 CFR, Part 60, Appendix A), Determination of Volatile Organic Compound Leaks
40-CFR 60.112b(a)(3)(ii)	Subpart Kb Closed Vent System Performance (95% efficiency)	R-60 Subpart Kb 60.113b(c) Testing and Procedures
40-CFR 60.113b(b)(4)(i)	Subpart Kb External Floating Roof Tank primary rim seal gap measurement	R-60 Subpart Kb 60.113b(b)(1) through 60.113b(b)(3) Testing and Procedures
40-CFR 60.113b(b)(4)(ii)	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 40 CFR, Part 60 Subpart VV	Standards of Performance for Equipment Leaks (Fugitive Emission Sources) <u>after January 5, 1981 and on or before November 7, 2006 (40/48/836/2/2008)</u>	
Subpart VV 40-CFR 40 CFR, Part 60.482-1 through	Leak inspection procedures	60 Subpart VV, 40-CFR 60.485(b); EPA reference method 21 (40-CFR 40 CFR, Part 60, Appendix A), Determination of Volatile Organic Compound Leaks

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**Table VIII
 Test Methods**

Applicable Requirement	Description of Requirement	Acceptable Test Methods
60.482-10 60.483 60.485(b) 60.482-2(b)(1); 60.482-7(b); 60.482-8(b); 60.482-10 (g)		
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 Part 60.482-2(e); 60.482-4(a); 60.482-4(b); 60.482-7(f); 60.485(c)	Leak inspection procedures No detectable emissions standards	60 Subpart VV, 40 CFR 60.485(e); EPA reference method 21 (40 CFR 60, Appendix A), Determination of Volatile Organic Compound Leaks
Subpart VV 40 CFR 60.483 and BAAQMD 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
Subpart VV 40 CFR Part 60.482-1 through 60.482-10	Determine % VOC content in process fluid (VOC service determination)	ASTM E260-73, 91, or 96 OR ASTM E168-67, 77, or 92 OR ASTM E169-63, 77, or 93

VIII. Test Methods

**Table VIII
 Test Methods**

Applicable Requirement	Description of Requirement	Acceptable Test Methods
60.485(d)		
Subpart VV 40 CFR <u>40 CFR</u> <u>Part</u> <u>60.482-2</u> <u>60.482-7</u> <u>60.483</u> 60.485(e)	Demonstrate equipment is in light liquid service	ASMT D2879-83, 96, or 97 (Vapor pressure) OR Standard reference texts
40 CFR <u>40 CFR</u> , <u>Part 60</u> <u>Subpart VVa</u>	<u>Standards of Performance for Equipment Leaks (Fugitive Emission Sources) after November 7, 2006 (6/2/2008)</u>	
40 CFR <u>40 CFR</u> , <u>Part</u> <u>60.482-1a</u> through <u>60.482-10a</u> <u>60.483a</u> <u>60.485a(b)</u>	<u>Leak inspection procedures</u>	<u>EPA reference method 21 (40 CFR 40 CFR, Part 60, Appendix A), Determination of Volatile Organic Compound Leaks</u>
40 CFR <u>40 CFR</u> , <u>Part</u> <u>60.482-2a(e)</u> , <u>60.482-4(aa)</u> , <u>60.482-4a(b)</u> , <u>60.482-7(af)</u> ; <u>60.485a(c)</u>	<u>No detectable emissions standards</u>	<u>EPA reference method 21 (40 CFR 40 CFR, Part 60, Appendix A), Determination of Volatile Organic Compound Leaks</u>
40 CFR <u>40 CFR</u> , <u>Part</u> <u>60.482-1a</u> through <u>60.482-10a</u> <u>60.485a(d)</u>	<u>Determine % VOC content in process fluid (VOC service determination)</u>	<u>ASTM E260-73, 91, or 96 OR</u> <u>ASTM E168-67, 77, or 92 OR</u> <u>ASTM E169-63, 77, or 93</u>
40 CFR <u>40 CFR</u> , <u>Part</u> <u>60.482-2a</u> <u>60.482-7a</u>	<u>Demonstrate equipment is in light liquid service</u>	<u>ASMT D2879-83, 96, or 97 (Vapor pressure) OR</u> <u>Standard reference texts</u>

VIII. Test Methods

**Table VIII
 Test Methods**

Applicable Requirement	Description of Requirement	Acceptable Test Methods
60.483a 60.485a(e)		
40 CFR CFR, Part 61 Subpart FF	National Emission Standards for Benzene Waste Operations	
40 CFR CFR, Part 61.342(e)(2)(i)	Uncontrolled Benzene Wastewater Limit	40 CFR CFR, Part 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) 61.355(h)	Standards: Containers--Covers and Openings, no detectable emissions	EPA reference method 21 (40 CFR CFR, Part 60, Appendix A), Determination of Volatile Organic Compound Leaks
61.347(a)(1) (i)(A)	Standards: Oil Water Separators	EPA reference method 21 (40 CFR 60, Appendix A); Determination of Volatile Organic Compound Leaks
61.349(a)(1) (i)	Standards: Closed vent systems and Control Devices Closed vent system no detectable emission >= 500 ppmv, annual inspection	EPA reference method 21 (40 CFR 60, Appendix A); Determination of Volatile Organic Compound Leaks
61.349(a)(2) (i)(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

VIII. Test Methods

**Table VIII
 Test Methods**

Applicable Requirement	Description of Requirement	Acceptable Test Methods
		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	<p>From "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Publication No. SW-846:</p> <ol style="list-style-type: none"> (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 <p>From 40 CFR Part 136, Appendix A, Test Procedures for Analysis of Organic Pollutants, for wastewaters for which these are approved EPA methods:</p> <ol style="list-style-type: none"> (1) Method 602, Purgeable Aromatics, Method 624, Purgeables
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

VIII. Test Methods

**Table VIII
 Test Methods**

Applicable Requirement	Description of Requirement	Acceptable Test Methods
		EPA reference method 18 (40 CFR 60, Appendix A); Measurement of Gaseous Organic Compound Emissions by Gas Chromatography
BAAQMD Condition 1240, parts II.26, II.31, II.31a, II.42, II.50, II.51, II.52, II.64a, II.71, II.72, II.73, II.90 BAAQMD Condition 20762, parts 1, 2	1.5 psia requirement Vapor pressure determination	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.
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.

VIII. Test Methods

Table IX A—1
Permit Shield for Non-applicable Requirements
S30, MARINE LOADING DOCK
(DELETED IN REVISION 2, S30 IS NO LONGER IN OPERATION)

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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)

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IX. Permit Shield

Table IX B – 21
Permit Shield for Subsumed Requirements
COMPONENTS

Subsumed Requirement Citation	Title or Description	Streamlined Requirements	Title or Description
NSPS Subpart VV, 40 CFR 40 CFR, Part 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 40 CFR, Part 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 40 CFR, Part 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 40 CFR, Part 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 40 CFR, Part 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 40 CFR, Part 60.484	Alternative compliance plan only requires EPA approval.	BAAQMD 8-18-308	Requires public noticing and EPA approval of alternative compliance plan.
NSPS	Pump Leak above 10,000 ppm	BAAQMD 8-18-303	Minimization of pump leak >

IX. Permit Shield

Table IX B – 21
Permit Shield for Subsumed Requirements
COMPONENTS

Subsumed Requirement Citation	Title or Description	Streamlined Requirements	Title or Description
Subpart VVa, 40-CFR40 CFR, Part 60.482-2a(c)	or dripping liquid: First repair attempt before 5 days and repair before 15 days.		500 ppm within 24 hours and repair within 7 days.
NSPS Subpart VVa, 40-CFR40 CFR, Part 60.482-7a(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 VVa, 40-CFR40 CFR, Part 60.482-7a(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 VVa, 40-CFR40 CFR, Part 60.482-7a(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 VVa, 40-CFR40 CFR, Part 60.482-9a(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 VVa, 40-CFR40 CFR, Part 60.484a	Alternative compliance plan only requires EPA approval.	BAAQMD 8-18-308	Requires public noticing and EPA approval of alternative compliance plan.

IX. Permit Shield

X. REVISION HISTORY

Initial Major Facility Review Permit Issuance (Application 17468):	December 1, 2003
Administrative Amendment (no application): 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.	May 27, 2004
Minor Revision (Application 7471): 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.	September 2, 2004
Reopening (Application 9297): 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	December 16, 2004
Significant Revision 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. Application 12236/12237 S24 Abatement Service Operating Temperature	October 17, 2007

IX. Permit Shield

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 through 24
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

Renewal (Application 18289) (October 2009)

[Application 17031/17030 Administrative Amendment to allow temperature excursion for A-31 thermal oxidizer](#)
[Application 19194/19193 Atmospheric PRD removal project](#)
[Application 19635/19384 Signification permit revision for A31/S24 minimum operating temperature](#)
[Application 19643/19631 Compliance option for Benzene Waste NESHAP](#)

IX. Permit Shield

| ~~40 CFR~~40 CFR, Part 61 Subpart FF

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~~40 CFR, Part contains the implementing regulations for federal environmental statutes such as the Clean Air Act. Parts 50-99 of ~~40~~40 CFR, Part 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

District

XI. Glossary

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 air pollutants as determined by the EPA administrator.

XI. Glossary

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

NO_x

Oxides of nitrogen.

NSPS

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

NSR

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

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, NO_x, PM₁₀, and

XI. Glossary

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~~40 CFR, Part 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.

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

XI. Glossary

of the Act.

SO₂

Sulfur dioxide

SO₃

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
g	=	grams
gal	=	gallon
gpm	=	gallons per minute

XI. Glossary

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>~~