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 #B3193

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

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

Responsible Official	**Facility Contact**
W. H. Buckalew, Jr.	Clark Hopper,
Vice President and General Manager	Environmental Engineering Manager,
	Valero Refining Company - California
(707) 745-7724	(707) 745-7385

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

BAAQMD Permit Division Contact:
Brenda Cabral

ISSUED BY THE BAY AREA AIR QUALITY MANAGEMENT DISTRICT

_____ _____
William C. Norton, 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 5/2/01);
SIP Regulation 1 - General Provisions and Definitions
(as approved by EPA through 6/28/99);
BAAQMD Regulation 2, Rule 1 - Permits, General Requirements
(as amended by the District Board on 8/1/01);
SIP Regulation 2, Rule 1 - Permits, General Requirements
(as approved by EPA through 1/26/99);
BAAQMD Regulation 2, Rule 2 - Permits, New Source Review
(as amended by the District Board on 5/17/00);
SIP Regulation 2, Rule 2 - Permits, New Source Review and Prevention of Significant Deterioration
(as approved by EPA through 1/26/99);
BAAQMD Regulation 2, Rule 4 - Permits, Emissions Banking
(as amended by the District Board on 5/17/00);
SIP Regulation 2, Rule 4 - Permits, Emissions Banking
(as approved by EPA through 1/26/99); and
BAAQMD Regulation 2, Rule 6 - Permits, Major Facility Review
(as amended by the District Board on 5/2/01).

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

1. This Major Facility Review Permit was issued on [ ] and expires on [when issued, enter 5th anniversary of issue date]. The permit holder shall submit a complete application for renewal of this Major Facility Review Permit no later than [when issued, enter date 6 months prior to permit expiration date] and no earlier than [when issued, enter date 12 months prior to expiration date]. **If a complete application for renewal has not been submitted in accordance with this deadline, the facility may not operate after** [when issued, enter 5th anniversary of issue date]**.** (Regulation 2-6-307, 404.2, & 409.6; MOP Volume II, Part 3, §4.2)

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

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

4. This permit may be modified, revoked, reopened and reissued, or terminated for

I. Standard Conditions

cause. (Regulation 2-6-307, 409.8, 415; MOP Volume II, Part 3, §4.11)

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

C. Requirement to Pay Fees

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

D. Inspection and Entry

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

I. Standard Conditions

E. Records

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

F. Monitoring Reports

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

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

(Regulation 2-6-502, 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 certification period will be _____ 1st to _____ 30th or 31st. The certification shall be submitted by _____ 30th or 31st of each year. 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

I. Standard Conditions

San Francisco, CA 94105
Attention: Air-3

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

H. Emergency Provisions

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

I. Severability

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

J. Miscellaneous Conditions

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

II. EQUIPMENT

Table II A - Permitted Sources

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

S#	Description	Make or Type	Model	Capacity
1	Crude Storage Tank 1A	External Floating Roof		3,419,000 gal
2	Crude Storage Tank 1B	External Floating Roof		3,419,000 gal
3	Gas Oil Storage Tank, TK-1C	Fixed Roof		3,419,000 gal
4	Crude Oil Storage Tank, TK-10A	External Floating Roof		1,382,000 gal
5	Asphalt Storage Tank, TK-2A	Fixed Roof		3,415,000 gal
6	Asphalt Storage Tank, TK-2B	Fixed Roof		3,415,000 gal
7	Asphalt Storage Tank, TK-3	Fixed Roof		1,050,000 gal
8	Asphalt Storage Tank, TK-4	Fixed Roof		1,050,000 gal
9	Naphtha Storage Tank, TK-7	Internal Floating Roof		571,200 gal
12	Tank #6 – Wastewater Tank	Fixed Roof		571,000 gal
13	Tank 8 – Kerosene Tank	Fixed Roof		88,000 gal
14	Truck Loading Racks - Naphtha			1 pump, 2 nozzles
15	Truck Loading Racks - Gas Oil			1 pump, 2 nozzles
16	Truck Loading Racks - Kerosene or Distillate Oil			1 pump, 2 nozzles
17	Truck Loading Racks - Asphalt			3 pumps, 4 nozzles
18	Crude Unit including vacuum tower			18,000 barrels/day
19	Vacuum Heater (natural gas, refinery fuel gas)			40 MMbtu/hr
20	Steam Boiler (natural gas)			14.7 MMbtu/hr
21	Steam Boiler H-2 B (natural gas)			14.7 MMbtu/hr
23	Crude Storage Tank 10B	External Floating Roof		1,382,000 gal
24	Hot Oil Heater, H-3 (natural gas)			9 MMbtu/hr
25	Effluent Water Feed Tank, TK-11A	Fixed Roof		88,200 gal
26	Wastewater Oil Tank, TK-13	Fixed Roof		3800 gal
27	Recovered Oil Tank, TK-12A	Fixed Roof		1260 gal
28	Effluent Water Feed Tank, TK-11B	Fixed Roof		88,000 gal
29	Naphtha Merox Treater, 950 Bbls/Day, UOP			950 bbls/day

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
30	Marine Loading Dock (Report ONLY loading ONTO vessels)			2 pumps, 2 nozzles
31	Rail Car Asphalt and Gas Oil Loading Rack, five Spots			1 nozzle
32	LGO Stripper, Tower (Column) 301			
34	Tank Heater, H-5 (natural gas)			5.9 MMbtu/hr
37	Rubberized Asphalt Sales Tank, TK-54	Fixed Roof		100,000 gal
38	Rubberized Asphalt Sales Tank, TK-55	Fixed Roof		100,000 gal
39	Lube Oil Tank, Tk-503	CE		18,900 gal
40	Latex Storage Tank, Tk-504	CE		16,800 gal
41	Wemco Hydrocleaner			5,000 bbl/day
51	Sales Tank – Asphalt Liquid, Tank 506	Fixed Roof		152,880 gal
52	Sales Tank – Asphalt Liquid	Fixed Roof		152,880 gal
53	Sales Tank – Asphalt Liquid	Fixed Roof		152,880 gal
54	Asphalt Loading Rack			3 pumps, 4 nozzles
59	Tank #5 – Gas oil Fixed Roof Storage Tank	Fixed Roof		1,050,000 gal
60	Asphalt Tank #505	Fixed Roof		15,000 gal
61	Asphalt Tank 30A	Fixed Roof		995,400 gal
62	Asphalt Tank 30B	Fixed Roof		995,400 gal
63	Tank 31 KERO/LVGO/HVGO/Asphalt Tank	Fixed Roof		1,218,000 gal
65	Asphalt Tank, Tank 32	Fixed Roof		6,920,000 gal
66	Oil Water Separator			210 gal/min
67	Recovered Oil Tank, TK-12B	Fixed Roof		5875 gal
68	Emergency Diesel-powered Firewater Pump (P-4645)			215 hp
69	Asphalt Additive Loading Bin	Open Top		96 cubic feet
70	Asphalt Additive Mixing Tank	Fixed Roof		2,200 gal

II. Equipment

Table II B – Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
A1	Koch Mist Eliminator	S5-S8, S41, S59, S65	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	None	None	None
A4	Thermal Oxidizer (6.5 MMbtu/hr)	S14, S15, S17, A2	BAAQMD Condition #1240, Part I.14	temperature	Emissions of NMHC < 49.1 tons per year excluding marine emissions
		S14, S15, S17	BAAQMD 8-6-301	Temperature	0.17 pounds organic compounds per 1,000 gallons
		S14	BAAQMD Condition #1240, Part II.60	Temperature	98.5% destruction
		S15	BAAQMD Condition #1240, Part II.63	Temperature	98.5% destruction
		S17	BAAQMD Condition #1240, Part II.68	Temperature	98.5% destruction

II. Equipment

Table II B – Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
A6	Mist Eliminator	S31	None	None	None
A20	Mist Eliminator F500	S3, S13, S37, S38, S51-S53, S54, S60-S63, S65, S66	None	None	None
A21	Carbon Canisters (2)	S27	40 CFR 61.349(a)(2)(ii)	None	95% control of VOC or 98% control of benzene
A22	Carbon Canisters	S27	40 CFR 61.349(a)(2)(ii)	None	95% control of VOC or 98% control of benzene
A23	Carbon Canister	S26	40 CFR 61.349(a)(1)(ii)	None	95% control of VOC or 98% control of benzene
A24	Carbon Canister	S26	40 CFR 61.349(a)(2)(ii)	None	95% control of VOC or 98% control of benzene
A31	Thermal Oxidizer (3.5 MMbtu/hr)	S3, S5-S8, S12, S13, S25, S28, S31, S37, S38, S41, S51-S54, S59, S60-S63, S65, S66, S67, S70, A1, A3, A6, A20	BAAQMD Condition #1240, Part I.14	temperature	Emissions of NMHC < 49.1 tons per year excluding marine emissions

II. Equipment

Table II B – Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
A31	Thermal Oxidizer	S3	BAAQMD Condition #1240, Part II.43	Temperature	98.5% destruction
		S5-S8, S37, S38, S70	BAAQMD Condition #1240, Part II.55	Temperature	98.5% destruction
		S5-S8, S37, S38, S51-S53, S60, S70	40 CFR 60.473(c)	temperature	0 percent opacity except for one consecutive 15-min period in any 24-hr period for cleaning
		S12	40 CFR 61.349(a)(2)(i)(A)	temperature	95% control of inlet VOC
		S13, S59, S63	BAAQMD 8-5-311.3	Temperature	95% control of VOC
		S13, S59, S63	40 CFR 60.112b(a)(3)(ii)	Temperature	95% control of inlet VOC
A31	Thermal Oxidizer	S13	BAAQMD Condition #1240, Part II.32a	Temperature	98.5% control of inlet VOC by weight
		S59	BAAQMD Condition #1240, Part II.32b	Temperature	98.5% control of inlet VOC by weight
		S63	BAAQMD Condition #1240, Part II.32c	Temperature	98.5% control of inlet VOC by weight

II. Equipment

Table II B – Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
A31	Thermal Oxidizer	S25, S28	40 CFR 61.349(a)(2)(i)(A)	temperature	95% control of inlet VOC
		S31	BAAQMD 8-6-301	Temperature	0.17 pounds organic compounds per 1,000 gallons
		S31	BAAQMD Condition 1240, Part II.69	Temperature	98.5% destruction
		S41	BAAQMD 8-8-307		70% combined collection and destruction efficiency
		S41, S67	40 CFR 61.349(a)(2)(i)(A)	temperature	95% control of inlet VOC
		S51-S53, S60	BAAQMD Condition #1240, Part II.56	Temperature	98.5% destruction
A31	Thermal Oxidizer	S51-S53, S60	40 CFR 60.473(c)	Temperature	0 percent opacity except for one consecutive 15-min period in any 24-hr period for cleaning

II. Equipment

Table II B – Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
A31	Thermal Oxidizer	S54	BAAQMD 8-6-301	Temperature	0.17 pounds organic compounds per 1,000 gallons
		S54	BAAQMD Condition #1240, Part II.70	Temperature	98.5% destruction
		S61, S62	40 CFR 60.472(c)	temperature	0 percent opacity except for one consecutive 15-min period in any 24-hr period for cleaning
		S65	BAAQMD Condition #1240, Part II.56	temperature	98.5% destruction
A31	Thermal Oxidizer	S65	40 CFR 60.473(c)	temperature	0 percent opacity except for one consecutive 15-min period in any 24-hr period for cleaning
		S66	40 CFR 61.349(a)(2)(i)(A)	temperature	95% control of inlet VOC

II. Equipment

Table II B – Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
A31	Thermal Oxidizer	S66	BAAQMD Condition #1240, Part II.85	Temperature	98.5% destruction
A44	Off Gas Caustic Scrubber	S18, S32	None	None	None
A45	Off Gas Caustic Scrubber	A44	BAAQMD Condition 1240, Part I.ll	None	H2S concentration < 163 ppmv, dry, 3 hour average
A45	Off Gas Caustic Scrubber	A44	BAAQMD Condition 1240, Part I.l2	None	H2S concentration < 10 ppmv, dry, 24 hour average
S19	Vacuum Heater (natural gas, refinery gas)	S18, S32, A44, A45	BAAQMD Condition #1240, Part I.14	None	Emissions of NMHC < 49.1 tons per year excluding marine emissions
		S18	BAAQMD Condition #1240, Part I.3	None	98.5% destruction
S19	Vacuum Heater	S18, S32	40 CFR 63.643(a)(2)	None	98% destruction of organic HAPs or concentration of 20 ppmv, @ 3% O2, dry

II. Equipment

Table II B – Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
S24	Hot Oil Heater	S3, S5-S8, S12, S13, S25, S28, S37, S38, S41, S51-S53, S59, S60-S62, S63, S65, S66, S67, S70, A1, A3, A6, A20	BAAQMD Condition #1240, Part I.14	temperature	Emissions of NMHC < 49.1 tons per year excluding marine emissions
		S3	BAAQMD Condition #1240, Part II.43	Temperature	98.5% destruction
		S5-S8, S37, S38, S70	BAAQMD Condition #1240, Part II.55	Temperature	98.5% destruction
		S5-S8, S37, S38, S51-S53, S60, S70	40 CFR 60.473(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, S67	40 CFR 61.349(a)(2)(i)(A)	Temperature	95% control of inlet VOC
		S13, S59, S63	BAAQMD 8-5-311.3	Temperature	95% control of VOC
		S13, S59, S63	40 CFR 60.112b(a)(3)(ii)	Temperature	95% control of inlet VOC

II. Equipment

Table II B – Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
S24	Hot Oil Heater	S13	BAAQMD Condition #1240, Part II.32a	Temperature	98.5% control of inlet VOC by weight
		S59	BAAQMD Condition #1240, Part II.32b	Temperature	98.5% control of inlet VOC by weight
		S63	BAAQMD Condition #1240, Part II.32c	Temperature	98.5% control of inlet VOC by weight
		S51-S53, S60	BAAQMD Condition #1240, Part II.56	Temperature	98.5% destruction
S24	Hot Oil Heater	S61, S62	40 CFR 60.473(c)	Temperature	0 percent opacity except for one consecutive 15-min period in any 24-hr period for cleaning
		S61, S62	BAAQMD Condition #1240, Part II.57	Temperature	98.5% destruction
		S65	BAAQMD Condition #1240, Part II.56	Temperature	98.5% destruction

II. Equipment

Table II B – Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
S24	Hot Oil Heater	S65	40 CFR 60.473(c)	Temperature	0 percent opacity except for one consecutive 15-min period in any 24-hr period for cleaning
		S66	40 CFR 61.349(a)(2)(i)(A)	Temperature	95% control of inlet VOC
		S66	BAAQMD Condition #1240, Part II.85	Temperature	98.5% destruction

III. GENERALLY APPLICABLE REQUIREMENTS

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

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

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

The full language of SIP requirements is on EPA Region 9's website. The address is included in Appendix A of this permit.

NOTE:

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

Table III
Generally Applicable Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)
BAAQMD Regulation 1	General Provisions and Definitions (5/2/01)	N
SIP Regulation 1	General Provisions and Definitions (6/28/99)	Y
BAAQMD Regulation 2, Rule 1	General Requirements (8/1/01)	N
SIP Regulation 2, Rule 1	General Requirements (1/26/99)	Y

III. Generally Applicable Requirements

Table III
Generally Applicable Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)
BAAQMD Regulation 4	Air Pollution Episode Plan (3/20/91)	N
SIP Regulation 4	Air Pollution Episode Plan (9/5/90)	Y
BAAQMD Regulation 5	Open Burning (3/6/02)	N
SIP Regulation 5	Open Burning (9/4/98)	Y
BAAQMD Regulation 6	Particulate Matter and Visible Emissions (12/19/90)	N
BAAQMD Regulation 7	Odorous Substances (3/17/82)	N
BAAQMD Regulation 8, Rule 1	Organic Compounds - General Provisions (6/15/94)	Y
BAAQMD Regulation 8, Rule 2	Organic Compounds – Miscellaneous Operations (6/15/94)	Y
BAAQMD Regulation 8, Rule 3	Organic Compounds - Architectural Coatings (11/21/01~~12/20/95~~)	~~Y~~N
SIP Regulation 8, Rule 3	Organic Compounds - Architectural Coatings (12/18/98)	Y
BAAQMD Regulation 8, Rule 4	Organic compounds - General Solvent and Surface Coating Operations (5/15/96)	N
SIP Regulation 8, Rule 4	Organic compounds - General Solvent and Surface Coating Operations (12/23/97)	Y
BAAQMD Regulation 8, Rule 49	Organic Compounds - Aerosol Paint Products (12/20/95)	N
SIP Regulation 8, Rule 49	Organic Compounds - Aerosol Paint Products (3/22/95)	Y
BAAQMD Regulation 8, Rule 51	Organic Compounds - Adhesive and Sealant Products (7/17/02)	N
SIP Regulation 8, Rule 51	Organic Compounds - Adhesive and Sealant Products (2/26/02)	Y
BAAQMD Regulation 11, Rule 2	Hazardous Pollutants - Asbestos Demolition, Renovation and Manufacturing (10/7/98)	~~Y~~N
BAAQMD Regulation 12, Rule 4	Miscellaneous Standards of Performance - Sandblasting (7/11/90)	N
SIP Regulation 12, Rule 4	Miscellaneous Standards of Performance - Sandblasting (9/2/81)	Y
40 CFR Part 61, Subpart M	National Emission Standards for Hazardous Air Pollutants – National Emission Standard for Asbestos (6/19/95)	Y
EPA Regulation 40 CFR 82	Protection of Stratospheric Ozone (2/21/95)	
Subpart F, 40 CFR 82.156	Leak Repair	Y

III. Generally Applicable Requirements

Table III
Generally Applicable Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)
Subpart F, 40 CFR 82.161	Certification of Technicians	Y
Subpart F, 40 CFR 82.166	Records of Refrigerant	Y

IV. SOURCE-SPECIFIC APPLICABLE REQUIREMENTS

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

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

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

The full text of each permit condition cited is included in Section VI, Permit Conditions, of this permit. The full language of SIP requirements is on EPA Region 9's website. The address is included in Appendix A of this permit. All other text may be found in the regulations themselves.

Table IV - A
General Refinery Requirements

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

IV. Source Specific Applicable Requirements

Table IV - A
General Refinery Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-5-328.1.2	An approved Emission Control system	N	
8-5-328.2	Degassing when ozone excesses are predicted	N	
8-5-404	Certification	Y	
8-5-404.3	For tank degassing equipment	Y	
8-5-502	Tank degassing annual source test requirement	N	
8-5-603	Determination of emissions	Y	
8-5-603.2	Source tests for tank cleaning equipment	Y	
SIP Regulation 8, Rule 5	**Storage of Organic Liquids (10/10/01)**		
8-5-328	Tank Cleaning Requirements	Y[1]	
8-5-328.2	An approved emission control system	Y[1]	
8-5-502	Tank cleaning annual source test requirement	Y[1]	
BAAQMD Regulation 8, Rule 8	**Wastewater (Oil-Water) Separators (6/15/94)**		
8-8-308	Junction Box	Y	
BAAQMD Regulation 8, Rule 28	**Episodic Releases from Pressure Relief Devices at Petroleum Refineries and Chemical Plants**		
8-28-302	Pressure Relief Devices at New or Modified Sources at Petroleum Refineries	N	
SIP Regulation 8, Rule 28	**Pressure Relief Valves at Petroleum Refineries and Chemical Plants (12/9/94)**		
8-28-302	Pressure Relief Devices at New or Modified Sources at Petroleum Refineries	Y[1]	
BAAQMD · Regulation 9, Rule 1	**Inorganic Gaseous Pollutants, Sulfur Dioxide Emissions Limitations (3/15/95)**		
9-1-110	Conditional Exemption, Area Monitoring	Y	
9-1-301	Limitations on Ground Level Concentrations	Y	
9-1-302	General Emission Limitation (applies only when area monitoring for SO2 is not in compliance)	Y	
9-1-313	Sulfur Removal Operations at Petroleum Refineries	N	
9-1-313.2	Sulfur Removal and Recovery System	N	
9-1-501	Area Monitoring Requirements	Y	

IV. Source Specific Applicable Requirements

Table IV - A
General Refinery Requirements

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

IV. Source Specific Applicable Requirements

Table IV - A
General Refinery Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
61.04	Address	Y	
61.05	Prohibited Activities	Y	
61.06	Determination of Construction or Modification	Y	
61.07	Application for Approval of Construction or Modification	Y	
61.08	Approval of construction or modification	Y	
61.09	Notification of startup	Y	
61.10	Source reporting and waiver request	Y	
61.12	Compliance with Standards and Maintenance Requirements	Y	
61.13	Emission Tests and Waiver of Emission Tests	Y	
61.14	Monitoring requirements	Y	
61.15	Modification	Y	
61.18	Incorporation by reference	Y	
61.19	Circumvention	Y	
40 CFR 61 Subpart FF	**National Emission Standards for Hazardous Air Pollutants, Benzene Waste Operations (01/07/1993)**		
61.340(a)	Applicability: Chemical Manufacturing, Coke by-product recovery, petroleum refineries	Y	
61.340(c)	Applicability: Exempt Waste	Y	
61.341	Definitions	Y	
61.342	Standards: General	Y	
61.342(b)	Standards: General; Request for waiver of compliance	Y	
61.342(c)(1)	Standards: General; Treat benzene-containing waste streams in accordance with 61.342(c)(1)(i), 61.342(c)(1)(ii) and 61.342(c)(1)(iii)	Y	
61.342(c)(1)(i)	Standards: General; Remove or destroy benzene in accordance with 61.348.	Y	
61.342(c)(1)(ii)	Standards: General; Comply with 61.343 through 61.347 for treatment units operated in accordance with 61.342(c)(1)(i)	Y	
61.342(c)(1)(iii)	Standards: General; Comply with 61.343 through 61.347 for treatment units for recycled wastes. Recycled wastes subject to 61.342(c)	Y	
61.342(e)	Standards: General; Alternative to 61.342(c) and 61.342(d)	Y	
61.342(e)(1)	Standards: General; Treat waste with a flow-weighted annual average water content of less than 10% per 61.342(c)(1)	Y	
61.342(e)(2)	Standards: General; Treatment of waste with a flow-weighted annual average water content of 10% or more by volume.	Y	
61.342(e)(2)(i)	Standards: General; [Uncontrolled] 61.342(e)(2) Waste shall not contain more than 6.0 Mg/yr benzene.	Y	
61.342(e)(2)(ii)	Standards: General; Determine 61.342(e)(2) benzene quality per 61.355(k).	Y	
61.345(a)	Standards: Containers	Y	

IV. Source Specific Applicable Requirements

Table IV - A
General Refinery Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
61.345(a)(1)	Standards: Containers--Covers	Y	
61.345(a)(1)(ii)	Standards: Containers--Openings	Y	
61.345(a)(2)	Standards: Containers--Waste Transfer	Y	
61.345(b)	Standards: Containers--Quarterly inspection	Y	
61.345(c)	Standards: Containers--Repairs	Y	
61.346(b)	Alternate compliance provisions for Individual Drain Systems	Y	
61.346(b)(1)	Water seals on drains	Y	
61.346(b)(2)	Cover and vent pipe	Y	
61.346(b)(2)(i)	Tight seals on junction boxes	Y	
61.346(b)(2)(ii)	Control of emissions from junction box vent pipe	Y	
61.346(b)(2)(ii)(A)	Prevention of flow of vapors from junction box vent pipe	Y	
61.346(b)(3)	No cracks on exposed sewer lines	Y	
61.346(b)(4)	Equipment Inspections	Y	
61.346(b)(4)(i)	Monitor water seals on drains quarterly	Y	
61.346(b)(4)(iii)	Monitor seals on junction boxes quarterly	Y	
61.346(b)(4)(iv)	Monitor for cracks on exposed sewer lines quarterly	Y	
61.346(b)(5)	Repair as soon as practicable but no later than 15 days after identification	Y	
61.355	Test Methods, Procedures, and Compliance Provisions	Y	
61.356	Recordkeeping Requirements	Y	
61.356(a)	Recordkeeping and retention requirements	Y	
61.356(b)	Waste stream records	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	

IV. Source Specific Applicable Requirements

Table IV - A
General Refinery Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
61.356(j)	Recordkeeping Requirements: Control device operation	Y	
61.357	Reporting Requirements	Y	
61.357(d)	Reporting Requirements: Facilities with 10 Mg/yr or more total benzene in waste	Y	
61.357(e)	Reporting Requirements for 61.351 and 61.352 equipment	Y	
61.357(f)	Reporting Requirements for 61.351 control equipment	Y	
40 CFR 63 Subpart A	**General Provisions of MACT Standards (03/16/1994)**		
63.1(a)(1)	Terms used throughout this part are defined in section 63.2	Y	
63.1(a)(2)	This part contains NESHAPS pursuant to Section 112 of Federal Clean Air Act. These NESHAPS are independent of NESHAPS in 40 CFR 61.	Y	
63.1(a)(3)	Emission standard in this part does not replace a more stringent standard in another rule.	Y	
63.1(a)(11)	Submittal postmarked within required timeframe is sufficient.	Y	
63.1(a)(12)	Time periods may be extended if mutually agreed upon, as allowed under 63.9(i)	Y	
63.1(a)(13)	Special provision in another applicable subpart supercedes conflicting provisions in this subpart.	Y	
63.1(a)(14)	Federal enforceability	Y	
63.1(b)(2)	Sources under this subpart may also be required to obtain local permit.	Y	
63.1(c)(4)	If an extension is obtained for specific provision, all other provisions still apply.	Y	
63.1(c)(5)	Applicability	Y	
63.2	Definitions	Y	
63.4(a)(1)	Sources may not operate in violation, unless an extension or exemption has been obtained	Y	
63.4(a)(2)	Recordkeeping and reporting requirements must be met	Y	
63.4(a)(3)	Source must also comply with local requirements	Y	
63.4(a)(5)	Source must comply with applicable standards even if Title V permit not issued or updated	Y	
63.4(b)	Circumvention	Y	
63.4(c)	Severability	Y	
63.5(a)	Construction and reconstruction applicability	Y	
63.5(a)(1)	Construction and Reconstruction applicability	Y	
63.5(a)(2)	Construction and Reconstruction-effective date	Y	
63.5(b)(1)	Upon construction or reconstruction, subject to standards for new sources	Y	
63.5(b)(3)	Prior written approval of administrator required before constructing or reconstructing	Y	
63.5(b)(4)	Construction and Reconstruction-notification to administrator	Y	

IV. Source Specific Applicable Requirements

Table IV - A
General Refinery Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.5(b)(5)	Construction and Reconstruction-compliance with 40 CFR 63, Subpart A	Y	
63.5(b)(6)	Equipment added to affected source becomes part of affected source, and is subject to relevant standards for source	Y	
63.5(d)(1)(i)	Construction and Reconstruction	Y	
63.5(d)(1)(ii)	Separate applications for each construction or reconstruction	Y	
63.5(d)(3)	Application for approval of construction	Y	
63.5(d)(4)	Additional information	Y	
63.5(e)	Approval of construction or reconstruction	Y	
63.5(f)(1)	Approval of construction or reconstruction based on local pre-construction review	Y	
63.5(f)(2)	Construction and Reconstruction-submittal of request to Administrator	Y	
63.6(a)	Compliance with Standards and Maintenance Requirements-applicability	Y	
63.6(b)(3)	Compliance date for sources constructed between proposal and promulgation date for standard	Y	
63.6(c)(5)	Compliance date for source that becomes newly subject to standard	Y	
63.6(e)	Operation and Maintenance Requirements	Y	
63.6(f)(1)	Compliance with non-opacity emission standards - applicability	Y	
63.6(f)(2)(i)	Determination of compliance with non-opacity standard based on performance tests	Y	
63.6(f)(2)(ii)	Determination of compliance with non-opacity standard based on based on conformance with operation and maintenance requirements	Y	
63.6(f)(2)(iii)	Use of startup tests for state requirements	Y	
63.6(f)(2)(iii)(A)	Tests within reasonable time	Y	
63.6(f)(2)(iii)(B)	Tests conducted under representative operating conditions	Y	
63.6(f)(2)(iii)(C)	Use of EPA-approved test procedures	Y	
63.6(f)(2)(iv)	Determine compliance by reviewing records, inspections	Y	
63.6(f)(2)(v)	Determine compliance by evaluation of conformance with operation and maintenance requirements	Y	
63.6(f)(3)	Finding of compliance	Y	
63.6(g)	Use of alternative non-opacity emission standard	Y	
63.6(h)(1)	Compliance with opacity and visible emissions standards-Applicability	Y	
63.6(h)(2)	Methods for determining compliance	Y	
63.6(h)(6)	Availability of records	Y	
63.6(i)	Extension of compliance with emission standards	Y	
63.6(j)	Exemption from compliance with emission standard	Y	

IV. Source Specific Applicable Requirements

Table IV - A
General Refinery Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.7(a)(3)	Administrator may require a performance test	Y	
63.7(d)	Performance testing facilities.	Y	
63.7(e)(1)	Performance Testing Requirements-conduct of performance tests	Y	
63.7(e)(2)	Performance Testing Requirements-use of test methods and procedures in 40 CFR 51, 60, 61, or 63	Y	
63.7(e)(4)	Testing under Section 114 of the Clean Air Act	Y	
63.7(h)(1)	Waiver of performance tests	Y	
63.7(h)(2)	Application for waiver of individual performance test	Y	
63.7(h)(3)	Request to waive a performance test	Y	
63.7(h)(5)	Administrator's authority not abrogated	Y	
63.8(b)(1)	Conducting monitoring	Y	
63.8(b)(3)	Using more than one monitoring system to measure emissions.	Y	
63.8(c)(1)	Monitoring Requirements	Y	
63.8(c)(1)(i)	Permit holder shall keep necessary parts to repair "routine" malfunctions, as identified in malfunction plan, per 63.6(e)(3)	Y	
63.8(c)(1)(iii)	Applicable operation and maintenance procedures	Y	
63.8(c)(2)	Monitoring systems shall measure representative emissions, parameters.	Y	
63.8(c)(3)	Monitors shall be installed prior to, or in conjunction with, performance tests under 63.7	Y	
63.8(f)(1)	Use of alternative monitoring method	Y	
63.8(f)(2)	Administrator may approve alternative monitoring upon written request	Y	
63.8(f)(3)	If administrator has reasonable grounds to dispute results of alternative monitoring, the administrator may require specific monitoring	Y	
63.8(f)(4)(ii)	Requirements for application for alternative monitoring	Y	
63.8(f)(5)(i)	Notification of approval of alternative monitoring	Y	
63.8(f)(5)(iii)	Use of alternative monitoring until Administrator approves other monitoring	Y	
63.9(a)	Notification requirements – applicability and general information	Y	
63.9(b)(4)	Notification Requirements for new or reconstructed source with initial startup date after effective date of relevant standard	Y	
63.9(b)(5)	Notification Requirements for construction of new source or reconstruction of existing source subject to standard	Y	
63.9(c)	Request for extension of compliance	Y	
63.9(d)	Notification that source is subject to special compliance requirements	Y	
63.9(i)	Adjustments to time periods or postmark deadlines for submittal and review of required communications	Y	
63.10(a)	Recordkeeping and reporting - applicability and general information.	Y	
63.10(b)(2)(i)	Records of startup, shutdown, or malfunction of operation.	Y	

IV. Source Specific Applicable Requirements

Table IV - A
General Refinery Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.10(b)(2)(ii)	Records of malfunction of air pollution control equipment	Y	
63.10(b)(2)(iv)	Record of actions deviating from startup, shutdown, and malfunction plan.	Y	
63.10(b)(2)(v)	Records to determine conformance with startup, shutdown, and malfunction plan.	Y	
63.10(b)(2)(x)	Records of monitoring system calibration checks.	Y	
63.10(d)(4)	Progress reports for extension of compliance	Y	
63.10(d)(5)(i)	Periodic startup, shutdown, and malfunction reports.	Y	
63.10(d)(5)(ii)	Immediate startup, shutdown, and malfunction reports.	Y	
63.10(f)	Waiver of recordkeeping and reporting requirements	Y	
63.11	Control Device Requirements	Y	
63.12	State Authority and Delegation	Y	
63.13	Addresses of EPA Regional Office	Y	
63.14	Incorporation by Reference	Y	
63.15	Availability of Information and Confidentiality	Y	
40 CFR 63 Subpart CC	**National Emission Standards for Hazardous Air Pollutants for Petroleum Refineries (06/12/1996)**		
63.640(a)	Applicability applies to petroleum refining process units and to related emission points.	Y	
63.640(c)	Applicability and Designation of Affected Source--Includes all emission points at Refinery	Y	
63.640(d)	Applicability and Designation of Affected Source--Exclusions	Y	
63.640(f)	Applicability and Designation of Affected Source-miscellaneous process vents	Y	
63.640(g)	Applicability and Designation of Affected Source--Exempt Processes	Y	
63.640(h)	Applicability and Designation of Affected Source--Compliance dates	Y	
63.640(i)	Applicability and Designation of Affected Source--New petroleum refining process unit requirements	Y	
63.640(j)	Applicability and Designation of Affected Source--Changes to existing petroleum refining process units	Y	
63.640(k)	Applicability and Designation of Affected Source--Additional requirements for new or changed sources	Y	
63.640(l)	Applicability and Designation of Affected Source--Additions of equipment (i.e. process vents, storage vessels, etc) in Group 1 sources not subject to 63.640(i) or (k).	Y	
63.640(m)	Applicability and Designation of Affected Source--Changes causing Group 2 emission points to become Group 1 points	Y	

IV. Source Specific Applicable Requirements

Table IV - A
General Refinery Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.640(q)	For overlap of subpart CC with local or State regulations, the permitting authority for the affected source may allow consolidation of the monitoring, recordkeeping, and reporting requirements under this subpart.	Y	
63.641	Definitions: (arranged alphabetically) Group 1 wastewater stream, Group 2 wastewater stream, miscellaneous process vents (specifically does not include emissions from wastewater collection and conveyance systems).	Y	
63.642	General Standards	Y	
63.642(a)	Apply for a part 70 or part 71 operating permit	Y	
63.642(c)	Table 6 of this subpart specifies the Subpart A provisions that apply.	Y	
63.642(d)	Initial performance tests and compliance determinations shall be required only as specified in this subpart	Y	
63.642(e)	Keep copies of all applicable reports and records for at least 5 years, except as otherwise specified in this subpart.	Y	
63.642(f)	All reports required by this subpart shall be sent to the Administrator	Y	
63.642(i)	Existing source owners/operators shall demonstrate compliance with (g) by following procedures in (k) or by following emission averaging compliance approach in (l) for specified emission points and the procedures in (k) for other emission points.	Y	
63.642(k)	Existing source owners/operators may comply, and new sources owners/operators shall comply with the wastewater provisions in 63.647 and comply with 63.654 and is exempt from (g)	Y	
63.647(a)	Comply with 61.340-61.355 (Subpart FF). Owners/operators of Group 1 wastewater streams shall comply with sections 61.340 to 61.355 of part 61, subpart FF for each stream that meets the definition of 63.641.	Y	
63.647(b)	Wastewater Provisions	Y	
63.647(c)	Periodic measurement of benzene concentrations	Y	
63.654(a)	Compliance with in recordkeeping in 40 CFR 61, Subpart FF	Y	
63.654(e)	Periodic Reporting and Recordkeeping Requirements	Y	
63.654(g)	Semi-Annual Reporting and Recordkeeping Requirements	Y	
63.654(h)(1)	Reports of startup, shutdown, and malfunction	Y	
63.654(h)(2)	Notifications of inspections for storage vessels	Y	
63.654(i)(1)	Records for storage vessels	Y	
63.654(i)(4)	Information required by 63.654(h)	Y	
Appendix Table 1	Hazardous Air Pollutants	Y	
Appendix Table 6	Hazardous Air Pollutants	Y	

IV. Source Specific Applicable Requirements

Table IV - A
General Refinery Requirements

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.15	Restriction on use of refinery wastewater for dust control (cumulative increase)	Y	
Part I.18	NMHC and NOx estimates (Cumulative Increase)	Y	
Part I.20	Notification of startup and shutdown (2-1-403)	N	
Part IV.1	Water seals, P-traps, caps, covers on process water drains (1-301)	N	

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

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 5	**Storage of Organic Liquids (11/27/02)**		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	N	
8-5-111.1	Notice to the APCO	N	
8-5-111.2	Compliance before notification	Y	
8-5-111.3	Continuous and quick filling, emptying and refilling	Y	
8-5-111.4	Use of vapor recovery	Y	
8-5-111.5	Minimization of emissions	N	
8-5-111.6	Written notice of completion not required	Y	
8-5-111.7	Compliance with Section 8-5-328	N	
8-5-112	Limited Exemption, Tanks in Operation	N	
8-5-112.1	Notice to the APCO	N	
8-5-112.2	Compliance and certification before commencement of work	N	

IV. Source Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-5-112.3	No product movement; minimization of emissions	N	
8-5-112.4	Exemption does not exceed 7 days	N	
8-5-301	Storage Tank Control Requirements (internal floating roof, external floating roof, or approved emission control system)	N	
8-5-304	Requirements for External Floating Roofs	N	
8-5-320	Tank fitting requirements	N	
8-5-320.2	Openings in the floating roof except p/v valves and vacuum breaker vents	N	
8-5-320.3	Openings in the floating roof except floating roof legs	N	
8-5-320.4	Solid sampling or gauging wells and similar fixed projections	Y	
8-5-320.5	Slotted sampling or gauging wells and similar fixed projections	N	
8-5-320.6	Emergency roof drain	Y	
8-5-321	Primary seal requirements	N	
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	N	
8-5-321.3	Metallic shoe type seals	Y	
8-5-321.3.1	Geometry of shoe	Y	
8-5-321.3.2	Gaps for welded tanks	Y	
8-5-322	Secondary seal requirements	N	
8-5-322.1	No holes, tears, or other openings in the secondary seal	Y	
8-5-322.2	Insertion of probes	Y	
8-5-322.3	Gap length	N	
8-5-322.5	Gap for welded tanks with seal installed after September 4, 1985	N	
8-5-322.6	Secondary seal shall not be attached to primary seal	N	
8-5-328	Tank cleaning requirements	N	
8-5-328.1.2	Concentration of <10,000 ppm as methane after cleaning	N	
8-5-328.2	Tank degassing when ozone excess is predicted	N	
8-5-401	Inspection Requirements for External Floating Roof Tanks	N	
8-5-404	Certification	N	
8-5-405	Information required	Y	
8-5-501	Records	Y	
8-5-502	Tank Cleaning Annual Source Test Requirement	Y	
8-5-503	Portable hydrocarbon detector	Y	
8-5-601	Analysis of Samples, Reid Vapor Pressure	Y	

IV. Source Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-5-602	Analysis of Samples, True Vapor Pressure	Y	
8-5-603	Determination of Emissions	N	
8-5-603.1.2	Concentration of organic compounds after degassing	N	
8-5-604	Determinations of Applicability	Y	
SIP Regulation 8, Rule 5	**Storage of Organic Liquids (10/10/01)**		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y[1]	
8-5-111.1	Notice to the APCO	Y[1]	
8-5-111.5	Minimization of emissions	Y[1]	
8-5-111.7	Compliance with Section 8-5-328	Y[1]	
8-5-112	Limited Exemption, Tanks in Operation	Y[1]	
8-5-112.1	Compliance and certification before commencement of work	Y[1]	
8-5-112.2	No product movement; minimization of emissions	Y[1]	
8-5-112.3	Exemption does not exceed 7 days	Y[1]	
8-5-112.4	Secondary seal replacement	Y[1]	
8-5-304	Storage tanks larger than 75 cubic meter	Y[1]	
8-5-304.2	Storage tanks larger than 150 cubic meter storing liquid with a true vapor pressure greater than 25.8 mm Hg	Y[1]	
8-5-311	Vapor loss control device requirements	Y[1]	
8-5-311.1	Primary and secondary seals	Y[1]	
8-5-320	Tank fitting requirements	Y[1]	
8-5-320.1	Secondary seal	Y[1]	
8-5-320.2	Openings in the roof	Y[1]	
8-5-320.3	P/V valves	Y[1]	
8-5-320.5	Slotted sampling or gauging wells and similar fixed projections	Y[1]	
8-5-320.5.1	The well shall provide a projection below the liquid surface	Y[1]	
8-5-320.5.2	The well requirements	Y[1]	
8-5-320.5.3	The gap between the well and the roof	Y[1]	
8-5-321	Primary seal requirements	Y[1]	
8-5-321.2	The seal shall be liquid mounted except as provided in 8-5-311.2.2	Y[1]	
8-5-322	Secondary seal requirements	Y[1]	
8-5-322.3	Gaps for welded tanks	Y[1]	

IV. Source Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-5-322.5	Gap for welded tanks with seal installed after September 4, 1985	Y[1]	
8-5-328	Tank cleaning requirements	Y[1]	
8-5-328.2	Concentration of <10,000 ppm as methane after cleaning	Y[1]	
8-5-329	Ozone excess day prohibition	Y[1]	
8-5-401	Primary seal inspection	Y[1]	
8-5-402	Secondary seal and fitting inspection	Y[1]	
8-5-404	Certification	Y[1]	
8-5-404.1	For primary seal	Y[1]	
8-5-404.2	For secondary seal	Y[1]	
8-5-501	Records	Y[1]	
NSPS Part 60 Subpart Kb	**Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984**	Y	
60.110b(a)	Applicability and designation of affected facility	Y	
60.112b(a)	Standard for Volatile Organic Compounds (VOC); Requirement for tanks-- > 151 cubic meter with maximum TVP >=5.2 kPa and <76.6; or >= 75 cubic meter and < 151 cubic meter with maximum TVP >= 27.6 kPa and < 76.6 kPa	Y	
60.112b(a)(2)	Standard for Volatile Organic Compounds (VOC); External floating roof option	Y	
60.112b(a)(2)(i)	Standard for Volatile Organic Compounds (VOC); External floating roof seal requirements	Y	
60.112b(a)(2)(i)(A)	Standard for Volatile Organic Compounds (VOC); External floating roof primary seal requirements	Y	
60.112b(a)(2)(i)(B)	Standard for Volatile Organic Compounds (VOC); External floating roof secondary seal requirements	Y	
60.112b(a)(2)(ii)	Standard for Volatile Organic Compounds (VOC); External floating roof openings requirements	Y	
60.112b(a)(2)(iii)	Standard for Volatile Organic Compounds (VOC); External floating roof floating requirements	Y	
60.113b(b)(1)	Testing and Procedures; External floating roof seal gap measurement frequency	Y	
60.113b(b)(1)(iii)	Testing and Procedures; External floating roof reintroduction of VOL	Y	
60.113b(b)(2)	Testing and Procedures; External floating roof seal gap measurement procedures	Y	
60.113b(b)(2)(i)	Testing and Procedures; External floating roof measure seal gaps when roof is floating	Y	

IV. Source Specific Applicable Requirements

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

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

IV. Source Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.115b(b)(3)(i)	Reporting and Recordkeeping Requirements; 60.112b(a) external floating roof seal gap measurement records--date of measurement	Y	
60.115b(b)(3)(ii)	Reporting and Recordkeeping Requirements; 60.112b(a) external floating roof seal gap measurement records--raw data	Y	
60.115b(b)(3)(iii)	Reporting and Recordkeeping Requirements; 60.112b(a) external floating roof seal gap measurement records--calculations	Y	
60.115b(b)(4)	Reporting and Recordkeeping Requirements; 60.112b(a) external floating roof seal gap exceedance report	Y	
60.116b(a)	Monitoring of Operations; Record retention	Y	
60.116b(b)	Monitoring of Operations; Permanent record requirements	Y	
60.116b(c)	Monitoring of Operations; VOL storage record requirements	Y	
60.116b(e)(1)	Monitoring of Operations; Determine TVP-temperature selection based on tank operating temperatures	Y	
60.116b(e)(3)(i)	Monitoring of Operations; Determine TVP-other liquids-standard reference texts	Y	
60.116b(e)(3)(ii)	Monitoring of Operations; Determine TVP-other liquids-ASTM method	Y	
60.116b(e)(3)(iii)	Monitoring of Operations; Determine TVP-other liquids-other approved measurement method	Y	
60.116b(e)(3)(iv)	Monitoring of Operations; Determine TVP-other liquids-other approved calculation method	Y	
40 CFR 63 Subpart CC	**National Emission Standards for Hazardous Pollutants for Petroleum Refining (8/18/95)**		
63.640(n)(1)	Applicability and Designation of Affected Source Overlap for Storage Vessels—Existing Group 1 or Group 2 also subject to Kb only subject to Kb and 63.640(n)(8).	Y	
63.640(n)(8)(i)	Exemption from secondary seal requirements during gap measurements for primary seal	Y	
63.640(n)(8)(ii)	Structurally unsound roofs	Y	
63.640(n)(8)(iii)	Extensions for compliance	Y	
63.640(n)(8)(iv)	Additional reports if extension is used	Y	
63.640(n)(8)(v)	Subpart Kb reports may be submitted for this subpart. Permit holder has 60 days in lieu of Subpart Kb deadline.	Y	
63.640(n)(8)(vi)	Subpart Kb rim seal inspection reports not required if gaps do not exceed limitations.	Y	
BAAQMD Condition #1240			
Part I.14	Facility Limits (Cumulative Increase)	Y	

IV. Source Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part I.18	Cumulative Increase Monitoring (Cumulative Increase)	Y	
Part I.18a	NMHC and NOx estimates (Cumulative Increase)	Y	
Part I.18c	Estimates of NMHC emissions from tanks (Cumulative Increase)	Y	
Part I.18j	Summary of emissions estimates and reports of non-compliance (Cumulative Increase)	Y	
Part II.12	Specifications for External Floating Roof Tanks (Cumulative Increase, Offsets)	Y	
Part II.13	Quarterly Seal Inspections (Cumulative Increase)	Y	
Part II.14	Throughput Limit (Cumulative Increase)	Y	
Part II.15	Storage of Materials Other than Crude Oil (Cumulative Increase, Toxics)	Y	
Part II.16	Vapor Pressure Limit (Cumulative Increase, Offsets, Toxics)	Y	
Part II.22	Daily Recordkeeping (Cumulative Increase)	Y	
Part II.23	Monthly Recordkeeping (Cumulative Increase)	Y	
Part II.24	Crude Oil Transfers by pipeline only (Cumulative Increase)	Y	

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

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 5	**Organic Compounds, Storage of Organic Liquids (11/27/02)**		
8-5-117	Exemption, Low Vapor Pressure	N	
SIP Regulation 8, Rule 5	**Storage of Organic Liquids (10/10/01)**		
8-5-117	Exemption, Low Vapor Pressure	Y[1]	

IV. Source Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
40 CFR 63 Subpart CC	**National Emission Standards for Hazardous Pollutants for Petroleum Refining (8/18/95)**		
63.646(b)(1)	Storage Vessel Provisions--Determine stored liquid % OHAP for group determination	Y	
63.646(b)(2)	Storage Vessel Provisions--Determine stored liquid % OHAP-method 18 to resolve disputes	Y	
63.654(i)(1)	Reporting and Recordkeeping Requirements--Recordkeeping for storage vessels	Y	
63.654(i)(1)(iv)	Reporting and Recordkeeping Requirements--Recordkeeping for storage vessels	Y	
63.654(i)(4)	Reporting and Recordkeeping Requirements--Recordkeeping--Record retention	Y	
BAAQMD Condition #1240			
Part I.14	Facility Limits (Cumulative Increase)	Y	
Part I.18	Cumulative Increase Monitoring (Cumulative Increase)	Y	
Part I.18a	NMHC and NOx estimates (Cumulative Increase)	Y	
Part I.18c	Estimates of NMHC emissions from tanks (Cumulative Increase)	Y	
Part I.18j	Summary of emissions estimates and reports of non-compliance (Cumulative Increase)	Y	
Part II.40	Storage of materials other than gas oil (Cumulative Increase, Toxics)	Y	
Part II.41	Storage of at least 38,400,000 gallons gas oil per yr (Offsets)	Y	
Part II.42	Vapor pressure requirement (Cumulative Increase, NSPS)	Y	
Part II.43	Control Requirement (BACT, Cumulative Increase, offsets)	Y	
Part II.44	Vapor recovery and fugitive emission requirement (BACT, Cumulative Increase, offsets)	Y	
Part II.45	Requirement for gasketted tank fittings (BACT)	Y	
Part II.46	Recordkeeping (Cumulative Increase)	Y	
Part II.58b	Continuous Temperature Monitoring (40 CFR 60.473(c), 2-6-409.2.2)	Y	

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

IV. Source Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann #1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Regulation 8, Rule 5	**Organic Compounds, Storage of Organic Liquids (11/27/02)**		
8-5-117	Exemption, Low Vapor Pressure	N	
SIP Regulation 8, Rule 5	**Storage of Organic Liquids (10/10/01)**		
8-5-117	Exemption, Low Vapor Pressure	Y[1]	
BAAQMD Regulation 8, Rule 15	**Organic Compounds, Emulsified and Liquid Asphalts (6/1/94)**		
8-15-305	Prohibition of Manufacture and Sale	Y	
8-15-501	Records	Y	
40 CFR 60 Subpart UU	**Standards of Performance for Asphalt Processing and Asphalt Roofing Manufacture (8/6/82)**		
60.472(c)	Opacity standard	Y	
60.473(c)	Parametric monitoring	Y	
60.473(d)	Exemption from quarterly reports	Y	
40 CFR 63 Subpart CC	**National Emission Standards for Hazardous Pollutants for Petroleum Refining (8/18/95)**		
63.646(b)(1)	Storage Vessel Provisions--Determine stored liquid % OHAP for group determination	Y	
63.646(b)(2)	Storage Vessel Provisions--Determine stored liquid % OHAP-method 18 to resolve disputes	Y	
63.654(i)(1)	Reporting and Recordkeeping Requirements--Recordkeeping for storage vessels	Y	

IV. Source Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.654(i)(1)(iv)	Reporting and Recordkeeping Requirements--Recordkeeping for storage vessels	Y	
63.654(i)(4)	Reporting and Recordkeeping Requirements--Recordkeeping--Record retention	Y	
BAAQMD Condition #1240			
Part I.14	Facility Limits (Cumulative Increase)	Y	
Part I.18	Cumulative Increase Monitoring (Cumulative Increase)	Y	
Part I.18a	NMHC and NOx estimates (Cumulative Increase)	Y	
Part I.18c	Estimates of NMHC emissions from tanks (Cumulative Increase)	Y	
Part I.18j	Summary of emissions estimates and reports of non-compliance (Cumulative Increase)	Y	
Part II.48	Throughput Limit (Cumulative Increase, Offsets)	Y	
Part II.49	Prohibition against cutback asphalt (Toxics)	Y	
Part II.50	Vapor Pressure Limit (Cumulative Increase, Offsets)	Y	
Part II.55	Control and Destruction Efficiency Requirements (Cumulative Increase, Offsets)	Y	
Part II.58	Recordkeeping Requirement (Cumulative Increase)	Y	
Part II.58b	Continuous Temperature Monitoring (40 CFR 60.473(c), 2-6-409.2.2)	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	Definition of Allowable Temperature Excursions (2-1-403)	Y	

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

IV. Source Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 5	**Storage of Organic Liquids (11/27/02)**		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	N	
8-5-111.1	Notice to the APCO	N	
8-5-111.2	Compliance before notification	Y	
8-5-111.3	Continuous and quick filling, emptying and refilling	Y	
8-5-111.4	Use of vapor recovery	Y	
8-5-111.5	Minimization of emissions	N	
8-5-111.6	Written notice of completion not required	Y	
8-5-111.7	Compliance with Section 8-5-328	N	
8-5-112	Limited Exemption, Tanks in Operation	N	
8-5-112.1	Notice to the APCO	N	
8-5-112.2	Compliance and certification before commencement of work	N	
8-5-112.3	No product movement; minimization of emissions	N	
8-5-112.4	Exemption does not exceed 7 days	N	
8-5-301	Storage Tank Control Requirements (internal floating roof, external floating roof, or approved emission control system)	N	
8-5-305	Requirements for Internal Floating roofs	N	
8-5-320	Tank fitting requirements	N	
8-5-320.2	Openings in the floating roof except p/v valves and vacuum breaker vents	N	
8-5-320.2.1	Projection below liquid surface	Y	
8-5-320.2.2	Viewports and other openings	Y	
8-5-320.2.3	Inaccessible openings	Y	
8-5-320.3	Openings in the floating roof except floating roof legs	N	
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	Slotted sampling or gauging wells and similar fixed projections	N	
8-5-320.5.1	The well shall provide a projection below the liquid surface	Y	

IV. Source Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-5-320.5.2	The well requirements	N	
8-5-320.5.3	The gap between the well and the roof	Y	
8-5-320.6	Emergency roof drain	Y	
8-5-321	Primary seal requirements	N	
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	N	
8-5-321.3	Metallic shoe type seals	Y	
8-5-321.3.1	Geometry of shoe	Y	
8-5-321.3.2	Gaps for welded tanks	Y	
8-5-322	Secondary seal requirements	N	
8-5-322.1	No holes, tears, or other openings in the secondary seal	Y	
8-5-322.2	Insertion of probes	Y	
8-5-322.5	Gaps for welded tanks with seals installed after 2/1/93	N	
8-5-328	Tank cleaning requirements	Y	
8-5-328.1.2	Concentration of <10,000 ppm as methane after cleaning	N	
8-5-328.2	Tank degassing when ozone excess is predicted	N	
8-5-402	Inspection Requirements for Internal Floating Roof Tanks	N	
8-5-404	Certification	N	
8-5-405	Information required	Y	
8-5-405.1	Date of inspection	Y	
8-5-405.2	Actual gap measurements	Y	
8-5-405.3	Data, supported calculation	Y	
8-5-501	Records	N	
8-5-503	Portable hydrocarbon detector	Y	
SIP Regulation 8, Rule 5	**Storage of Organic Liquids (10/10/01)**		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y[1]	
8-5-111.1	Notice to the APCO	Y[1]	
8-5-111.5	Minimization of emissions	Y[1]	
8-5-111.7	Compliance with Section 8-5-328	Y[1]	
8-5-112	Limited Exemption, Tanks in Operation	Y[1]	

IV. Source Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-5-112.1	Compliance and certification before commencement of work	Y[1]	
8-5-112.2	No product movement; minimization of emissions	Y[1]	
8-5-112.3	Exemption does not exceed 7 days	Y[1]	
8-5-112.4	Secondary seal replacement	Y[1]	
8-5-304	Storage tanks larger than 75 cubic meter	Y[1]	
8-5-304.2	Storage tanks larger than 150 cubic meter storing liquid with a true vapor pressure greater than 25.8 mm Hg	Y[1]	
8-5-311	Vapor loss control device requirements	Y[1]	
8-5-311.2	Internal floating roof tanks	Y[1]	
8-5-311.2.3	A liquid mounted primary and a secondary seal which satisfies the requirement of Section 8-5-321 and 322	Y[1]	
8-5-320	Tank fitting requirements	Y[1]	
8-5-320.1	Secondary seal	Y[1]	
8-5-320.2	Openings in the roof	Y[1]	
8-5-320.3	Pressure vacuum valves	Y[1]	
8-5-320.5	Slotted sampling or gauging wells and similar fixed projections	Y[1]	
8-5-320.5.2	The well requirements	Y[1]	
8-5-321	Primary seal requirements	Y[1]	
8-5-321.2	The seal shall be liquid mounted except as provided in 8-5-311.2.2	Y[1]	
8-5-322	Secondary seal requirements	Y[1]	
8-5-322.5	Gaps for welded tanks with seals installed after 2/1/93	Y[1]	
8-5-328	Tank cleaning requirements	Y[1]	
8-5-328.2	Concentration of <10,000 ppm as methane after cleaning	Y[1]	
8-5-329	Ozone excess day prohibition	Y[1]	
8-5-330	Viewport Installation	Y[1]	
8-5-401	Primary seal inspection	Y[1]	
8-5-401.2	Once every 10 years	Y[1]	
8-5-402	Secondary seal and fitting inspection	Y[1]	
8-5-402.2	Once every 10 years	Y[1]	
8-5-403	Internal Floating Roof Tank Visual Inspection	Y[1]	
8-5-404	Certification	Y[1]	
8-5-404.1	For primary seal	Y[1]	
8-5-404.2	For secondary seal	Y[1]	

IV. Source Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-5-404.2.1	Once every 10 years for tanks subject to the requirements of subsection 8-5-322.5.	Y[1]	
8-5-404.2.2	Once every 10 years	Y[1]	
8-5-501	Records	Y[1]	
8-5-503	Portable hydrocarbon detector	Y[1]	
40 CFR 60 Subpart Kb	**New Source Performance Standard for Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction or Modification Commenced After July 23, 1984.**		
60.110b(a)	Applicability and Designation of Affected Facility; Volatile organic liquid storage vessels > or = to 40 cubic meter, after 7/23/1984	Y	
60.112b(a)	Standard for Volatile Organic Compounds (VOC); Requirement for tanks-- > 151 cubic meter with maximum TVP >=5.2 kPa and <76.6; or >= 75 cubic meter and < 151 cubic meter with maximum TVP >= 27.6 kPa and < 76.6 kPa	Y	
60.112b(a)(1)	Rim Seals Mechanical shoe primary seal with rim mounted secondary	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 shall proceed as quickly as possible.	Y	
60.112b(a)(1)(ii)(B)	Requirement for two seals, one mounted above the other	Y	
60.112b(a)(1)(iii)	Openings except for automatic bleeder vents and rim space vents must provide projection below liquid surface.	Y	
60.112b(a)(1)(iv)	Openings in internal floating roof	Y	
60.112b(a)(1)(v)	Automatic bleeder vents	Y	
60.112b(a)(1)(vi)	Rim space vents	Y	
60.112b(a)(1)(vii)	Sample wells	Y	
60.112b(a)(1)(viii)	Penetrations allowing for passage of columns	Y	

IV. Source Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.112b(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	
60.116b(e)(1)	Monitoring of Operations; Determine TVP-temperature selection based on tank operating temperatures	Y	
60.116b(e)(3)(i)	Monitoring of Operations; Determine TVP-other liquids-standard reference texts	Y	
60.116b(e)(3)	Monitoring of Operations; Determine TVP-other liquids-ASTM	Y	

IV. Source Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
(ii)	method		
60.116b(e)(3)(iii)	Monitoring of Operations; Determine TVP-other liquids-other approved measurement method	Y	
60.116b(e)(3)(iv)	Monitoring of Operations; Determine TVP-other liquids-other approved calculation method	Y	
40 CFR 63 Subpart CC	**National Emission Standards for Hazardous Pollutants for Petroleum Refining**		
63.640(n)(1)	Compliance with 40 CFR Subpart Kb is compliance with this part except as provided in 40 CFR 60.640(n)(8).	Y	
63.640(n)(8)	Applicability and Designation of Affected Source Overlap for Storage Vessels--Additional requirements for Kb storage vessels	Y	
63.640(n)(8)(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	

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

IV. Source Specific Applicable Requirements

District's revision of the regulation.

IV. Source Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 5	**Organic Compounds, Storage of Organic Liquids (11/27/02)**		
8-5-117	Exemption, Low Vapor Pressure	N	
SIP Regulation 8, Rule 5	**Storage of Organic Liquids (10/10/01)**		
8-5-117	Exemption, Low Vapor Pressure	Y[1]	
40 CFR 61 Subpart FF	**National Emission Standards for Benzene Waste Operations**	Y	
61.343(a)	Standards: Tanks; Benzene-containing wastes	Y	
61.343(a)(1)	Standards: Tanks; Fixed Roof--with closed vent system	Y	
61.343(a)(1)(i)(B)	Standards: Tanks; Fixed Roof--No openings	Y	
61.343(a)(1)(ii)	Standards: Tanks; Closed-vent systems are subject to 61.349	Y	
61.343(c)	Standards: Tanks; Fixed roof quarterly inspection	Y	
61.343(d)	Standards: Tanks; Fixed roof repairs	Y	
61.349(a)	Standards: Closed-Vent Systems and Control Devices; Applicability	Y	
61.349(a)(1)	Standards: Closed-Vent Systems and Control Devices; Closed vent system requirements	Y	
61.349(a)(1)(ii)(B)	Car-sealed valves on bypass lines in closed-vent system	Y	
61.349(a)(1)(iii)	Gauging/sampling devices are gas-tight	Y	
61.349(a)(1)(iv)	Safety valve provisions	Y	
61.349(a)(2)	Standards: Closed-Vent Systems and Control Devices; Control device requirements	Y	
61.349(a)(2)(i)	Standards: Closed-Vent Systems and Control Devices; Enclosed combustion device requirements	Y	

IV. Source Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
61.349(a)(2)(i)(A)	Controlled by enclosed combustion device with greater than 95% control efficiency.	Y	
61.349(b)	Operated at all times.	Y	
61.349(c)	Standards: Closed-Vent Systems and Control Devices; Control Device Performance Demonstration	Y	
61.349(c)(1)	Demonstrate efficiency required in 61.349(a)(2)	Y	
61.349(e)	Administrator may request performance tests	Y	
61.349(f)	Visually inspect for leaks quarterly	Y	
61.349(g)	Repair leaks: 5 days for first attempt; 15 days for complete repair	Y	
61.349(h)	Monitor per 61.354(c)	Y	
61.354(c)	Monitoring of Operations; Closed-vent systems and control devices—Continuously monitor control device operation	Y	
61.354(c)(1)	Monitor thermal vapor incinerator temperature	Y	
61.354(c)(4)	Monitoring of Operations; Boiler or process heaters	Y	
61.354(f)	Monitoring of Operations; Closed vent system with bypass line	Y	
61.354(f)(1)	Visually inspect carseal/valve positions monthly	Y	
61.356(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)(2)	Recordkeeping Requirements: Closed vent system and control device engineering calculations--design analysis	Y	
61.356(f)(2)(i)	Recordkeeping Requirements: Closed vent system and control device engineering calculations--design analysis	Y	
61.356(f)(2)(i)(A)	Recordkeeping Requirements: Closed vent system and control device engineering calculations--design analysis thermal vapor incinerator	Y	
61.356(f)(2)(i)(C)	Recordkeeping Requirements: Closed vent system and control device engineering calculations--design analysis process heater	Y	
61.356(g)	Recordkeeping Requirements: Visual inspection per 61.343 through 61.347	Y	
61.356(h)	Recordkeeping Requirements: No detectable emissions tests per	Y	

IV. Source Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	61.343 through 61.347, and 61.349		
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	
61.357(d)(7)	Reporting Requirements: Quarterly report requirements	Y	
61.357(d)(7)(iv)	Reporting Requirements: Quarterly report--Control device monitored per 61.354(c)	Y	
61.357(d)(7)(iv)(A)	Reporting Requirements: Quarterly report--Thermal vapor incinerator	Y	
61.357(d)(7)(iv)(C)	Reporting Requirements: Quarterly report—process heater	Y	
61.357(d)(7)(iv)(G)	Reporting Requirements: change of location where vent stream is introduced into flame zone	Y	
BAAQMD Condition #1240			
Part I.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 60.473(c), 2-6-409.2.2)	Y	

IV. Source Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 5	**Storage of Organic Liquids (11/27/02)**		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	N	
8-5-111.1	Notice to the APCO	N	
8-5-111.2	Compliance before notification	Y	
8-5-111.3	Continuous and quick filling, emptying and refilling	Y	
8-5-111.4	Use of vapor recovery	Y	
8-5-111.5	Minimization of emissions	N	
8-5-111.6	Written notice of completion not required	Y	
8-5-111.7	Compliance with Section 8-5-328	N	
8-5-112	Limited Exemption, Tanks in Operation	N	
8-5-112.1	Notice to the APCO	N	
8-5-112.2	Compliance and certification before commencement of work	N	
8-5-112.3	No product movement; minimization of emissions	N	
8-5-112.4	Exemption does not exceed 7 days	N	
8-5-301	Storage Tank Control Requirements (internal floating roof, external floating roof, or approved emission control system)	N	
8-5-306	Requirements for Approved Emission Control Systems	N	
8-5-328	Tank Cleaning Requirements	Y	
8-5-328.1.2	Concentration of <10,000 ppm as methane after cleaning	N	
8-5-328.2	Tank degassing when ozone excess is predicted	N	
8-5-329	Ozone Excess Day Prohibition	Y	
8-5-501	Records	N	
8-5-501.1	Records of type and amount of liquids stored and true vapor pressures	N	
8-5-503	Portable hydrocarbon detector	N	
8-5-603	Determination of emissions	N	
8-5-603.1	Determination of Emissions; Organic compounds specified in 8-5-311.3	N	
SIP	**Storage of Organic Liquids (8/25/97)**		

IV. Source Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Regulation 8, Rule 5			
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y[1]	
8-5-111.1	Notice to the APCO	Y[1]	
8-5-111.5	Minimization of emissions	Y[1]	
8-5-111.7	Compliance with Section 8-5-328	Y[1]	
8-5-112	Limited Exemption, Tanks in Operation	Y[1]	
8-5-112.1	Compliance and certification before commencement of work	Y[1]	
8-5-112.2	No product movement; minimization of emissions	Y[1]	
8-5-112.3	Exemption does not exceed 7 days	Y[1]	
8-5-304	Storage tanks larger than 75 cubic meter	Y[1]	
8-5-304.2	Storage tanks larger than 150 cubic meter storing liquid with a true vapor pressure greater than 25.8 mm Hg	Y[1]	
8-5-311	Vapor Loss Control Device Requirements	Y[1]	
8-5-311.3	An Approved Emission Control System which collects & processes all organic/gases	Y[1]	
8-5-328	Tank Cleaning Requirements	Y[1]	
8-5-328.2	Concentration of <10,000 ppm as methane after cleaning	Y[1]	
8-5-329	Ozone Excess Day Prohibition	Y[1]	
8-5-501	Records	Y[1]	
40 CFR 60 Subpart Kb	**New Source Performance Standard for Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction or Modification Commenced After July 23, 1984.**		
60.110b(a)	Applicability and Designation of Affected Facility; Volatile organic liquid storage vessels > or = to 40 cubic meter, after 7/23/1984	Y	
60.112b(a)(3)(i)	Standard for Volatile Organic Compounds (VOC); Closed vent 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	

IV. Source Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.113b(c)(1)(i)	Testing and Procedures; Closed vent system and control device (not flare) operating plan--efficiency demonstration	Y	
60.113b(c)(1)(ii)	Testing and Procedures; Closed vent system and control device (not flare) operating plan--monitoring parameters	Y	
60.113b(c)(2)	Testing and Procedures; Closed vent system and control device (not flare) operate in accordance with operating plan	Y	
60.115b	Reporting and Recordkeeping Requirements; 60.112b(a) tanks	Y	
60.115b(c)(1)	Reporting and Recordkeeping Requirements; Closed vent system and control device (not flare) operating plan copy	Y	
60.115b(c)(2)	Reporting and Recordkeeping Requirements; Closed vent system and control device (not flare) operating records	Y	
60.116b(a)	Monitoring of Operations; Record retention	Y	
60.116b(b)	Monitoring of Operations; Permanent record requirements	Y	
60.116b(g)	Monitoring of Operations; Exemption from 116b(c) and 116b(d)	Y	
40 CFR 63 Subpart CC	**National Emission Standards for Hazardous Air Pollutants for Petroleum Refineries (06/12/1996)**		
63.640(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	
BAAQMD Condition #1240			
Part I.14	Facility Limits (Cumulative Increase)	Y	
Part I.18	Cumulative Increase Monitoring (Cumulative Increase)	Y	
Part I.18a	NMHC and NOx estimates (Cumulative Increase)	Y	
Part I.18c	Estimates of NMHC emissions from tanks (Cumulative Increase)	Y	
Part I.18j	Summary of emissions estimates and reports of non-compliance (Cumulative Increase)	Y	
Part II.30	Storage of Materials other than Kerosene, Light or Heavy Vacuum Gas Oil, or Asphalt (Cumulative Increase, Toxics)	Y	
Part II.31	Vapor Pressure Limit (Cumulative Increase, Toxics)	Y	
Part II.32a	Control and Destruction Efficiency Requirement (Regulation 8-5-311.3, NSPS, Cumulative Increase, Toxics)	Y	

IV. Source Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part II.33a	Throughput Limit (Cumulative Increase, Toxics)	Y	
Part II.34	Recordkeeping (Cumulative Increase)	Y	
Part II.58b	Continuous Temperature Monitoring (40 CFR 60.473(c), 2-6-409.2.2)	Y	

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

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 6	**Organic Compounds-Organic Liquid Bulk Terminals and Bulk Plants (2/2/94)**		
8-6-114	Maintenance and Repair exemption	Y	
8-6-301	Bulk Terminal Limitations	Y	
8-6-304	Deliveries to Storage Tanks	Y	
8-6-306	Equipment Maintenance	Y	
8-6-307	Operating Practices	Y	
8-6-501	Records	Y	
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 - 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
Part I.18j	Summary of emissions estimates and reports of non-compliance (Cumulative Increase)	Y	
Part I.19	Temperature monitoring (2-6-503)	Y	
Part I.19a	Allowable temperature excursions (2-1-403)	Y	
Part I.19b	Recordkeeping for allowable temperature excursions (2-1-403)	Y	
Part I.19c	Temperatures above the limit ((2-1-403)	Y	
Part II.59	Submerged fill pipe and abatement requirements <cumulative increase, offsets, BACT, toxics>	Y	
Part II.60	Destruction efficiency requirements <cumulative increase, offsets, BACT, toxics>	Y	
Part II.61a	Vapor pressure limit <cumulative increase, offsets, toxics>	Y	
Part II.61b	Throughput limit<cumulative increase>	Y	

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 6	**Organic Compounds-Organic Liquid Bulk Terminals and Bulk Plants (2/2/94)**		
8-6-114	Maintenance and Repair exemption	Y	
8-6-301	Bulk Terminal Limitations	Y	
8-6-304	Deliveries to Storage Tanks	Y	
8-6-306	Equipment Maintenance	Y	
8-6-307	Operating Practices	Y	
8-6-501	Records	Y	
BAAQMD Condition #1240			

IV. Source Specific Applicable Requirements

Table IV - I
Source-specific Applicable Requirements
S15, Truck Loading Rack-Gas Oil

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part I.14	Facility Limits (Cumulative Increase)	Y	
Part I.18	Cumulative Increase Monitoring (Cumulative Increase)	Y	
Part I.18a	NMHC and NOx estimates (Cumulative Increase)	Y	
Part I.18d	Estimates of NMHC emissions from loading racks (Cumulative Increase)	Y	
Part I.18j	Summary of emissions estimates and reports of non-compliance (Cumulative Increase)	Y	
Part I.19	Temperature monitoring (2-6-503)	Y	
Part I.19a	Allowable temperature excursions (2-1-403)	Y	
Part I.19b	Recordkeeping for allowable temperature excursions (2-1-403)	Y	
Part I.19c	Temperatures above the limit ((2-1-403)	Y	
Part II.62	Submerged fill pipe and abatement requirement ((BACT, Cumulative Increase, offsets, toxics)	Y	
Part II.63	Requirement for vapor recovery and abatement (BACT, Cumulative Increase, offsets)	Y	
Part II.64a	Vapor pressure limit (Cumulative Increase, offsets)	Y	
Part II.64b	Throughput limit	Y	

Table IV - J
Source-specific Applicable Requirements
S16, Truck Loading Racks, Kerosene or Distillate Oil

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Condition #1240			
Part I.14	Facility Limits (Cumulative Increase)	Y	
Part I.18	Cumulative Increase Monitoring (Cumulative Increase)	Y	
Part I.18a	NMHC and NOx estimates (Cumulative Increase)	Y	

IV. Source Specific Applicable Requirements

Table IV - J
Source-specific Applicable Requirements
S16, Truck Loading Racks, Kerosene or Distillate Oil

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

Table IV - K
Source-specific Applicable Requirements
S17, Truck Loading Racks-Asphalt

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

IV. Source Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part I.18a	NMHC and NOx estimates (Cumulative Increase)	Y	
Part I.18d	Estimates of NMHC emissions from loading racks (Cumulative Increase)	Y	
Part I.18j	Summary of emissions estimates and reports of non-compliance (Cumulative Increase)	Y	
Part I.19	Temperature monitoring (2-6-503)	Y	
Part I.19a	Allowable temperature excursions (2-1-403)	Y	
Part I.19b	Recordkeeping for allowable temperature excursions (2-1-403)	Y	
Part I.19c	Temperatures above the limit ((2-1-403)	Y	
Part II.8	Termination of asphalt loading when blowdown system is venting to A-4, Loading Rack Thermal Oxidizer. (Cumulative Increase)	Y	
Part II.65	Control Requirement (Cumulative Increase)	Y	
Part II.68	Destruction Efficiency Requirement (Cumulative Increase, BACT)	Y	
Part II.71	Vapor Pressure Requirement (Cumulative Increase, offsets)	Y	
Part II.74	Asphalt Throughput Requirement (Cumulative Increase, offsets)	Y	
Part II.75	Recordkeeping Requirement (Cumulative Increase)	Y	
Part IV.2	Asphalt truck inspections. (1-301)	N	
Part IV.3	Notification to trucking companies (1-301)	N	

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 10	**Organic Compound – Process Vessel Depressurization (7/20/83)**		
8-10-301	Process Vessel Depressurizing. POC emissions shall be vented through a knock-out pot and then abated in one of the following ways, to as low a vessel pressure as possible, but at least until	Y	

IV. Source Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	pressure is reduced to less than 1000 mm Hg:		
8-10-301.1	recovery to the fuel gas system	Y	
8-10-301.2	combustion at a firebox or incinerator	Y	
8-10-301.3	combustion at a flare	Y	
8-10-301.4	containment such that emissions to atmosphere do not occur	Y	
8-10-401	Turnaround Records. The following records shall be kept for each process unit turnaround, and retained for at least 2 years and made available to the District on demand during inspections:	Y	
8-10-401.1	date of depressurization event	Y	
8-10-401.2	approximate vessel hydrocarbon concentration when emissions to atmosphere begin	Y	
8-10-401.3	approximate quantity of POC emissions to atmosphere	Y	
40 CFR 63 Subpart CC	**National Emission Standards for Hazardous Pollutants for Petroleum Refining (8/18/95)**		
63.643(a)	Miscellaneous Process Vent Provisions	Y	
63.643(a)(2)	Control device requirements	Y	
63.643(b)	Boiler or process heater requirements	Y	
63.644(a)	Monitoring Provisions for Miscellaneous Process Vents	Y	
63.644(a)(3)	Boiler or process heater > 44 MW or process gas introduced into flame zone	Y	
63.645(a)	Demonstrations of compliance	Y	
63.645(d)	Replacement of 63.116(b)(2) with 63.645(d)(2)	Y	
63.645(d)(2)	Boiler or process heater in which all vent streams introduced into flame zone	Y	
63.645(i)	Test Methods and Procedures for Miscellaneous Process--Compliance determination for visible emissions	Y	
BAAQMD Condition #1240			
Part I.1	Annual Throughput Limit (Cumulative Increase, Toxics, Offsets)	Y	
Part I.2	Daily Throughput Limit (Cumulative Increase, Toxics)	Y	
Part I.3	Control Requirement (Cumulative Increase, Toxics)	Y	
Part I.4	Recordkeeping (Cumulative Increase)	Y	

IV. Source Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part I.7	Mechanical seals, packing, and compressor seals (Cumulative Increase)	Y	
Part I.14	Facility Limits (Cumulative Increase)	Y	
Part I.16	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	

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 1	**General Provisions and Definitions (5/2/01)**		
1-107	Combination of Emissions	Y	
1-520	Continuous Emission Monitoring	Y	
1-520.8	Monitors required by Regulations 10, 12, and Section 2-1-403	Y	
1-522	Continuous Emission Monitoring and Recordkeeping Procedures	N	
1-522.1	approval of plans and specifications	Y	
1-522.2	scheduling requirements	Y	
1-522.3	CEM performance testing	Y	
1-522.4	reporting of inoperative CEMs	Y	

IV. Source Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
1-522.5	CEM calibration requirements	Y	
1-522.6	CEM accuracy requirements	Y	
1-522.7	emission limit exceedance reporting requirements	N	
1-522.8	monitoring data submittal requirements	Y	
1-522.9	recordkeeping requirements	Y	
1-523	Parametric Monitoring and Recordkeeping Procedures	N	
1-523.1	Parametric monitor periods of inoperation	Y	
1-523.2	Limits on periods of inoperation	Y	
1-523.3	Reports of Violations	N	
1-523.4	Records	Y	
1-523.5	Maintenance and calibration	N	
1-602	Area and Continuous Emission Monitoring Requirements	Y	
SIP Regulation 1	**General Provisions and Definitions (6/28/99)**		
1-522	Continuous Emission Monitoring and Recordkeeping Procedures	Y[1]	
1-522.7	emission limit exceedance reporting requirements	Y[1]	
1-523	Parametric Monitoring and Recordkeeping Procedures	Y[1]	
1-523.3	Reports of Violations	Y[1]	
1-523.5	Maintenance and calibration	Y[1]	
BAAQMD Regulation 2, Rule 9	**Interchangeable Emission Reduction Credits (4/7/99)**		
2-9-301	Bankable Interchangeable Emission Reduction Credits – General Provisions	N	
2-9-302	Use of IERC's	N	
2-9-303	Alternative Compliance Plan using IERC's	N	
2-9-304	Restrictions on the Use of IERC's	N	
2-9-305	Conversion of an ERC to an IERC	N	
2-9-306	Environmental Benefit Surcharge	N	
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	

IV. Source Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
2-9-502	Alternative Compliance Plan Record Keeping and Reporting	N	
2-9-601	Emission Reduction Calculations - General Requirements	N	
2-9-605	Calculation Procedure to Determine the Required Amount of IERC's for BARCT Compliance	N	
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann #1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-310.3	Heat Transfer Operations	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Regulation 9, Rule 10	**Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon Monoxide from Boilers, Steam Generators, and Process Heaters in Petroleum Refineries (7/17/02)**		
9-10-301	Emission Limit for Facility, NOx: 0.033 lb NOx/MMBTU	N	
9-10-301.1	...Start-up/Shutdown Contribution	N	
9-10-301.2	...Out-of-Service Units Contribution	N	
9-10-303	Emission Limit for Facility (Federal Requirements)	N	
9-10-305	CO emission limit	N	
9-10-401	Control Plan Requirements	N	
9-10-501	Initial Demonstration of Compliance Schedule	N	
9-10-502	Monitoring	N	
9-10-502.1	CEMS for NOx, CO, and O2 or equivalent verification system	N	
9-10-502.2	Fuel flowmeters	N	
9-10-504	Recordkeeping	N	
9-10-505	Reporting	N	
9-10-601	Determination of Nitrogen Oxides	N	
9-10-602	Determination of Carbon Monoxide and Stack-Gas Oxygen	N	
9-10-603	Compliance Determination	Y	
SIP Regulation 9, Rule 10	**Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon Monoxide from Boilers, Steam Generators, and Process Heaters in Petroleum Refineries (4/28/01)**		
9-10-303	Interim Emission Limit for Facility (Federal Requirements)	Y[1]	

IV. Source Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
9-10-502	Monitoring	Y[1]	
9-10-502.1	CEMS for NOx, CO, and O2 or equivalent verification system	Y[1]	
9-10-502.2	Fuel flowmeters	Y[1]	
BAAQMD Manual of Procedures, Volume V	**Continuous Emission Monitoring Policy and Procedures (1/20/82)**	Y	
40 CFR 60 Subpart A	**General Provisions (2/12/98)**		
60.13	Monitoring requirements	Y	
60.13(a)	Continuous monitoring systems subject to Appendix B, and Appendix F, (if used to demonstrate compliance with continuous emission limits), of Part 60	Y	
60.13(b)	Continuous monitoring systems and devices operational prior to performance tests required by 60.8	Y	
60.13(d)(1)	Continuous monitoring system zero and span calibration requirements	Y	
60.13(e)	Continuous monitoring system minimum frequency of operation	Y	
60.13(e)(2)	Continuous monitoring system minimum frequency of operation for non-opacity-measuring devices	Y	
60.13(f)	Continuous monitoring system installation location requirement	Y	
40 CFR 60 Subpart J	**Standards of Performance for Petroleum Refineries (8/17/89)**		
60.100(a)	Applicability: Claus Sulfur Recovery Plants, FCCU Catalyst Regenerators at Refineries and Fuel Gas Combustion Devices and Fuel Gas Combustion Devices of Refineries.	Y	
60.100(b)	Applicability: Constructed/modified after 6/11/1973	Y	
60.104	Standards for Sulfur Dioxide	Y	
60.104(a)(1)	fuel gas H2S concentration limited to 230 mg/dscm (0.10 gr/dscf) except for gas burned as a result of process upset or gas burned at flares from relief valve leaks or other emergency malfunctions	Y	
60.105	Monitoring of Emissions and Operations	Y	
60.105(a)(4)	monitoring requirement for H2S (dry basis) in fuel gas prior to combustion (in lieu of separate combustion device exhaust SO2	Y	

IV. Source Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	monitors as required by 60.105(a)(3))		
60.105(e)	Determine and report periods of excess emissions.	Y	
60.105(e)(3)(ii)	Excess H2S in fuel gas	Y	
60.106	Test methods and procedures	Y	
60.106(a)	Test Methods and Procedures	Y	
60.106(e)(1)	Methods to determine compliance with the H2S standard in 60.104(a)(1).	Y	
60.107(e)	Semi-annual compliance report	Y	
60.107(f)	Certification of 60.107(e) report	Y	
40 CFR 60 Appendix B	**Performance Specifications**		
Performance Specification 7	H2S continuous emission monitoring systems	Y	
40 CFR 60 Appendix F	**Quality Assurance Procedures**		
Procedure 1	QA requirements for gas continuous emission monitoring systems	Y	
40 CFR 63 Subpart CC	**National Emission Standards for Hazardous Pollutants for Petroleum Refining (8/18/95)**		
63.643(a)(2)	Control device requirements	Y	
63.643(b)	Boiler or process heater requirements	Y	
63.644(a)	Monitoring Provisions for Miscellaneous Process Vents	Y	
63.644(a)(3)	Boiler or process heater > 44 MW or process gas introduced into flame zone	Y	
BAAQMD Condition #1240			
Part I.3	Control Requirement (Cumulative Increase, Toxics)	Y	
Part I.5	Refinery Heat Input Limit (Cumulative Increase)	Y	
Part I.5a	S19 Heat Input Limit (Cumulative Increase)	Y	
Part I.5b	CO Concentration Limit (Cumulative Increase)	Y	
Part I.5c	Hourly CO Limit (Cumulative Increase)	Y	

IV. Source Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part I.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)	Y	
Part I.10	Requirement for Continuous Recording Oxygen Analyzers (2-1-403)	Y	
Part I.11	H2S Limit for Refinery Fuel Gas, 3-hr average (NSPS)	Y	
Part I.12	H2S Limit for Refinery Fuel Gas, 24-hr average (BACT)	Y	
Part I.13	H2S Monitoring (NSPS, BACT)	Y	
Part I.14	Facility Limits (Cumulative Increase)	Y	
Part I.16	Source Test Requirements for NOX and CO limits and 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 (Cumulative Increase)	Y	
Part II.60	Destruction efficiency requirements <cumulative increase, offsets, BACT, toxics>	Y	
Part II.63	Requirement for vapor recovery and abatement (BACT, Cumulative Increase, offsets)	Y	
Part III.3	Limitation on H2S in gaseous fuel when vessels are in port (Cumulative Increase)	Y	
BAAQMD Condition #19329			
Part 1	Hourly firing limits (Regulation 9, Rule 10, Cumulative Increase)	N	
Part 2	Quarterly and annual reports (Regulation 2-9-303.3)	N	
Part 3	Annual submittal of documents (Regulation 2-9-303.3)	N	
Part 4	Recordkeeping (Regulation 2-9-303.3)	N	

IV. Source Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Condition #20617			
Part 1	Firing rates, NOx emission factors (9-10-301, 9-10-305)	Y	
Part 2	Fuel gas flowmeters and O2 monitors and recorders (9-10-502)	Y	
Part 3	Demonstration of compliance with Regulation 9, Rule 10 (9-10-502)	Y	
Part 4	NOx box-operation (9-10-502)	Y	
Part 5	NOx box establishment (9-10-502)	Y	
Part 6	NOx box Limits (9-10-502)	Y	
Part 7	Semi-annual source tests for NOx and CO at maximum NOx (9-10-502)	Y	
Part 8	Semi-annual source tests for NOx and CO at maximum CO (9-10-502)	Y	
Part 9	CO CEM requirement if 2 tests above 200 ppmv (9-10-502)	Y	
Part 10	NOx CEM requirement if 2 violation notices for exceedance of NOx emission factors (9-10-502)	Y	
Part 11	Records of fuel usage, higher heat content of fuel, O2 levels, and source test data (9-10-502)	Y	
Part 12	NOx box operating parameters (9-10-502)	Y	

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

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 2,	**Interchangeable Emission Reduction Credits (4/7/99)**		

IV. Source Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Rule 9			
2-9-301	Bankable Interchangeable Emission Reduction Credits – General Provisions	N	
2-9-302	Use of IERC's	N	
2-9-303	Alternative Compliance Plan using IERC's	N	
2-9-304	Restrictions on the Use of IERC's	N	
2-9-305	Conversion of an ERC to an IERC	N	
2-9-306	Environmental Benefit Surcharge	N	
2-9-401	IERC Application	N	
2-9-401.4	Use of IERC's in lieu of compliance with the BARCT rule(s) specified in Section 2-9-302.	N	
2-9-402	Complete IERC Banking Application	N	
2-9-501	Monitoring and Record Keeping	N	
2-9-502	Alternative Compliance Plan Record Keeping and Reporting	N	
2-9-601	Emission Reduction Calculations - General Requirements	N	
2-9-605	Calculation Procedure to Determine the Required Amount of IERC's for BARCT Compliance	N	
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann #1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-310.3	Heat Transfer Operations	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Regulation 9, Rule 10	**Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon Monoxide from Boilers, Steam Generators, and Process Heaters in Petroleum Refineries (7/17/02)**		
9-10-301	Emission Limit for Facility, NOx: 0.033 lb NOx/MMBTU	N	
9-10-301.1	...Start-up/Shutdown Contribution	N	
9-10-301.2	...Out-of-Service Units Contribution	N	
9-10-303	Emission Limit for Facility (Federal Requirements)	N	
9-10-305	CO emission limit	N	
9-10-401	Control Plan Requirements	N	
9-10-501	Initial Demonstration of Compliance Schedule	N	

IV. Source Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
9-10-502	Monitoring	N	
9-10-502.1	CEMS for NOx, CO, and O2 or equivalent verification system	N	
9-10-502.2	Fuel flowmeters	N	
9-10-504	Recordkeeping	N	
9-10-505	Reporting	N	
9-10-601	Determination of Nitrogen Oxides	N	
9-10-602	Determination of Carbon Monoxide and Stack-Gas Oxygen	N	
9-10-603	Compliance Determination	Y	
SIP Regulation 9, Rule 10	**Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon Monoxide from Boilers, Steam Generators, and Process Heaters in Petroleum Refineries (3/29/01)**		
9-10-303	Interim Emission Limit for Facility (Federal Requirements)	Y[1]	
9-10-502	Monitoring	Y[1]	
9-10-502.1	CEMS for NOx, CO, and O2 or equivalent verification system	Y[1]	
9-10-502.2	Fuel flowmeters	Y[1]	
BAAQMD Condition #1240			
Part I.5	Refinery 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			

IV. Source Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Condition #19329			
Part 1	Hourly firing limits (Regulation 9, Rule 10, Cumulative Increase)	N	
Part 2	Quarterly and annual reports (Regulation 2-9-303.3)	N	
Part 3	Annual submittal of documents (Regulation 2-9-303.3)	N	
Part 4	Recordkeeping (Regulation 2-9-303.3)	N	

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

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

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

IV. Source Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
2-9-605	Calculation Procedure to Determine the Required Amount of IERC's for BARCT Compliance	N	
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann #1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-310.3	Heat Transfer Operations	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Regulation 9, Rule 10	**Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon Monoxide from Boilers, Steam Generators, and Process Heaters in Petroleum Refineries (7/17/02)**		
9-10-301	Emission Limit for Facility, NOx: 0.033 lb NOx/MMBTU	N	
9-10-301.1	...Start-up/Shutdown Contribution	N	
9-10-301.2	...Out-of-Service Units Contribution	N	
9-10-303	Emission Limit for Facility (Federal Requirements)	N	
9-10-305	CO emission limit	N	
9-10-401	Control Plan Requirements	N	
9-10-501	Initial Demonstration of Compliance Schedule	N	
9-10-502	Monitoring	N	
9-10-502.1	CEMS for NOx, CO, and O2 or equivalent verification system	N	
9-10-502.2	Fuel flowmeters	N	
9-10-504	Recordkeeping	N	
9-10-505	Reporting	N	
9-10-601	Determination of Nitrogen Oxides	N	
9-10-602	Determination of Carbon Monoxide and Stack-Gas Oxygen	N	
9-10-603	Compliance Determination	Y	
SIP Regulation 9, Rule 10	**Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon Monoxide from Boilers, Steam Generators, and Process Heaters in Petroleum Refineries (3/29/01)**		
9-10-303	Interim Emission Limit for Facility (Federal Requirements)	Y[1]	
9-10-502	Monitoring	Y[1]	
9-10-502.1	CEMS for NOx, CO, and O2 or equivalent verification system	Y[1]	

IV. Source Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
9-10-502.2	Fuel flowmeters	Y[1]	
BAAQMD Condition #1240			
Part I.5	Refinery Heat Input Limit (Cumulative Increase)	Y	
Part I.6	Prohibition against combustion of fuel oil or diesel fuel (cumulative increase)	Y	
Part I.10	Requirement for Continuous Recording Oxygen Analyzers (2-1-403)	Y	
Part I.14	Facility Limits (Cumulative Increase)	Y	
Part I.18	Cumulative Increase Monitoring (Cumulative Increase)	Y	
Part I.18a	NMHC and NOx estimates (Cumulative Increase)	Y	
Part I.18f	Estimates of NMHC emissions from combustion sources (Cumulative Increase)	Y	
Part I.18h	Estimates of NOx emissions from combustion sources (Cumulative Increase)	Y	
Part I.18j	Summary of emissions estimates and reports of non-compliance (Cumulative Increase)	Y	
BAAQMD Condition #19329			
Part 1	Hourly firing limits (Regulation 9, Rule 10, Cumulative Increase)	N	
Part 2	Quarterly and annual reports (Regulation 2-9-303.3)	N	
Part 3	Annual submittal of documents (Regulation 2-9-303.3)	N	
Part 4	Recordkeeping (Regulation 2-9-303.3)	N	

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

IV. Source Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 1	**General Provisions and Definitions (5/2/01)**		
1-107	Combination of Emissions	Y	
1-523	Parametric Monitoring and Recordkeeping Procedures	N	
1-523.1	Parametric monitor periods of inoperation	Y	
1-523.2	Limits on periods of inoperation	Y	
1-523.3	Reports of Violations	N	
1-523.4	Records	Y	
1-523.5	Maintenance and calibration	N	
SIP Regulation 1	**General Provisions and Definitions (6/28/99)**		
1-523	Parametric Monitoring and Recordkeeping Procedures	Y[1]	
1-523.3	Reports of Violations	Y[1]	
1-523.5	Maintenance and calibration	Y[1]	
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann #1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-310.3	Heat Transfer Operations	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Regulation 8, Rule 5	**Storage of Organic Liquids (11/27/02)**		
8-5-311	Vapor Loss Control Device Requirements	Y	
8-5-311.3	An Approved Emission Control System which collects & processes all organic/gases	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	Y	

IV. Source Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	of firing fuel other than natural gas or LPG		
9-10-306	Small Unit Requirements	Y	
9-10-306.2	Tune-up requirements	Y	
9-10-402	Control Plan Requirements, Small Units	N	
9-10-605	Tune-up Procedures	Y	
SIP Regulation 9, Rule 10	**Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon Monoxide from Boilers, Steam Generators, and Process Heaters in Petroleum Refineries (3/29/01)**		
9-10-111	Limited Exemption: Small Units: Between 1 and 10 MMBTU/hr and capable of firing fuel other than natural gas or LPG	Y[1]	
9-10-402	Control Plan Requirements, Small Units	Y[1]	
40 CFR 60 Subpart Kb	**New Source Performance Standard for Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction or Modification Commenced After July 23, 1984.**		
60.112b(a)(3)(ii)	Standard for Volatile Organic Compounds (VOC); Closed vent system and control device >= 95% inlet VOC emission reduction	Y	
60.113b(c)	Testing and Procedures; Closed vent system and control device (not flare)	Y	
60.113b(c)(1)	Testing and Procedures; Closed vent system and control device (not flare) operating plan submission	Y	
60.113b(c)(1)(i)	Testing and Procedures; Closed vent system and control device (not flare) operating plan--efficiency demonstration	Y	
60.113b(c)(1)(ii)	Testing and Procedures; Closed vent system and control device (not flare) operating plan--monitoring parameters	Y	
60.113b(c)(2)	Testing and Procedures; Closed vent system and control device (not flare) operate in accordance with operating plan	Y	
60.115b(c)(1)	Reporting and Recordkeeping Requirements; Closed vent system and control device (not flare) operating plan copy	Y	
60.115b(c)(2)	Reporting and Recordkeeping Requirements; Closed vent system and control device (not flare) operating records	Y	
60.116b(a)	Monitoring of Operations; Record retention	Y	
40 CFR 61, Subpart FF	**National Emission Standards for Benzene Waste Operations**		

IV. Source Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
61.349(a)(2)	Standards: Closed-Vent Systems and Control Devices; Control device requirements		
61.349(a)(2)(i)	Standards: Closed-Vent Systems and Control Devices; Enclosed combustion device requirements		
61.349(a)(2)(i)(A)	Controlled by enclosed combustion device with greater than 95% control efficiency.		
61.354(c)	Monitoring of Operations; Closed-vent systems and control devices--Continuously monitor control device operation		
61.354(c)(4)	Monitoring for a boiler or process heater having a design heat input capacity less than 44 MW		
40 CFR 60, Subpart UU	**Standards of Performance for Asphalt Processing and Asphalt Roofing Manufacture (8/6/82)**		
60.472(c)	Opacity standard	Y	
60.473(c)	Parametric monitoring	Y	
60.473(d)	Exemption from quarterly reports	Y	
BAAQMD Condition #1240			
Part I.5	Refinery 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.32a	Requirement for control of S13 (8-5-311.3, NSPS, cumulative increase, toxics)	Y	
Part II.32b	Requirement for control of S59 (8-5-311.3, NSPS, cumulative	Y	

IV. Source Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	increase, toxics)		
Part II.32c	Requirement for control of S63 (8-5-311.3, NSPS, cumulative increase, offsets, BACT)	Y	
Part II.43	Control Requirement (BACT, Cumulative Increase, offsets)	Y	
Part II.44	Vapor recovery and fugitive emission requirement (BACT, Cumulative Increase, offsets)	Y	
Part II.55	Control and Destruction Efficiency Requirements (Cumulative Increase, Offsets)	Y	
Part II.56	Control and Destruction Efficiency Requirements (Cumulative Increase, Offsets)	Y	
Part II.57	Control and Destruction Efficiency Requirements (Cumulative Increase, Offsets)	Y	
Part II.58b	Continuous Temperature Monitoring (40 CFR 60.473(c), 2-6-409.2.2)	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	Definition of Allowable Temperature Excursions (2-1-403)	Y	
Part II.85	Vapor recovery and control requirement (BACT, cumulative increase, contemporaneous emission reductions)	Y	
Part V.1	NOX and CO limits (Cumulative Increase)	Y	

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

IV. Source Specific Applicable Requirements

Table IV - Q
Source-specific Applicable Requirements
S25, S28 EFFLUENT WATER FEED TANKS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 5	**Organic Compounds, Storage of Organic Liquids (11/27/02)**		
8-5-117	Exemption, Low Vapor Pressure	N	
SIP Regulation 8, Rule 5	**Storage of Organic Liquids (10/10/01)**		
8-5-117	Exemption, Low Vapor Pressure	Y[1]	
40 CFR 61 Subpart FF	**National Emission Standards for Benzene Waste Operations**		
61.343(a)	Standards: Tanks; Benzene-containing wastes	Y	
61.343(a)(1)	Standards: Tanks; Fixed Roof--with closed vent system	Y	
61.343(a)(1)(i)(B)	Standards: Tanks; Fixed Roof--No openings	Y	
61.343(a)(1)(ii)	Standards: Tanks; Closed-vent systems are subject to 61.349	Y	
61.343(c)	Standards: Tanks; Fixed roof quarterly inspection	Y	
61.343(d)	Standards: Tanks; Fixed roof repairs	Y	
61.349(a)	Standards: Closed-Vent Systems and Control Devices; Applicability	Y	
61.349(a)(1)	Standards: Closed-Vent Systems and Control Devices; Closed vent system requirements	Y	
61.349(a)(1)(ii)(B)	Car-sealed valves on bypass lines in closed-vent system	Y	
61.349(a)(1)(iii)	Gauging/sampling devices are gas-tight	Y	
61.349(a)(1)(iv)	Safety valve provisions	Y	
61.349(a)(2)	Standards: Closed-Vent Systems and Control Devices; Control device requirements	Y	
61.349(a)(2)(i)	Standards: Closed-Vent Systems and Control Devices; Enclosed combustion device requirements	Y	

IV. Source Specific Applicable Requirements

Table IV - Q
Source-specific Applicable Requirements
S25, S28 EFFLUENT WATER FEED TANKS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
61.349(a)(2)(i)(A)	Controlled by enclosed combustion device with greater than 95% control efficiency.	Y	
61.349(b)	Operated at all times.	Y	
61.349(c)	Standards: Closed-Vent Systems and Control Devices; Control Device Performance Demonstration	Y	
61.349(c)(1)	Demonstrate efficiency required in 61.349(a)(2)	Y	
61.349(e)	Administrator may request performance tests	Y	
61.349(f)	Visually inspect for leaks quarterly	Y	
61.349(g)	Repair leaks: 5 days for first attempt; 15 days for complete repair	Y	
61.349(h)	Monitor per 61.354(c)	Y	
61.354(c)	Monitoring of Operations; Closed-vent systems and control devices--Continuously monitor control device operation	Y	
61.354(c)(1)	Monitor thermal vapor incinerator temperature	Y	
61.354(c)(4)	Monitoring for a boiler or process heater having a design heat input capacity less than 44 MW	Y	
61.354(f)	Monitoring of Operations; Closed vent system with bypass line	Y	
61.354(f)(1)	Visually inspect carseal/valve positions monthly	Y	
61.356(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)(2)	Recordkeeping Requirements: Closed vent system and control device engineering calculations--design analysis	Y	
61.356(f)(2)(i)	Recordkeeping Requirements: Closed vent system and control device engineering calculations--design analysis	Y	
61.356(f)(2)(i)(A)	Recordkeeping Requirements: Closed vent system and control device engineering calculations--design analysis thermal vapor incinerator	Y	
61.356(f)(2)(i)(C)	Recordkeeping Requirements: Closed vent system and control device engineering calculations--design analysis process heater	Y	
61.356(g)	Recordkeeping Requirements: Visual inspection per 61.343 through 61.347	Y	

IV. Source Specific Applicable Requirements

Table IV - Q
Source-specific Applicable Requirements
S25, S28 EFFLUENT WATER FEED TANKS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
61.356(h)	Recordkeeping Requirements: No detectable emissions tests per 61.343 through 61.347, and 61.349	Y	
61.356(j)	Recordkeeping Requirements: Control device operation	Y	
61.356(j)(1)	Recordkeeping Requirements: dates of startup and shutdown	Y	
61.356(j)(2)	Recordkeeping Requirements: description of parameters	Y	
61.356(j)(3)	Recordkeeping Requirements: Control device operational upsets	Y	
61.356(j)(3)(i)	Recordkeeping Requirements; Bypass Line Controls	Y	
61.356(j)(4)	Recordkeeping Requirements: Control device operation—Thermal vapor incinerator	Y	
61.356(j)(6)	Recordkeeping Requirements: Control device operation- process heater	Y	
61.357(d)(7)	Reporting Requirements: Quarterly report requirements	Y	
61.357(d)(7)(iv)	Reporting Requirements: Quarterly report--Control device monitored per 61.354(c)	Y	
61.357(d)(7)(iv)(A)	Reporting Requirements: Quarterly report--Thermal vapor incinerator	Y	
61.357(d)(7)(iv)(C)	Reporting Requirements: Quarterly report--Thermal vapor incinerator—Process Heater	Y	
61.357(d)(7)(iv)(G)	Reporting Requirements: change of location where vent stream is introduced into flame zone	Y	
BAAQMD Condition #1240			
Part I.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	

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

IV. Source Specific Applicable Requirements

regulation.

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 5	**Organic Compounds, Storage of Organic Liquids (01/20/1993)**		
8-5-117	Exemption, Low Vapor Pressure	N	
SIP Regulation 8, Rule 5	**Storage of Organic Liquids (10/10/01)**		
8-5-117	Exemption, Low Vapor Pressure	Y[1]	
40 CFR 61 Subpart FF	**National Emission Standards for Benzene Waste Operations**		
61.343(a)	Standards: Tanks; Benzene-containing wastes	Y	
61.343(a)(1)	Standards: Tanks; Fixed Roof—with closed vent system	Y	
61.343(a)(1)(i)(B)	Standards: Tanks; Fixed Roof—No openings	Y	
61.343(a)(1)(ii)	Standards: Tanks; Closed-vent systems are subject to 61.349	Y	
61.343(c)	Standards: Tanks; Fixed roof quarterly inspection	Y	
61.343(d)	Standards: Tanks; Fixed roof repairs	Y	
61.349(a)	Standards: Closed-Vent Systems and Control Devices; Applicability	Y	
61.349(a)(1)	Standards: Closed-Vent Systems and Control Devices; Closed vent system requirements	Y	
61.349(a)(1)(ii)(B)	Car-sealed valves on bypass lines in closed-vent system	Y	
61.349(a)(1)(iii)	Gauging/sampling devices are gas-tight	Y	
61.349(a)(1)(iv)	Safety valve provisions	Y	
61.349(a)(2)	Standards: Closed-Vent Systems and Control Devices; Control device requirements	Y	
61.349(a)(2)(ii)	Controlled by vapor recovery: 95% VOC or 98% benzene control efficiency.	Y	
61.349(b)	Operated at all times.	Y	
61.349(c)	Standards: Closed-Vent Systems and Control Devices; Control Device Performance Demonstration	Y	
61.349(c)(1)	Demonstrate efficiency required in 61.349(a)(2)	Y	
61.349(e)	Administrator may request performance tests	Y	
61.349(f)	Visually inspect for leaks quarterly	Y	

IV. Source Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
61.349(g)	Repair leaks: 5 days for first attempt; 15 days for complete repair	Y	
61.349(h)	Monitor per 61.354(c)	Y	
61.354(d)	Non-regenerated carbon adsorption system requirements	Y	
61.354(f)	Monitoring of Operations; Closed vent system with bypass line	Y	
61.354(f)(1)	Visually inspect carseal/valve positions monthly	Y	
61.356(a)	Recordkeeping and retention requirements	Y	
61.356(d)	Engineering design documentation for all control equipment	Y	
61.356(f)	Recordkeeping Requirements: Closed vent system and control device per 61.349--retain for life of device	Y	
61.356(f)(1)	Recordkeeping Requirements: Closed vent system and control device engineering calculations-- Certification of performance level	Y	
61.356(f)(2)	Recordkeeping Requirements: Closed vent system and control device engineering calculations--design analysis	Y	
61.356(f)(2)(i)	Recordkeeping Requirements: Closed vent system and control device engineering calculations--design analysis	Y	
61.356(f)(2)(i)(G)	Recordkeeping Requirements: Design analysis carbon absorption system without in-situ regeneration	Y	
61.356(g)	Recordkeeping Requirements: Visual inspection per 61.343 through 61.347	Y	
61.356(h)	Recordkeeping Requirements: No detectable emissions tests per 61.343 through 61.347, and 61.349	Y	
61.356(j)	Recordkeeping Requirements: Control device operation	Y	
61.356(j)(1)	Recordkeeping Requirements: Control device operation-dates of startup and shutdown	Y	
61.356(j)(2)	Recordkeeping Requirements: Control device operation-description of parameters	Y	
61.356(j)(3)	Recordkeeping Requirements: Control device operational upsets	Y	
61.356(j)(3)(i)	Recordkeeping Requirements; Bypass Line Controls	Y	
61.356(j)(10)	Recordkeeping Requirements: Control device operation--Carbon absorber without in situ regeneration	Y	
61.357(d)(7)	Reporting Requirements: Quarterly report requirements	Y	
61.357(d)(7)(iv)	Reporting Requirements: Quarterly report--Control device monitored per 61.354(c)	Y	
61.357(d)(7)(iv)(I)	Reporting Requirements-carbon not replaced at proper interval	Y	
BAAQMD Condition #1240			
Part I.14	Facility Limits (Cumulative Increase)	Y	

IV. Source Specific Applicable Requirements

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

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

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

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 5	**Storage of Organic Liquids (11/27/02)**		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	N	
8-5-111.1	Notice to the APCO	N	
8-5-111.2	Compliance before notification	Y	
8-5-111.3	Continuous and quick filling, emptying and refilling	Y	
8-5-111.4	Use of vapor recovery	Y	
8-5-111.5	Minimization of emissions	N	
8-5-111.6	Written notice of completion not required	Y	
8-5-111.7	Compliance with Section 8-5-328	N	
8-5-112	Limited Exemption, Tanks in Operation	N	
8-5-112.1	Notice to the APCO	N	
8-5-112.2	Compliance and certification before commencement of work	N	
8-5-112.3	No product movement; minimization of emissions	N	
8-5-112.4	Exemption does not exceed 7 days	N	

IV. Source Specific Applicable Requirements

Table IV - S
Source-specific Applicable Requirements
S27, Recovered Oil Tank-TK-12A Abated by Carbon

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-5-301	Storage Tank Control Requirements (internal floating roof, external floating roof, or approved emission control system)	N	
8-5-306	Requirements for Approved Emission Control Systems	N	
8-5-328	Tank Cleaning Requirements	Y	
8-5-328.1.2	Concentration of <10,000 ppm as methane after cleaning	N	
8-5-328.2	Tank degassing when ozone excess is predicted	N	
8-5-329	Ozone Excess Day Prohibition	Y	
8-5-501	Records	Y	
8-5-501.1	Records of type and amount of liquids stored and true vapor pressures	N	
8-5-503	Portable hydrocarbon detector	N	
8-5-603	Determination of emissions	N	
8-5-603.1	Determination of Emissions; Organic compounds specified in 8-5-311.3	N	
SIP Regulation 8, Rule 5	**Organic Compounds, Storage of Organic Liquids (10/10/01)**		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y[1]	
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service, 3 day prior written notice	Y[1]	
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service, Minimize emissions	Y[1]	
8-5-112	Limited Exemption, Tanks in Operation	Y[1]	
8-5-112.1	Limited Exemption, Tanks in Operation, Tank in compliance prior to start of work. Certified per 8-5-404	Y[1]	
8-5-112.2	Limited Exemption, Tanks in Operation, No product movement, Minimize emissions	Y[1]	
8-5-112.3	Limited Exemption, Tanks in Operation, Not to exceed 7 days	Y[1]	
8-5-301	Storage Tanks Smaller than $150m^3$	Y[1]	
8-5-301.3	Storage Tanks Smaller than 150 cubic meter with vapor loss control device in compliance with 8-5-311	Y[1]	
8-5-311	Vapor loss control device requirements	Y[1]	
8-5-311.3	Vapor Loss Control Device Requirements; Approved emission control system	Y[1]	
8-5-328	Tank cleaning requirements	Y[1]	
8-5-328.2	Concentration of <10,000 ppm as methane after cleaning	Y[1]	
8-5-501	Records	Y[1]	
8-5-603	Determination of emissions	Y[1]	
8-5-603.1	Determination of Emissions; Organic compounds specified in 8-5-311.3	Y[1]	

IV. Source Specific Applicable Requirements

Table IV - S
Source-specific Applicable Requirements
S27, Recovered Oil Tank-TK-12A Abated by Carbon

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
40 CFR 61 Subpart FF	**National Emission Standards for Benzene Waste Operations**		
61.343(a)	Standards: Tanks; Benzene-containing wastes	Y	
61.343(a)(1)	Standards: Tanks; Fixed Roof--with closed vent system	Y	
61.343(a)(1)(i)(B)	Standards: Tanks; Fixed Roof--No openings	Y	
61.343(a)(1)(ii)	Standards: Tanks; Closed-vent systems are subject to 61.349	Y	
61.343(c)	Standards: Tanks; Fixed roof quarterly inspection	Y	
61.343(d)	Standards: Tanks; Fixed roof repairs	Y	
61.349(a)	Standards: Closed-Vent Systems and Control Devices; Applicability	Y	
61.349(a)(1)	Standards: Closed-Vent Systems and Control Devices; Closed vent system requirements	Y	
61.349(a)(1)(ii)(B)	Car-sealed valves on bypass lines in closed-vent system	Y	
61.349(a)(1)(iii)	Gauging/sampling devices are gas-tight	Y	
61.349(a)(1)(iv)	Safety valve provisions	Y	
61.349(a)(2)	Standards: Closed-Vent Systems and Control Devices; Control device requirements	Y	
61.349(a)(2)(ii)	Controlled by vapor recovery: 95% VOC or 98% benzene control efficiency.	Y	
61.349(b)	Operated at all times.	Y	
61.349(c)	Standards: Closed-Vent Systems and Control Devices; Control Device Performance Demonstration	Y	
61.349(c)(1)	Demonstrate efficiency required in 61.349(a)(2)	Y	
61.349(e)	Administrator may request performance tests	Y	
61.349(f)	Visually inspect for leaks quarterly	Y	
61.349(g)	Repair leaks: 5 days for first attempt; 15 days for complete repair	Y	
61.349(h)	Monitor per 61.354(c)	Y	
61.354(d)	Non-regenerated carbon adsorption system requirements	Y	
61.354(f)	Monitoring of Operations; Closed vent system with bypass line	Y	
61.354(f)(1)	Visually inspect carseal/valve positions monthly	Y	
61.356(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	

IV. Source Specific Applicable Requirements

Table IV - S
Source-specific Applicable Requirements
S27, Recovered Oil Tank-TK-12A Abated by Carbon

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
61.356(f)(1)	Recordkeeping Requirements: Closed vent system and control device engineering calculations--design analysis	Y	
61.356(f)(2)	Recordkeeping Requirements: Closed vent system and control device engineering calculations--design analysis	Y	
61.356(f)(2)(i)	Recordkeeping Requirements: Closed vent system and control device engineering calculations--design analysis	Y	
61.356(f)(2)(i)(G)	Recordkeeping Requirements: Design analysis carbon absorption system without in-situ regeneration	Y	
61.356(g)	Recordkeeping Requirements: Visual inspection per 61.343 through 61.347	Y	
61.356(h)	Recordkeeping Requirements: No detectable emissions tests per 61.343 through 61.347, and 61.349	Y	
61.356(j)	Recordkeeping Requirements: Control device operation	Y	
61.356(j)(1)	Recordkeeping Requirements: Control device operation-dates of startup and shutdown	Y	
61.356(j)(2)	Recordkeeping Requirements: Control device operation-description of parameters	Y	
61.356(j)(3)	Recordkeeping Requirements: Control device operational upsets	Y	
61.356(j)(3)(i)	Recordkeeping Requirements; Bypass Line Controls	Y	
61.356(j)(10)	Recordkeeping Requirements: Control device operation--Carbon absorber without in situ regeneration	Y	
61.357(d)(7)	Reporting Requirements: Quarterly report requirements	Y	
61.357(d)(7)(iv)	Reporting Requirements: Quarterly report--Control device monitored per 61.354(c)	Y	
61.357(d)(7)(iv)(I)	Reporting Requirements	Y	
BAAQMD Condition #1240			
Part I.14	Facility Limits (Cumulative Increase)	Y	
Part I.18	Cumulative Increase Monitoring (Cumulative Increase)	Y	
Part I.18a	NMHC and NOx estimates (Cumulative Increase)	Y	
Part I.18e	Estimates of NMHC emissions from wastewater sources (Cumulative Increase)	Y	
Part I.18j	Summary of emissions estimates and reports of non-compliance (Cumulative Increase)	Y	

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

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IV. Source Specific Applicable Requirements

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

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

IV. Source Specific Applicable Requirements

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

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

IV. Source Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part III.9	Recordkeeping (Cumulative Increase)	Y	

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann #1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Regulation 8, Rule 6	**Organic Liquid Bulk Terminals And Bulk Plants (2/2/94)**		
8-6-114	Exemption, Maintenance and Repair	Y	
8-6-301	Bulk Terminal Limitations	Y	
8-6-305	Delivery Vehicle Requirements	Y	
8-6-306	Equipment Maintenance	Y	
8-6-307	Operating Practices	Y	
8-6-501	Efficiency and Rate Determination	Y	
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.18	Cumulative Increase Monitoring (Cumulative Increase)	Y	

IV. Source Specific Applicable Requirements

Table IV - V
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
Part I.18a	NMHC and NOx estimates (Cumulative Increase)	Y	
Part I.18d	Estimates of NMHC emissions from loading racks (Cumulative Increase)	Y	
Part I.18j	Summary of emissions estimates and reports of non-compliance (Cumulative Increase)	Y	
Part II.58b	Continuous Temperature Monitoring (40 CFR 60.473(c), 2-6-409.2.2)	Y	
Part II.66	Control Requirement (Cumulative Increase)	Y	
Part II.69	Destruction Efficiency Requirement (Cumulative Increase, BACT)	Y	
Part II.72	Vapor Pressure Requirement (Cumulative Increase, offsets, toxics)	Y	
Part II.73	Vapor Pressure Requirement for Asphalt (Cumulative Increase, offsets, toxics)		
Part II.74	Asphalt Throughput Requirement	Y	
Part II.75	Recordkeeping Requirement (Cumulative Increase)	Y	

Table IV - W
Source-specific Applicable Requirements
S32, LGO Stripper

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 10	**Organic Compound – Process Vessel Depressurization (7/20/83)**		
8-10-301	Process Vessel Depressurizing. POC emissions shall be vented through a knock-out pot and then abated in one of the following ways, to as low a vessel pressure as possible, but at least until pressure is reduced to less than 1000 mm Hg:	Y	
8-10-301.1	recovery to the fuel gas system	Y	
8-10-301.2	combustion at a firebox or incinerator	Y	
8-10-301.3	combustion at a flare	Y	
8-10-301.4	containment such that emissions to atmosphere do not occur	Y	

IV. Source Specific Applicable Requirements

Table IV - W
Source-specific Applicable Requirements
S32, LGO STRIPPER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-10-401	Turnaround Records. The following records shall be kept for each process unit turnaround, and retained for at least 2 years and made available to the District on demand during inspections:	Y	
8-10-401.1	date of depressurization event	Y	
8-10-401.2	approximate vessel hydrocarbon concentration when emissions to atmosphere begin	Y	
8-10-401.3	approximate quantity of POC emissions to atmosphere	Y	
40 CFR 63 Subpart CC	**National Emission Standards for Hazardous Pollutants for Petroleum Refining (8/18/95)**		
63.643(a)	Miscellaneous Process Vent Provisions	Y	
63.643(a)(2)	Control device requirements	Y	
63.643(b)	Boiler or process heater requirements	Y	
63.644(a)	Monitoring Provisions for Miscellaneous Process Vents	Y	
63.644(a)(3)	Boiler or process heater > 44 MW or process gas introduced into flame zone	Y	
63.645(a)	Demonstrations of compliance	Y	
63.645(d)	This subsection governs instead of 63.116(b)(1) or (b)(2)	Y	
63.645(d)(2)	Any boiler or process heater in which all vent streams are introduced into the flame zone	Y	
BAAQMD Condition #1240			
Part I.7	Mechanical seals, packing, and compressor seals (Cumulative Increase)	Y	
Part I.14	Facility Limits (Cumulative Increase)	Y	
Part I.16	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	

IV. Source Specific Applicable Requirements

Table IV - W
Source-specific Applicable Requirements
S32, LGO STRIPPER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part II.6	Safety Relief System (Cumulative Increase)	Y	

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

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

IV. Source Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	Increase)		
Part I.18j	Summary of emissions estimates and reports of non-compliance (Cumulative Increase)	Y	

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 5	**Organic Compounds, Storage of Organic Liquids (11/27/02)**		
8-5-117	Exemption, Low Vapor Pressure	N	
SIP Regulation 8, Rule 5	**Storage of Organic Liquids (10/10/01)**		
8-5-117	Exemption, Low Vapor Pressure	Y[1]	
BAAQMD Condition #1240			
Part I.14	Facility Limits (Cumulative Increase)	Y	

IV. Source Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 5	**Organic Compounds, Storage of Organic Liquids (11/27/02)**		
8-5-117	Exemption, Low Vapor Pressure	N	
SIP Regulation 8, Rule 5	**Storage of Organic Liquids (10/10/01)**		
8-5-117	Exemption, Low Vapor Pressure	Y[1]	
BAAQMD Condition #1240			
Part I.14	Facility Limits (Cumulative Increase)	Y	

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

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 8	**Wastewater (Oil-Water) Separators (6/15/94)**		
8-8-303	Gauging and Sampling Devices	Y	
8-8-307	Air Flotation Unit	Y	
8-8-307.2	Combined collection and destruction efficiency of 70% by weight	Y	
8-8-501	API Separator or Air Flotation Bypassed Wastewater Records	Y	
8-8-503	Inspection and Repair Records	Y	
8-8-504	Portable Hydrocarbon Detector	Y	

IV. Source Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-8-603	Inspection Procedures	Y	
40 CFR 61 Subpart FF	**National Emission Standards for Benzene Waste Operations**		
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)(B)	Standards: Oil-Water Separators; Fixed roof--No openings	Y	
61.347(a)(1)(ii)	Closed-vent systems are subject to 61.349.	Y	
61.347(b)	Cover seals, access hatches , and other openings shall be checked visually initially and quarterly thereafter to ensure no cracks, gaps occur between the cover and wall and that access hatches are closed and gasketted properly.	Y	
61.347(c)	except for delay or repair, when a broken seal or gasket or other problem is identified, or when detectable emissions are measured, first efforts repairs shall be made AS SOON AS POSSIBLE, but not later than 15 calendar days after identification	Y	
61.349(a)	Standards: Closed-Vent Systems and Control Devices; Applicability	Y	
61.349(a)(1)	Standards: Closed-Vent Systems and Control Devices; Closed vent system requirements	Y	
61.349(a)(1)(ii)(B)	Car-sealed valves on bypass lines in closed-vent system	Y	
61.349(a)(1)(iii)	Gauging/sampling devices are gas-tight	Y	
61.349(a)(1)(iv)	Safety valve provisions	Y	
61.349(a)(2)	Standards: Closed-Vent Systems and Control Devices; Control device requirements	Y	
61.349(a)(2)(i)	Standards: Closed-Vent Systems and Control Devices; Enclosed combustion device requirements	Y	

IV. Source Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
61.349(a)(2)(i)(A)	Controlled by enclosed combustion device with greater than 95% control efficiency.	Y	
61.349(b)	Operated at all times.	Y	
61.349(c)	Standards: Closed-Vent Systems and Control Devices; Control Device Performance Demonstration	Y	
61.349(c)(1)	Demonstrate efficiency required in 61.349(a)(2)	Y	
61.349(e)	Administrator may request performance tests	Y	
61.349(f)	Visually inspect for leaks quarterly	Y	
61.349(g)	Repair leaks: 5 days for first attempt; 15 days for complete repair	Y	
61.349(h)	Monitor per 61.354(c)	Y	
61.354(c)	Monitoring of Operations; Closed-vent systems and control devices--Continuously monitor control device operation	Y	
61.354(c)(1)	Monitor thermal vapor incinerator temperature	Y	
61.354(f)	Monitoring of Operations; Closed vent system with bypass line	Y	
61.354(f)(1)	Visually inspect carseal/valve positions monthly	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 60.473(c), 2-6-409.2.2)	Y	
Part II.92	Throughput Limit (Cumulative Increase)	Y	
Part II.92a	Recordkeeping (Cumulative Increase)	Y	

IV. Source Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann #1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Regulation 8, Rule 5	**Organic Compounds, Storage of Organic Liquids (11/27/02)**		
8-5-117	Exemption, Low Vapor Pressure	N	
SIP Regulation 8, Rule 5	**Storage of Organic Liquids (10/10/01)**		
8-5-117	Exemption, Low Vapor Pressure	Y[1]	
BAAQMD Regulation 8, Rule 15	**Organic Compounds, Emulsified and Liquid Asphalts (6/1/94)**		
8-15-305	Prohibition of Manufacture and Sale	Y	
8-15-501	Records	Y	
40 CFR 60, Subpart UU	**Standards of Performance for Asphalt Processing and Asphalt Roofing Manufacture (8/6/82)**		
60.472(c)	Opacity standard	Y	
60.473(c)	Parametric monitoring	Y	
60.473(d)	Exemption from quarterly reports	Y	
40 CFR 63 Subpart CC	**National Emission Standards for Hazardous Pollutants for Petroleum Refining (8/18/95)**		
63.646(b)(1)	Storage Vessel Provisions--Determine stored liquid % OHAP for group determination	Y	
63.646(b)(2)	Storage Vessel Provisions--Determine stored liquid % OHAP-method 18 to resolve disputes	Y	
63.654(i)(1)	Reporting and Recordkeeping Requirements--Recordkeeping for storage vessels	Y	
63.654(i)(1)(iv)	Reporting and Recordkeeping Requirements--Recordkeeping for storage vessels	Y	

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
63.654(i)(4)	Reporting and Recordkeeping Requirements--Recordkeeping--Record retention	Y	
BAAQMD Condition #1240			
Part I.14	Facility Limits (Cumulative Increase)	Y	
Part I.18	Cumulative Increase Monitoring (Cumulative Increase)	Y	
Part I.18a	NMHC and NOx estimates (Cumulative Increase)	Y	
Part I.18c	Estimates of NMHC emissions from tanks (Cumulative Increase)	Y	
Part I.18j	Summary of emissions estimates and reports of non-compliance (Cumulative Increase)	Y	
Part II.48	Throughput Limit (Cumulative Increase, Offsets)	Y	
Part II.49	Prohibition against cutback asphalt (Toxics)	Y	
Part II.50	Vapor Pressure Limit (Cumulative Increase, Offsets, ***NSPS***)	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 60.473(c), 2-6-409.2.2)	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	Definition of Allowable Temperature Excursions (2-1-403)	Y	

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

IV. Source Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann #1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Regulation 8, Rule 6	**Organic Liquid Bulk Terminals And Bulk Plants (2/2/94)**		
8-6-110	Low Vapor Pressure Exemption		
8-6-503	Burden of Proof for Low Vapor Pressure Exemption		
8-6-603	Analysis of Samples, True Vapor Pressure		
BAAQMD Regulation 8, Rule 15	**Organic Compounds, Emulsified and Liquid Asphalts (6/1/94)**		
8-15-305	Prohibition of Manufacture and Sale	Y	
8-15-501	Records	Y	
BAAQMD Condition #1240			
Part I.14	Facility Limits (Cumulative Increase)	Y	
Part I.18	Cumulative Increase Monitoring (Cumulative Increase)	Y	
Part I.18a	NMHC and NOx estimates (Cumulative Increase)	Y	
Part I.18d	Estimates of NMHC emissions from loading racks (Cumulative Increase)	Y	
Part I.18j	Summary of emissions estimates and reports of non-compliance (Cumulative Increase)	Y	
Part II.58b	Continuous Temperature Monitoring (40 CFR 60.473(c), 2-6-409.2.2)	Y	
Part II.67	Control Requirement (Cumulative Increase)	Y	
Part II.70	Destruction Efficiency Requirement (Cumulative Increase, BACT)	Y	
Part II.71	Vapor Pressure Requirement (Cumulative Increase, offsets)	Y	
Part II.74	Asphalt Throughput Requirement	Y	

IV. Source Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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 - 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	N	
8-5-111.1	Notice to the APCO	N	
8-5-111.2	Compliance before notification	Y	
8-5-111.3	Continuous and quick filling, emptying and refilling	Y	
8-5-111.4	Use of vapor recovery	Y	
8-5-111.5	Minimization of emissions	N	
8-5-111.6	Written notice of completion not required	Y	
8-5-111.7	Compliance with Section 8-5-328	N	
8-5-112	Limited Exemption, Tanks in Operation	N	
8-5-112.1	Notice to the APCO	N	
8-5-112.2	Compliance and certification before commencement of work	N	
8-5-112.3	No product movement; minimization of emissions	N	
8-5-112.4	Exemption does not exceed 7 days	N	
8-5-301	Storage Tank Control Requirements (internal floating roof, external floating roof, or approved emission control system)	N	
8-5-306	Requirements for Approved Emission Control Systems	N	
8-5-328	Tank Cleaning Requirements	Y	
8-5-328.1.2	Concentration of <10,000 ppm as methane after cleaning	N	

IV. Source Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-5-328.2	Tank degassing when ozone excess is predicted	N	
8-5-329	Ozone Excess Day Prohibition	Y	
8-5-501	Records	N	
8-5-501.1	Records of type and amount of liquids stored and true vapor pressures	N	
8-5-503	Portable hydrocarbon detector	N	
8-5-603	Determination of emissions	N	
8-5-603.1	Determination of Emissions; Organic compounds specified in 8-5-311.3	N	
SIP Regulation 8, Rule 5	**Storage of Organic Liquids (10/10/01)**		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	N	
8-5-112	Limited Exemption, Tanks in Operation	N	
8-5-304	Storage tanks larger than 75 cubic meter	Y	
8-5-304.2	Storage tanks larger than 150 cubic meter storing liquid with a true vapor pressure greater than 25.8 mm Hg	Y	
8-5-311	Vapor Loss Control Device Requirements	Y	
8-5-311.3	An Approved Emission Control System which collects & processes all organic/gases	Y	
8-5-328	Tank Cleaning Requirements	Y	
8-5-328.2	Concentration of <10,000 ppm as methane after cleaning	Y	
8-5-501	Records	Y	
8-5-503	Portable hydrocarbon detector	Y	
8-5-603	Determination of emissions	Y	
8-5-603.1	Determination of Emissions; Organic compounds specified in 8-5-311.3	Y	
40 CFR 60 Subpart Kb	**New Source Performance Standard for Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction or Modification Commenced After July 23, 1984.**		
60.110b(a)	Applicability and Designation of Affected Facility; Volatile organic liquid storage vessels > or = to 40 cubic meter, after 7/23/1984	Y	
60.112b(a)(3)(i)	Standard for Volatile Organic Compounds (VOC); Closed vent system and control device no detectable emissions	Y	

IV. Source Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.112b(a)(3)(ii)	Standard for Volatile Organic Compounds (VOC); Closed vent system and control device >= 95% inlet VOC emission reduction	Y	
60.112b(b)(1)	Standard for Volatile Organic Compounds (VOC); Closed vent system and control device option	Y	
60.113b(c)	Testing and Procedures; Closed vent system and control device (not flare)	Y	
60.113b(c)(1)	Testing and Procedures; Closed vent system and control device (not flare) operating plan submission	Y	
60.113b(c)(1)(i)	Testing and Procedures; Closed vent system and control device (not flare) operating plan--efficiency demonstration	Y	
60.113b(c)(1)(ii)	Testing and Procedures; Closed vent system and control device (not flare) operating plan--monitoring parameters	Y	
60.113b(c)(2)	Testing and Procedures; Closed vent system and control device (not flare) operate in accordance with operating plan	Y	
60.115b	Reporting and Recordkeeping Requirements; 60.112b(a) tanks	Y	
60.115b(c)(1)	Reporting and Recordkeeping Requirements; Closed vent system and control device (not flare) operating plan copy	Y	
60.115b(c)(2)	Reporting and Recordkeeping Requirements; Closed vent system and control device (not flare) operating records	Y	
60.116b(a)	Monitoring of Operations; Record retention	Y	
60.116b(b)	Monitoring of Operations; Permanent record requirements	Y	
60.116b(g)	Monitoring of Operations; Exemption from 116b(c) and 116b(d)	Y	
40 CFR 63 Subpart CC	**National Emission Standards for Hazardous Air Pollutants for Petroleum Refineries (06/12/1996)**		
63.640(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	
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 - 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 I.18c	Estimates of NMHC emissions from tanks (Cumulative Increase)	Y	
Part I.18j	Summary of emissions estimates and reports of non-compliance (Cumulative Increase)	Y	
Part II.30	Storage of Materials other than Kerosene, Light or Heavy Vacuum Gas Oil, or Asphalt (Cumulative Increase, Toxics)	Y	
Part II.31	Vapor Pressure Limit (Cumulative Increase, Toxics)	Y	
Part II.32b	Control and Destruction Efficiency Requirement (Regulation 8-5-311.3, NSPS, Cumulative Increase, Toxics)	Y	
Part II.33a	Throughput Limit (Cumulative Increase, Toxics)	Y	
Part II.34	Recordkeeping (Cumulative Increase)	Y	
Part II.58b	Continuous Temperature Monitoring (40 CFR 60.473(c), 2-6-409.2.2)	Y	

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

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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 (01/20/1993)**		
8-5-117	Exemption, Low Vapor Pressure	N	

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
SIP Regulation 8, Rule 5	**Storage of Organic Liquids (10/10/01)**		
8-5-117	Exemption, Low Vapor Pressure	Y[1]	
BAAQMD Regulation 8, Rule 15	**Organic Compounds, Emulsified and Liquid Asphalts (6/1/94)**		
8-15-305	Prohibition of Manufacture and Sale	Y	
8-15-501	Records	Y	
40 CFR 60, Subpart UU	**Standards of Performance for Asphalt Processing and Asphalt Roofing Manufacture (8/6/82)**		
60.472(c)	Opacity standard	Y	
60.473(c)	Parametric monitoring	Y	
60.473(d)	Exemption from quarterly reports	Y	
40 CFR 63 Subpart CC	**National Emission Standards for Hazardous Pollutants for Petroleum Refining (8/18/95)**		
63.646(b)(1)	Storage Vessel Provisions--Determine stored liquid % OHAP for group determination	Y	
63.646(b)(2)	Storage Vessel Provisions--Determine stored liquid % OHAP-method 18 to resolve disputes	Y	
63.654(i)(1)	Reporting and Recordkeeping Requirements--Recordkeeping for storage vessels	Y	
63.654(i)(1)(iv)	Reporting and Recordkeeping Requirements--Recordkeeping for storage vessels	Y	
63.654(i)(4)	Reporting and Recordkeeping Requirements--Recordkeeping--Record retention	Y	
BAAQMD Condition #1240			
Part I.14	Facility Limits (Cumulative Increase)	Y	
Part I.18	Cumulative Increase Monitoring (Cumulative Increase)	Y	
Part I.18a	NMHC and NOx estimates (Cumulative Increase)	Y	
Part I.18c	Estimates of NMHC emissions from tanks (Cumulative Increase)	Y	
Part I.18j	Summary of emissions estimates and reports of non-compliance	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
	(Cumulative Increase)		
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 60.473(c), 2-6-409.2.2)	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	Definition of Allowable Temperature Excursions (2-1-403)	Y	

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

Table IV - 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	N	
8-5-111.1	Notice to the APCO	N	
8-5-111.2	Compliance before notification	Y	
8-5-111.3	Continuous and quick filling, emptying and refilling	Y	
8-5-111.4	Use of vapor recovery	Y	
8-5-111.5	Minimization of emissions	N	
8-5-111.6	Written notice of completion not required	Y	

IV. Source Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-5-111.7	Compliance with Section 8-5-328	N	
8-5-112	Limited Exemption, Tanks in Operation	N	
8-5-112.1	Notice to the APCO	N	
8-5-112.2	Compliance and certification before commencement of work	N	
8-5-112.3	No product movement; minimization of emissions	N	
8-5-112.4	Exemption does not exceed 7 days	N	
8-5-301	Storage Tank Control Requirements (internal floating roof, external floating roof, or approved emission control system)	N	
8-5-306	Requirements for Approved Emission Control Systems	N	
8-5-328	Tank Cleaning Requirements	N	
8-5-328.1.2	Concentration of <10,000 ppm as methane after cleaning	N	
8-5-328.2	Tank degassing when ozone excess is predicted	N	
8-5-329	Ozone Excess Day Prohibition	Y	
8-5-501	Records	N	
8-5-501.1	Records of type and amount of liquids stored and true vapor pressures	N	
8-5-503	Portable hydrocarbon detector	N	
8-5-603	Determination of emissions	N	
8-5-603.1	Determination of Emissions; Organic compounds specified in 8-5-311.3	N	
SIP Regulation 8, Rule 5	**Storage of Organic Liquids (10/10/01)**		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y[1]	
8-5-111.1	Notice to the APCO	Y[1]	
8-5-111.5	Minimization of emissions	Y[1]	
8-5-111.7	Compliance with Section 8-5-328	Y[1]	
8-5-112	Limited Exemption, Tanks in Operation	Y[1]	
8-5-112.1	Compliance and certification before commencement of work	Y[1]	
8-5-112.2	No product movement; minimization of emissions	Y[1]	
8-5-112.3	Exemption does not exceed 7 days	Y[1]	
8-5-304	Storage tanks larger than 75 cubic meter	Y[1]	
8-5-304.2	Storage tanks larger than 150 cubic meter storing liquid with a true vapor pressure greater than 25.8 mm Hg	Y[1]	

IV. Source Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-5-311	Vapor Loss Control Device Requirements	Y[1]	
8-5-311.3	An Approved Emission Control System which collects & processes all organic/gases	Y[1]	
8-5-328	Tank Cleaning Requirements	Y[1]	
8-5-328.2	Concentration of <10,000 ppm as methane after cleaning	Y[1]	
8-5-501	Records	Y[1]	
8-5-503	Portable hydrocarbon detector	Y[1]	
8-5-603	Determination of emissions	Y[1]	
8-5-603.1	Determination of Emissions; Organic compounds specified in 8-5-311.3	Y[1]	
40 CFR 60 Subpart Kb	**New Source Performance Standard for Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction or Modification Commenced After July 23, 1984.**		
60.110b(a)	Applicability and Designation of Affected Facility; Volatile organic liquid storage vessels > or = to 40 cubic meter, after 7/23/1984	Y	
60.112b(a)(3)(i)	Standard for Volatile Organic Compounds (VOC); Closed vent 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	
60.112b(b)(1)	Standard for Volatile Organic Compounds (VOC); Closed vent system and control device option	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	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
	and control device (not flare) operating plan copy		
60.115b(c)(2)	Reporting and Recordkeeping Requirements; Closed vent system and control device (not flare) operating records	Y	
60.116b(a)	Monitoring of Operations; Record retention	Y	
60.116b(b)	Monitoring of Operations; Permanent record requirements	Y	
60.116b(g)	Monitoring of Operations; Exemption from 116b(c) and 116b(d)	Y	
40 CFR 63 Subpart CC	**National Emission Standards for Hazardous Air Pollutants for Petroleum Refineries (06/12/1996)**		
63.640(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	
BAAQMD Condition #1240			
Part I.14	Facility Limits (Cumulative Increase)	Y	
Part I.18	Cumulative Increase Monitoring (Cumulative Increase)	Y	
Part I.18a	NMHC and NOx estimates (Cumulative Increase)	Y	
Part I.18c	Estimates of NMHC emissions from tanks (Cumulative Increase)	Y	
Part I.18j	Summary of emissions estimates and reports of non-compliance (Cumulative Increase)	Y	
Part II.30	Storage of Materials other than Kerosene, Light or Heavy Vacuum Gas Oil, or Asphalt (Cumulative Increase, Toxics)	Y	
Part II.31	Vapor Pressure Limit (Cumulative Increase, Toxics)	Y	
Part II.32c	Control and Destruction Efficiency Requirement (Regulation 8-5-311.3, NSPS, Cumulative Increase, Toxics)	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 60.473(c), 2-6-409.2.2)	Y	

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

IV. Source Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann #1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Regulation 8, Rule 5	**Organic Compounds, Storage of Organic Liquids (11/27/02)**		
8-5-117	Exemption, Low Vapor Pressure	N	
SIP Regulation 8, Rule 5	**Storage of Organic Liquids (10/10/01)**		
8-5-117	Exemption, Low Vapor Pressure	Y[1]	
BAAQMD Regulation 8, Rule 15	**Organic Compounds, Emulsified and Liquid Asphalts (6/1/94)**		
8-15-305	Prohibition of Manufacture and Sale	Y	
8-15-501	Records	Y	
40 CFR 60, Subpart UU	**Standards of Performance for Asphalt Processing and Asphalt Roofing Manufacture (8/6/82)**		
60.472(c)	Opacity standard	Y	
60.473(c)	Parametric monitoring	Y	
60.473(d)	Exemption from quarterly reports	Y	
40 CFR 63 Subpart CC	**National Emission Standards for Hazardous Pollutants for Petroleum Refining (8/18/95)**		
63.646(b)(1)	Storage Vessel Provisions--Determine stored liquid % OHAP for group determination	Y	
63.646(b)(2)	Storage Vessel Provisions--Determine stored liquid % OHAP-method 18 to resolve disputes	Y	
63.654(i)(1)	Reporting and Recordkeeping Requirements--Recordkeeping for storage vessels	Y	

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
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.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 60.473(c), 2-6-409.2.2))	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	Definition of Allowable Temperature Excursions (2-1-403)	Y	

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

IV. Source Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 8	**Wastewater (Oil-Water) Separators (6/15/94)**		
8-8-301	Wastewater separators designed rated capacity greater than 760 liters per day (200 gal/day) and smaller than 18.9 liters per second (300 gal/min)	Y	
8-8-301.3	An organic compound vapor recovery system with a combined collection and destruction efficiency of at least 95 percent by weight.	Y	
8-8-303	Gauging and Sampling Devices	Y	
8-8-501	API Separator or Air Flotation Bypassed Wastewater Records	Y	
8-8-503	Inspection and Repair Records	Y	
8-8-504	Portable Hydrocarbon Detector	Y	
8-8-602	Determination of Emissions	Y	
8-8-603	Inspection Procedures	Y	
40 CFR 61 Subpart FF	**National Emission Standards for Benzene Waste Operations**		
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)(B)	Standards: Oil-Water Separators; Fixed roof--No openings	Y	
61.347(a)(1)(ii)	Closed-vent systems are subject to 61.349.	Y	
61.347(b)	Cover seals, access hatches , and other openings shall be checked visually initially and quarterly thereafter to ensure no cracks, gaps occur between the cover and wall and that access hatches are closed and gasketted properly.	Y	
61.347(c)	except for delay or repair, when a broken seal or gasket or other problem is identified, or when detectable emissions are measured,	Y	

IV. Source Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	first efforts repairs shall be made AS SOON AS POSSIBLE, but not later than 15 calendar days after identification		
61.349(a)	Standards: Closed-Vent Systems and Control Devices; Applicability	Y	
61.349(a)(1)	Standards: Closed-Vent Systems and Control Devices; Closed vent system requirements	Y	
61.349(a)(1)(ii)(B)	Car-sealed valves on bypass lines in closed-vent system	Y	
61.349(a)(1)(iii)	Gauging/sampling devices are gas-tight	Y	
61.349(a)(1)(iv)	Safety valve provisions	Y	
61.349(a)(2)	Standards: Closed-Vent Systems and Control Devices; Control device requirements	Y	
61.349(a)(2)(i)	Standards: Closed-Vent Systems and Control Devices; Enclosed combustion device requirements	Y	
61.349(a)(2)(i)(A)	Controlled by enclosed combustion device with greater than 95% control efficiency.	Y	
61.349(b)	Operated at all times.	Y	
61.349(c)	Standards: Closed-Vent Systems and Control Devices; Control Device Performance Demonstration	Y	
61.349(c)(1)	Demonstrate efficiency required in 61.349(a)(2)	Y	
61.349(e)	Administrator may request tests	Y	
61.349(f)	Visually inspect for leaks quarterly	Y	
61.349(g)	Repair leaks: 5 days for first attempt; 15 days for complete repair	Y	
61.349(h)	Monitor per 61.354(c)	Y	
61.354(c)	Monitoring of Operations; Closed-vent systems and control devices--Continuously monitor control device operation	Y	
61.354(c)(1)	Monitor thermal vapor incinerator temperature	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	
40 CFR 63 Subpart CC	**National Emission Standards for Hazardous Air Pollutants for Petroleum Refineries (06/12/1996)**		

IV. Source Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.640(o)(1)	Overlap: Sources subject to National Emission Standards for Hazardous Air Pollutants (MACT) Subpart CC and NSPS Subpart QQQ are only required to comply with Subpart CC provisions	Y	
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 60.473(c), 2-6-409.2.2)	Y	
Part II.83	Throughput limit (Cumulative Increase)	Y	
Part II.84	Vapor tightness of cover and access opening (Regulation 8-8)	Y	
Part II.85	Vapor recovery and control requirement (BACT, cumulative increase, contemporaneous emission reductions)	Y	
Part II.86	Negative pressure and fugitive emission requirement (BACT, cumulative increase, contemporaneous emission reductions)	Y	
Part II.87	Monitoring and recordkeeping (Cumulative increase)	Y	
Part II.88	Monitoring and recordkeeping (Cumulative increase)	Y	

IV. Source Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 5	**Storage of Organic Liquids (11/27/02)**		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	N	
8-5-111.1	Notice to the APCO	N	
8-5-111.2	Compliance before notification	Y	
8-5-111.3	Continuous and quick filling, emptying and refilling	Y	
8-5-111.4	Use of vapor recovery	Y	
8-5-111.5	Minimization of emissions	N	
8-5-111.6	Written notice of completion not required	Y	
8-5-111.7	Compliance with Section 8-5-328	N	
8-5-112	Limited Exemption, Tanks in Operation	N	
8-5-112.1	Notice to the APCO	N	
8-5-112.2	Compliance and certification before commencement of work	N	
8-5-112.3	No product movement; minimization of emissions	N	
8-5-112.4	Exemption does not exceed 7 days	N	
8-5-301	Storage Tank Control Requirements (internal floating roof, external floating roof, or approved emission control system)	N	
8-5-306	Requirements for Approved Emission Control Systems	N	
8-5-328	Tank Cleaning Requirements	Y	
8-5-328.1.2	Concentration of <10,000 ppm as methane after cleaning	N	
8-5-328.2	Tank degassing when ozone excess is predicted	N	
8-5-329	Ozone Excess Day Prohibition	Y	
8-5-501	Records	N	
8-5-501.1	Records of type and amount of liquids stored and true vapor pressures	N	
8-5-503	Portable hydrocarbon detector	N	
8-5-603	Determination of emissions	N	
8-5-603.1	Determination of Emissions; Organic compounds specified in 8-5-311.3	N	
SIP Regulation 8, Rule 5	**Organic Compounds, Storage of Organic Liquids (10/10/01)**		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y[1]	
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service, 3 day prior written notice	Y[1]	

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
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service, Tank in compliance prior to notification	Y[1]	
8-5-111.4	Limited Exemption, Tank Removal From and Return to Service, Vapor recovery-equipped tanks	Y[1]	
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service, Minimize emissions	Y[1]	
8-5-111.6	Limited Exemption, Tank Removal From and Return to Service, Notice of completion not required	Y[1]	
8-5-112	Limited Exemption, Tanks in Operation	Y[1]	
8-5-112.1	Limited Exemption, Tanks in Operation, Tank in compliance prior to start of work. Certified per 8-5-404	Y[1]	
8-5-112.2	Limited Exemption, Tanks in Operation, No product movement, Minimize emissions	Y[1]	
8-5-112.3	Limited Exemption, Tanks in Operation, Not to exceed 7 days	Y[1]	
8-5-301	Storage Tanks Smaller than $150m^3$	Y[1]	
8-5-301.3	Storage Tanks Smaller than 150 cubic meter with vapor loss control device in compliance with 8-5-311	Y[1]	
8-5-311	Vapor loss control device requirements	Y[1]	
8-5-311.3	Vapor Loss Control Device Requirements; Approved emission control system	Y[1]	
8-5-328	Tank cleaning requirements	Y[1]	
8-5-328.2	Concentration of <10,000 ppm as methane after cleaning	Y[1]	
8-5-501	Records	Y[1]	
8-5-603.1	Determination of Emissions; Organic compounds specified in 8-5-311.3	Y[1]	
40 CFR 61 Subpart FF	**National Emission Standards for Benzene Waste Operations**		
61.343(a)	Standards: Tanks; Benzene-containing wastes	Y	
61.343(a)(1)	Standards: Tanks; Fixed Roof--with closed vent system	Y	
61.343(a)(1)(i)(B)	Standards: Tanks; Fixed Roof--No openings	Y	
61.343(a)(1)(ii)	Standards: Tanks; Closed-vent systems are subject to 61.349	Y	
61.343(c)	Standards: Tanks; Fixed roof quarterly inspection	Y	
61.343(d)	Standards: Tanks; Fixed roof repairs	Y	
61.349(a)	Standards: Closed-Vent Systems and Control Devices; Applicability	Y	
61.349(a)(1)	Standards: Closed-Vent Systems and Control Devices; Closed vent system requirements	Y	
61.349(a)(1)(ii)(B)	Car-sealed valves on bypass lines in closed-vent system	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)(iii)	Gauging/sampling devices are gas-tight	Y	
61.349(a)(1)(iv)	Safety valve provisions	Y	
61.349(a)(2)	Standards: Closed-Vent Systems and Control Devices; Control device requirements	Y	
61.349(a)(2)(i)	Standards: Closed-Vent Systems and Control Devices; Enclosed combustion device requirements	Y	
61.349(a)(2)(i)(A)	Controlled by enclosed combustion device with greater than 95% control efficiency.	Y	
61.349(b)	Operated at all times.	Y	
61.349(c)	Standards: Closed-Vent Systems and Control Devices; Control Device Performance Demonstration	Y	
61.349(c)(1)	Demonstrate efficiency required in 61.349(a)(2)	Y	
61.349(e)	Administrator may request performance tests	Y	
61.349(f)	Visually inspect for leaks quarterly	Y	
61.349(g)	Repair leaks: 5 days for first attempt; 15 days for complete repair	Y	
61.349(h)	Monitor per 61.354(c)	Y	
61.354(c)	Monitoring of Operations; Closed-vent systems and control devices--Continuously monitor control device operation	Y	
61.354(c)(1)	Monitor thermal vapor incinerator temperature	Y	
61.354(c)(4)	Monitoring for a boiler or process heater having a design heat input capacity less than 44 MW	Y	
61.354(f)	Monitoring of Operations; Closed vent system with bypass line	Y	
61.354(f)(1)	Visually inspect carseal/valve positions monthly	Y	
61.356(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)(2)	Recordkeeping Requirements: Closed vent system and control device engineering calculations--design analysis	Y	
61.356(f)(2)(i)	Recordkeeping Requirements: Closed vent system and control device engineering calculations--design analysis	Y	
61.356(f)(2)(i)(A)	Recordkeeping Requirements: Closed vent system and control device engineering calculations--design analysis thermal vapor incinerator	Y	
61.356(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	

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)	Recordkeeping Requirements: Control device operation	Y	
61.356(j)(1)	Recordkeeping Requirements: dates of startup and shutdown	Y	
61.356(j)(2)	Recordkeeping Requirements: description of parameters	Y	
61.356(j)(3)	Recordkeeping Requirements: Control device operational upsets	Y	
61.356(j)(3)(i)	Recordkeeping Requirements; Bypass Line Controls	Y	
61.356(j)(4)	Recordkeeping Requirements: Control device operation--Thermal vapor incinerator	Y	
61.357(d)(7)	Reporting Requirements: Quarterly report requirements	Y	
61.357(d)(7)(iv)	Reporting Requirements: Quarterly report--Control device monitored per 61.354(c)	Y	
61.357(d)(7)(iv)(A)	Reporting Requirements: Quarterly report--Thermal vapor incinerator	Y	
61.357(d)(7)(iv)(C)	Reporting Requirements	Y	
BAAQMD Condition #1240			
Part I.14	Facility Limits (Cumulative Increase)	Y	
Part I.18	Cumulative Increase Monitoring (Cumulative Increase)	Y	
Part I.18a	NMHC and NOx estimates (Cumulative Increase)	Y	
Part I.18e	Estimates of NMHC emissions from wastewater sources (Cumulative Increase)	Y	
Part I.18j	Summary of emissions estimates and reports of non-compliance (Cumulative Increase)	Y	
Part II.58b	Continuous Temperature Monitoring (40 CFR 60.473(c), 2-6-409.2.2)	Y	

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

IV. Source Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-303	Ringelmann #2 Limitation	Y	
6-303.1	Standby sources of power	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-401	Appearance of Emissions	Y	
BAAQMD · Regulation 9 Rule 1	**Inorganic Gaseous Pollutants, Sulfur Dioxide Emissions Limitations (3/15/95)**		
9-1-304	Fuel Burning (Liquid and Solid fuels)	Y	
BAAQMD · Regulation 9, Rule 9	Nitrogen Oxides And Carbon Monoxide From Stationary Internal Combustion Engines (8/1/01)		
9-8-330	Emergency Standby Engines, Hours of Operation	N	
9-8-530	Emergency standby engines, monitoring and recordkeeping	N	
BAAQMD Condition #1240			
Part I.5	Refinery Heat Input Limit (Cumulative Increase)	Y	
Part I.6	Prohibition against combustion of fuel oil or diesel fuel except at S68 (cumulative increase)	Y	
Part I.14	Facility Limits (Cumulative Increase)	Y	
Part I.18	Cumulative Increase Monitoring (Cumulative Increase)	Y	
Part I.18a	NMHC and NOx estimates (Cumulative Increase)	Y	
Part I.18g	Estimates of NMHC emissions from combustion sources (Cumulative Increase)	Y	
Part I.18i	Estimates of NOx emissions from combustion sources (Cumulative Increase)	Y	
Part I.18j	Summary of emissions estimates and reports of non-compliance (Cumulative Increase)	Y	
BAAQMD Condition #18796			

IV. Source Specific Applicable Requirements

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

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

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

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

IV. Source Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann #1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Regulation 8, Rule 5	**Organic Compounds, Storage of Organic Liquids (11/27/02)**		
8-5-117	Exemption, Low Vapor Pressure	N	
SIP Regulation 8, Rule 5	**Storage of Organic Liquids (10/10/01)**		
8-5-117	Exemption, Low Vapor Pressure	Y[1]	
BAAQMD Regulation 8, Rule 15	**Organic Compounds, Emulsified and Liquid Asphalts (6/1/94)**		
8-15-305	Prohibition of Manufacture and Sale	Y	
8-15-501	Records	Y	
40 CFR 60 Subpart UU	**Standards of Performance for Asphalt Processing and Asphalt Roofing Manufacture (8/6/82)**		
60.472(c)	Opacity standard	Y	
60.473(c)	Parametric monitoring	Y	
60.473(d)	Exemption from quarterly reports	Y	
40 CFR 63 Subpart CC	**National Emission Standards for Hazardous Pollutants for Petroleum Refining (8/18/95)**		
63.646(b)(1)	Storage Vessel Provisions--Determine stored liquid % OHAP for group determination	Y	
63.646(b)(2)	Storage Vessel Provisions--Determine stored liquid % OHAP-method 18 to resolve disputes	Y	
63.654(i)(1)	Reporting and Recordkeeping Requirements--Recordkeeping for storage vessels	Y	

IV. Source Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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.49	Prohibition against cutback asphalt (Toxics)		
Part II.50	Vapor Pressure Limit (Cumulative Increase, Offsets)		
Part II.55	Control and Destruction Efficiency Requirements (Cumulative Increase, Offsets)		
Part II.58	Recordkeeping Requirement (Cumulative Increase)		
Part II.58b	Continuous Temperature Monitoring (40 CFR 60.473(c), 2-6-409.2.2)		
Part II.58c	Allowable Temperature Excursions (2-1-403)		
Part II.58d	Recordkeeping for Allowable Temperature Excursions (2-1-403)		
Part II.58e	Definition of Allowable Temperature Excursions (2-1-403)		
BAAQMD Condition #20278			
Part 1	Throughput limit (2-2-212, Cumulative Increase)	Y	
Part 3	Control requirement (2-2-212, Cumulative Increase)	Y	
Part 4a	Opacity requirement (6-301)	Y	
Part 4b	Public nuisance (1-301)	N	
Part 5	Hours of operation (Cumulative Increase)	Y	
Part 6	Recordkeeping (2-6-501)	Y	

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

IV. Source Specific Applicable Requirements

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

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

IV. Source Specific Applicable Requirements

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

Process Unit	BAAQMD Regulation 8, Rule 18	BAAQMD & SIP Regulation 8, Rule 28	NSPS Part 60, Subpart QQQ; BAAQMD Regulation 10-69	NSPS Part 60, Subpart VV; BAAQMD Regulation 10-52	NESHAP Part 61, Subpart FF; BAAQMD Regulation 11, Rule 12	NESHAP Part 63, Subpart CC
S29 Naphtha Merox Treater, including rundown piping to S9 Naphtha Tank.	X	X		X(1)		X
S30, Marine Loading Dock	X	X				
S31, Rail Car Asphalt Loading Rack	X					
S32 LGO Stripper Tower and associated piping.	X	X		X(1)		X
S54, Asphalt Loading Rack	X					
Fuel gas system, including natural gas piping.	X	X				
All Other Piping	X	X				

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

IV. Source Specific Applicable Requirements

Table IV – AN
Applicable Requirements
COMPONENTS

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

IV. Source Specific Applicable Requirements

Table IV – AN
Applicable Requirements
COMPONENTS

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

IV. Source Specific Applicable Requirements

Table IV – AN
Applicable Requirements
COMPONENTS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.482-8	Standards: Pumps & Values in Heavy Liquid Service, Pressure Relief Devices in Light Liquid or Heavy Liquid Service, and Flanges & Other Connectors	Y	
60.482-9(a)	Delay of repairs	Y	
60.482-9(b)	Repair may be delayed for isolated equipment	Y	
60.482-9(c)	Delay of repair for valves is only allowed under certain circumstances	Y	
60.482-9(d)	Delay of repairs for pumps	Y	
60.482-9(d)(1)	Only dual-mechanical seal pumps qualify for delay of repair	Y	
60.482-9(d)(2)	Pump leaks must be repaired within 6 months	Y	
	(moved to 4th line above)		
60.482-10	Requirements for closed-vent systems and control devices	Y	
60.483-1	Alternative standards for valves-allowable percentage of valves leaking	Y	
60.483-2	Alternative standards for valves-skip period leak detection and repair	Y	
60.485	Test Methods and Procedures	Y	
60.486	Record keeping	Y	
60.487	Reporting	Y	
40 CFR 61 Subpart FF	**NESHAP, Benzene Waste Operations (01/07/1993)**		
61.343(a)(1)(i)(A)	Standards: Tanks; Fixed Roof—Fugitive emissions less than 500 ppmv	Y	
61.345(a)(1)(i)	Standards: Containers--Covers and Openings, no detectable emissions	Y	
61.347(a)(1)(i)(A)	Standards: Oil Water Separators	Y	
61.349(a)(1)(i)	Standards: Closed-vent systems and Control Devices—Closed vent system-no detectable emission >/= 500 ppmv, annual inspection	Y	
61.349(f)	Visually inspect for leaks quarterly	Y	
BAAQMD Regulation 10-52	**Incorporates by reference 40 CFR 60 Subpart VV**	**Y**	
NESHAP Part 63 Subpart CC	**National Emission Standards for Hazardous Air Pollutants from Petroleum Refineries**		
63.640(a)	Applicability	Y	

IV. Source Specific Applicable Requirements

Table IV – AN
Applicable Requirements
COMPONENTS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.640(p)	Overlap of subpart CC with other regulations for equipment leaks.	Y	
63.642(e)	Keep records for 5 years	Y	
63.648(a)	Equipment Leak Standards--Existing source comply with 40 CFR 60 Subpart VV and 63.648(b). New source comply with 40 CFR 63 Subpart H	Y	
63.648(b)	Use of monitoring data from prior to 8/18/95 to qualify for less stringent monitoring frequency	Y	
63.654(d)	Recordkeeping and reporting	Y	
Part I.14	Facility Limits (cumulative increase)	Y	
Part I.18b	Fugitive NMHC Emission Calculations (cumulative increase)	Y	
Part I.18j	Summary of Emissions Estimates (cumulative increase)	Y	

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

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 1	**General Provisions and Definitions (5/2/01)**		
1-107	Combination of Emissions	Y	
1-523	Parametric Monitoring and Recordkeeping Procedures	N	
1-523.1	Parametric monitor periods of inoperation	Y	
1-523.2	Limits on periods of inoperation	Y	
1-523.3	Reports of Violations	N	
1-523.4	Records	Y	
1-523.5	Maintenance and calibration	N	

IV. Source Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
SIP Regulation 1	**General Provisions and Definitions (6/28/99)**		
1-523	Parametric Monitoring and Recordkeeping Procedures	Y[1]	
1-523.3	Reports of Violations	Y[1]	
1-523.5	Maintenance and calibration	Y[1]	
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann #1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Regulation 8, Rule 6	**Organic Compounds-Organic Liquid Bulk Terminals and Bulk Plants (2/2/94)**		
8-6-301	Bulk Terminal Limitations	Y	
BAAQMD Condition #1240			
Part I.5	Refinery 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	Temperature monitoring (2-6-503)	Y	
Part I.19a	Allowable temperature excursions (2-1-403)	Y	
Part I.19b	Recordkeeping for allowable temperature excursions (2-1-403)	Y	

IV. Source Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part I.19c	Temperatures above the limit ((2-1-403)	Y	
Part II.6	Safety Relief System (Cumulative Increase)	Y	
Part II.32a	Requirement for control of S13 (8-5-311.3, NSPS, cumulative increase, toxics)	Y	
Part II.32b	Requirement for control of S59 (8-5-311.3, NSPS, cumulative increase, toxics)	Y	
Part II.32c	Requirement for control of S63 (8-5-311.3, NSPS, cumulative increase, offsets, BACT)	Y	
Part II.60	Destruction efficiency requirements <cumulative increase, offsets, BACT, toxics>	Y	
Part II.63	Requirement for vapor recovery and abatement (BACT, Cumulative Increase, offsets)	Y	
Part II.68	Destruction Efficiency Requirement (Cumulative Increase, BACT)	Y	

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

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 1	**General Provisions and Definitions (5/2/01)**		
1-523	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 - AP
Source-specific Applicable Requirements
A31, THERMAL OXIDIZER

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[1]	
1-523.3	Reports of Violations	Y[1]	
1-523.5	Maintenance and calibration	Y[1]	
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann #1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Regulation 8, Rule 5	**Storage of Organic Liquids (11/27/02)**		
8-5-311	Vapor Loss Control Device Requirements	Y	
8-5-311.3	An Approved Emission Control System which collects & processes all organic/gases	Y	
BAAQMD Regulation 8, Rule 6	**Organic Liquid Bulk Terminals And Bulk Plants (2/2/94)**		
8-6-301	Bulk Terminal Limitations	Y	
40 CFR 60, Subpart Kb	**New Source Performance Standard for Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction or Modification Commenced After July 23, 1984.**		
60.112b(a)(3)(ii)	Standard for Volatile Organic Compounds (VOC); Closed vent system and control device >= 95% inlet VOC emission reduction	Y	
60.113b(c)	Testing and Procedures; Closed vent system and control device (not flare)	Y	
60.113b(c)(1)	Testing and Procedures; Closed vent system and control device (not flare) operating plan submission	Y	
60.113b(c)(1)(i)	Testing and Procedures; Closed vent system and control device (not flare) operating plan--efficiency demonstration	Y	
60.113b(c)(1)(ii)	Testing and Procedures; Closed vent system and control device (not flare) operating plan--monitoring parameters	Y	
60.113b(c)(2)	Testing and Procedures; Closed vent system and control device (not	Y	

IV. Source Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	flare) operate in accordance with operating plan		
60.115b(c)(1)	Reporting and Recordkeeping Requirements; Closed vent system and control device (not flare) operating plan copy	Y	
60.115b(c)(2)	Reporting and Recordkeeping Requirements; Closed vent system and control device (not flare) operating records	Y	
60.116b(a)	Monitoring of Operations; Record retention	Y	
40 CFR 60, Subpart UU	**Standards of Performance for Asphalt Processing and Asphalt Roofing Manufacture (8/6/82)**		
60.472(c)	Opacity standard	Y	
60.473(c)	Parametric monitoring	Y	
60.473(d)	Exemption from quarterly reports	Y	
40 CFR 61 Subpart FF	**National Emission Standards for Benzene Waste Operations**	Y	
61.349(a)	Standards: Closed-Vent Systems and Control Devices; Applicability	Y	
61.349(a)(2)	Standards: Closed-Vent Systems and Control Devices; Control device requirements	Y	
61.349(a)(2)(i)	Standards: Closed-Vent Systems and Control Devices; Enclosed combustion device requirements	Y	
61.349(a)(2)(i)(A)	Controlled by enclosed combustion device with greater than 95% control efficiency.	Y	
61.349(b)	Operated at all times.	Y	
61.349(c)	Standards: Closed-Vent Systems and Control Devices; Control Device Performance Demonstration	Y	
61.349(c)(1)	Demonstrate efficiency required in 61.349(a)(2)	Y	
61.349(e)	Administrator may request performance tests	Y	
61.349(f)	Visually inspect for leaks quarterly	Y	
61.349(g)	Repair leaks: 5 days for first attempt; 15 days for complete repair	Y	
61.349(h)	Monitor per 61.354(c)	Y	
61.354(c)	Monitoring of Operations; Closed-vent systems and control devices--Continuously monitor control device operation	Y	
61.354(c)(1)	Monitor thermal vapor incinerator temperature	Y	
61.356(a)	Recordkeeping and retention requirements	Y	

IV. Source Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
61.356(d)	Engineering design documentation for all control equipment	Y	
61.356(f)	Recordkeeping Requirements: Closed vent system and control device per 61.349--retain for life of device	Y	
61.356(f)(1)	Recordkeeping Requirements: certification of performance level	Y	
61.356(f)(2)	Recordkeeping Requirements: Closed vent system and control device engineering calculations--design analysis	Y	
61.356(f)(2)(i)	Recordkeeping Requirements: Closed vent system and control device engineering calculations--design analysis	Y	
61.356(f)(2)(i)(A)	Recordkeeping Requirements: Closed vent system and control device engineering calculations--design analysis thermal vapor incinerator	Y	
61.356(f)(2)(i)(C)	Recordkeeping Requirements: Closed vent system and control device engineering calculations--design analysis process heater	Y	
61.356(j)	Recordkeeping Requirements: Control device operation	Y	
61.356(j)(1)	Recordkeeping Requirements: dates of startup and shutdown	Y	
61.356(j)(2)	Recordkeeping Requirements: description of parameters	Y	
61.356(j)(3)	Recordkeeping Requirements: periods when closed vent system and control device are not operating	Y	
61.356(j)(4)	Recordkeeping Requirements: Control device operation--Thermal vapor incinerator	Y	
61.357(d)(7)	Reporting Requirements: Quarterly report requirements	Y	
61.357(d)(7)(iv)	Reporting Requirements: Quarterly report--Control device monitored per 61.354(c)	Y	
61.357(d)(7)(iv)(A)	Reporting Requirements: Quarterly report--Thermal vapor incinerator	Y	
BAAQMD Condition #1240			
Part I.5	Refinery Heat Input Limit (Cumulative Increase)	Y	
Part I.6	Prohibition against combustion of fuel oil or diesel fuel (cumulative increase)	Y	
Part I.14	Facility Limits (Cumulative Increase)	Y	
Part I.18	Cumulative Increase Monitoring (Cumulative Increase)	Y	

IV. Source Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part I.18a	NMHC and NOx estimates (Cumulative Increase)	Y	
Part I.18g	Estimates of NMHC emissions from combustion sources (Cumulative Increase)	Y	
Part I.18i	Estimates of NOx emissions from combustion sources (Cumulative Increase)	Y	
Part I.18j	Summary of emissions estimates and reports of non-compliance (Cumulative Increase)	Y	
Part I.19	Temperature monitoring (2-6-503)	Y	
Part II.32a	Control and Destruction Efficiency Requirement (Regulation 8-5-311.3, NSPS, Cumulative Increase, Toxics)	Y	
Part II.32b	Requirement for control of S59 (8-5-311.3, NSPS, cumulative increase, toxics)	Y	
Part II.32c	Requirement for control of S63 (8-5-311.3, NSPS, cumulative increase, offsets, BACT)	Y	
Part II.43	Control Requirement (BACT, Cumulative Increase, offsets)	Y	
Part II.55	Control and Destruction Efficiency Requirements (Cumulative Increase, Offsets)	Y	
Part II.56	Control and Destruction Efficiency Requirements (Cumulative Increase, Offsets)	Y	
Part II.57	Control and Destruction Efficiency Requirements (Cumulative Increase, Offsets)	Y	
Part II.58b	Continuous Temperature Monitoring (40 CFR 60.473(c), 2-6-409.2.2))	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	Definition of Allowable Temperature Excursions (2-1-403)	Y	
Part II.69	Destruction Efficiency Requirement (Cumulative Increase, BACT)	Y	
Part II.70	Destruction Efficiency Requirement (Cumulative Increase, BACT)	Y	
Part II.85	Vapor recovery and control requirement (BACT, cumulative increase, contemporaneous emission reductions)	Y	

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

IV. Source Specific Applicable Requirements

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 refinery 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 refinery-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 refinery-wide heat input has been corrected from 86.6 to 93.6 MMBTU/HR, and the allowable heat input for S19 was increased from 33 to 40 MMBtu/hr.

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

1. The total throughput of feed oil to S18 Crude Unit shall not exceed 5,292,000 barrels in any ~~rolling 365~~ consecutive ~~day~~ 12-month period. (cumulative increase, toxics, offsets)

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

3. At all times, the vacuum exhaust from the vacuum distillation column at S18 Crude Unit and S32 LGO Gas Stripper 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,

VI. Permit Conditions

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 refinery combustion units except S68, Emergency Diesel-Powered Firewater Pump, shall not exceed a total of ~~86.6~~93.6 MM BTU/Hr. Compliance will be determined from the daily reading of the PG&E natural gas flow meter and the 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. (cumulative increase~~, BACT~~)

5a. The maximum heat input to S19, Vacuum Heater, shall not exceed ~~33~~40 MMbtu/hr. (cumulative increase)
5b. CO emissions in the exhaust of S19, Vacuum Heater, shall not exceed ~~140~~50 ppmdv at 3% oxygen over any one-hour period. (cumulative increase, BACT)
5c. CO emissions in the exhaust of S19, Vacuum Heater, shall not exceed ~~3.4~~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 refinery's heaters or boilers or other combustion sources except for S68, Emergency Diesel-powered Firewater Pump. (cumulative increase) (modified 8/12/99, 4/24/02)

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

VI. Permit Conditions

8. Vacuum Heater (S19) shall be equipped with a John Zink LoNOx Burner. Average NOx emissions from S19 shall not exceed ~~30~~25 ppm corrected to 3% oxygen on a dry basis (one hour averaging period). (~~Regulation 9-7-301~~cumulative increase, BACT)

9. Deleted 06/02/98.

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

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

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

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

14. Total refinery emissions (excluding marine emissions) shall not exceed the limits listed below:

a. Non-Methane Hydrocarbons.....	~~49.1~~ 49.345	tons/yr
b. Sulfur Dioxide, SO2..... ..	~~28~~ 28.049	tons/yr
c. Nitrogen Oxides, as NO2.....	~~40~~ 40.047	tons/yr

(Cumulative Increase)

15. 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 ~~24~~ 6 months to determine compliance with the NOx and CO

VI. Permit Conditions

standards in Regulation 9, Rule ~~7~~10~~,~~ the NOx limit in part 8 of this condition, and the CO limit in part 5b of this condition~~, and the requirement for 98.5% POC destruction efficiency~~. The source test shall be performed at ~~the highest duty possible for the prevailing process conditionsmaximum capacity of 33 MMbtu/hr~~ a minimum of 85% of the maximum capacity of 40 MMBtu/hr (34 to 40 MMBtu/hr). All source testing shall be done in accordance with the District's Manual of Procedures. The facility shall receive approval from the District's Source Test Manager for installation of test ports and source testing procedures. The results shall be delivered to the District no later than 30 days from the date of the source test. (~~Regulation 9-7-301,~~ Regulation 9-10-301, 9-10-305, Cumulative Increase~~, Toxics~~, BACT)

16b. The permit holder shall perform a source test at S19, Vacuum Heater, every 24 months to determine compliance with the requirement for 98.5% POC destruction efficiency. The source test shall be performed at the ~~maximum capacity of 33 MMbtu/hr~~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 30 days from the date of the source test. (Cumulative Increase, Toxics)

A/C Condition~~s~~ (to be deleted after completion):
~~17. Within 60 days of issuance of the authority to construct for application #1261, the permit holder shall perform a source test at S19, Vacuum Heater, to determine compliance with the NOx and CO standards in Regulation 9, Rule 7, the CO limit in part 5b of this condition, and compliance with the requirement for 98.5% POC destruction efficiency. The source test shall be performed at the maximum capacity of 33 MMbtu/hr. All source testing shall be done in accordance with the District's Manual of Procedures. The facility shall receive approval from the District's Source Test Manager for installation of test ports and source testing procedures. The results shall be delivered to the District no later than 30 days from the date of the source test. (Regulation 9-7-301, Cumulative Increase, Toxics)~~

A/C Conditions (to be deleted after completion):
17. Within 60 days of issuance of the authority to construct for application #7123, the permit holder shall perform a source test at S19, Vacuum Heater, to determine compliance with the NOx limit in part 8 of

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this condition, the CO limit in part 5b of this condition, and compliance with the requirement for 98.5% POC destruction efficiency. The source test shall be performed at the maximum capacity of 40 MMBtu/hr. All source testing shall be done in accordance with the District's Manual of Procedures. The facility shall receive approval from the District's Source Test Manager for installation of test ports and source testing procedures. The results shall be delivered to the District no later than 30 days from the date of the source test.
(BACT, Cumulative Increase, Toxics)

18. To assure compliance with part I.14 of Condition 1240, the permit holder shall perform the following monitoring on a semi-annual basis, starting on January 1 of each year.
18a. The permit holder shall estimate emissions of Non-methane hydrocarbons (NMHC) and nitrogen oxides for each quarter.
18b. The permit holder shall estimate fugitive NMHC emissions from valves, flanges, pumps, and compressors using the draft "California Implementation Guidelines for Estimating Mass Emissions of Fugitive Hydrocarbon Leaks at Petroleum Facilities" dated February, 1999, or later version.
18c. The permit holder shall estimate tank NMHC emissions from the following tanks using the most recent version of EPA's "Tanks" program or EPA publication AP-42: S1-S9, S13, S23, S37, S38, S51-S53, S59-S63, S65, S70.
18d. The permit holder shall estimate NMHC emissions from the following loading racks using EPA publication AP-42: S14, S15, S16, S17, S31, S54.
18e. The permit holder shall estimate NMHC emissions from the following wastewater sources using the most recent version of EPA's "Water" program: S12, S25-S28, S41, S66. The permit holder may use maximum potential to emit in place of measured throughput.
18f. The permit holder shall estimate NMHC emissions from the following combustion sources: S19-S21. The permit holder shall use fuel measurements for each fuel, the F-factor method in EPA Method 19, and the average concentration in the last source test for these estimates.
18g. The permit holder shall estimate NMHC emissions from the following combustion sources: S24, S34, A4, A31. The permit holder shall use the maximum capacity as an estimate of the fuel usage, and the appropriate emission factor from EPA publication AP-42. The permit holder shall estimate NMHC emissions from S68. The permit holder shall use the maximum capacity as an estimate of the fuel usage, the actual hours of operation, and the appropriate emission factor from EPA

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publication AP-42.
18h. The permit holder shall estimate emissions of nitrogen oxides (NOx) from the following combustion sources: S19-S21. The permit holder shall use fuel measurements for each fuel, the F-factor method in EPA Method 19, and the average concentration in the last source test for these estimates.
18i. The permit holder shall estimate emissions of nitrogen oxides (NOx) from the following combustion sources: S24, S34, A4, A31. The permit holder shall use the maximum capacity as an estimate of the fuel usage, and the appropriate emission factor from EPA publication AP-42. The permit holder shall estimate NOX emissions from S68. The permit holder shall use the maximum capacity as an estimate of the fuel usage, the actual hours of operation, and the appropriate emission factor from EPA publication AP-42.
18j. Within 30 days after the end of each semi-annual period, the permit holder shall calculate the emission estimates required by parts I.18b through 18i for the quarter, summarize the emission estimates for the period, and for the previous period. If the emission estimates exceed the limits in part I.14 of Condition 1240, the permit holder shall report non-compliance with part I.14 of this condition in accordance with Standard Condition I.F of the Title V permit. The emissions estimates shall be kept on-site for a minimum of five years and be made available to District staff upon request. (Cumulative Increase)

19. Within 90 days of issuance of the Title V permit, the permit holder shall install continuous temperature monitoring and recording device for ~~S19, Process Heater, and~~ A4, ~~Loading Rack~~ Thermal Oxidizer. Within 180 days of issuance of the Title V permit, the permit holder shall perform a source test to determine whether ~~the S19 and~~ A4 ~~are~~ is in compliance with the requirement for 98.5% destruction efficiency, the grain loading limit in BAAQMD Regulation 6-310, and the minimum temperature at which ~~S19 and~~ A4 must operate to maintain the destruction efficiency and compliance with the other standards. All source testing shall be done in accordance with the District's Manual of Procedures. The permit holder shall receive approval from the District's Source Test Manager for installation of test ports and source testing procedures. The results shall be delivered to the District no later than 30 days from the date of the source test. An administrative permit amendment shall be used to add the minimum temperature specification to the Title V permit. (2-6-503)

VI. Permit Conditions

19a. The temperature limit in part 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 19a and 19b, a temperature excursion refers only to temperatures below the limit. (basis: Regulation 2-1-403)

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

VI. Permit Conditions

II. TANKAGE AND LOADING RACK CONDITIONS:

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

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

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

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

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

6. The safety relief system for the crude unit, S18, and the LGO Stripper, S32, shall vent to the ~~incinerator/flare~~ thermal oxidizer (A4). (Cumulative Increase)

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

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

9. Deleted 08/12/99.

10. Source S25 shall be vented to A3, Mist Eliminator F-10, and~~or~~ A31, ~~Railroad Incinerator~~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~~; S26, S27, and the wastewater sump were removed on 9/16/97 because Huntway never completed work for A/C 11947 for these sources.~~)

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

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

12. Tanks S1, S2, S4 and S23 shall be external floating roof tanks of

VI. Permit Conditions

welded construction which have liquid mounted mechanical shoe primary seals and zero-gap, rim mounted secondary seals and only the following fittings. There shall be no ungasketted roof fittings.

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

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

a. Sliding cover;
b. Well gasket;
c. Pole sleeve with pole wiper approximately 6 inches above sliding cover, or District approved equivalent;
d. Float with float wiper approximately 1 inch above the sliding cover, or alternately a float with multiple wipers.

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

13. For the four crude tanks S1, S2, S4 and S23, ~~Huntway~~The permit holder will inspect the primary seals and secondary tank seals and fittings quarterly, and maintain records of each inspection for five years from the date of the inspection. These records shall be made available to the District upon request. The quarterly inspections will include all items required by Regulations 8-5~~-401, and 8-5-402~~, as well as all items required by 40 CFR 60.113b(b)~~(1)(i) and (ii)~~. (cumulative increase)
(Added per AN 14513, 9/95)

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

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

VI. Permit Conditions

a~~)~~. the storage of each material complies with all other conditions applicable these sources
b~~)~~. the storage of each material complies with all other applicable regulatory requirements
c~~)~~. the permittee keeps District approved records which demonstrate to the District's satisfaction that no toxin listed in Table 2-1-316 is emitted from S1, S2, S4, and S23 in an amount in excess of the toxin's respective trigger level set forth in Table 2-1-316.
(cumulative increase, toxics)

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

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

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

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

20. Deleted 08/26/00.

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

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

23. At the conclusion of each month, the permittee shall record in a District approved log, the 12 consecutive month sum total throughput of all liquid materials to S1, S2, S4, and S23 combined. This log shall be

VI. Permit Conditions

retained for at least 5 years from date of entry, it shall be kept on site, and it shall be made available to the District staff on request. (cumulative increase)

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

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

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

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

27a. S9 shall not be operated unless it is equipped with a District approved internal floating roof with a mechanical shoe primary seal, a rim mounted secondary seal, and a welded deck. (cumulative increase, NSPS)
~~27b. S9 shall comply with Sections 60.112b(a)(1)(iii) through 60.112b(a)(1)(ix) of the New Source Performance Standards Subpart Kb. (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

VI. Permit Conditions

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

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

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

S63 Kerosene/Light Vacuum Gas Oil/Heavy Vacuum Gas Oil/Asphalt Storage Tank, Fixed Roof, TK-31, Capacity: 1,218,000 Gallons abated by A3 or A20 Mist Eliminator F-10 or F-500 and A31 Thermal Oxidizer ~~Railroad Flare~~ H-7 ~~(~~or~~)~~ ~~A20 Mist Eliminator F-8 and~~ S24 Hot Oil Furnace H-3

30. Petroleum materials other than Kerosene, Light or Heavy Vacuum Gas Oil, and Asphalt may be stored in S13, S59, and S63 if all of the following are satisfied:
a~~)~~. the storage of each petroleum material complies with all other conditions applicable to S13, S59, or S63.
b~~)~~. the storage of each petroleum material complies with all other applicable regulatory requirements
c~~)~~. the permittee keeps District approved records which demonstrate to the District's satisfaction that no toxin listed in Table 2-1-316 is emitted from S13, S59, or S63 in an amount in excess of the toxin's respective trigger level set forth in Table 2-1-316.
(cumulative increase, toxics)

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

31a. To assure compliance with the limit in part 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 shall be abated by (either) A3 or A20 Mist Eliminator F-10 or F-500 and A31 Thermal Oxidizer ~~Incinerator Railroad Flare~~ H-7 ~~(~~or~~)~~ ~~A20 Mist Eliminator F-500 and~~ S24 Hot Oil Heater H-3; with an overall collection and destruction efficiency of at least 98.5%, by weight. (Regulation 8-5-311.3, NSPS, and cumulative increase, toxics)
32b. At all times that S59 stores organic materials, S59 shall be operated with a District approved vapor recovery system and S59 organic emissions shall be abated by (either) A1 or A3 Mist Eliminator F-8 or F-10 and S24 Hot Oil Heater H-3 ~~(~~or~~) A3 Mist Eliminator F-10 and~~ A31 Thermal Oxidizer ~~Incinerator Railroad Flare~~ H-7; with an overall collection and destruction efficiency of at least 98.5%, by weight.
(Regulation 8-5-311.3, NSPS, and cumulative increase, toxics)
32c. For S63, at all times that petroleum materials/VOC are in this equipment, S63 shall be operated with a District approved vapor recovery system with emissions ducted to and abated by (either) A3 or A20 Mist Eliminator F-10 or F-500 and A31 Thermal Oxidizer~~Incinerator Railroad Flare~~ H-7 ~~(~~or~~)~~ ~~A20 Mist Eliminator F-500 and~~ S24 Hot Oil Heater H-3; with a destruction efficiency of at least 98.5%, by weight, as measured across the combustion device (S24 or A31). (cumulative increase, NSPS, Regulation 8-5-311.3, offsets, BACT)
32d. For S63, the District approved vapor recovery system operated in conjunction with S63 shall operate such that it has no detectable fugitive organic emissions in excess of 100 ppmv, measured as total organic compounds. Total organic compounds is as defined in Regulation 8, Rule 18. (BACT)

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

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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

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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-100 and S24 Hot Oil Heater H-3 ~~(~~or~~)~~ ~~A20 Mist Eliminator F-500 and~~ A31 Thermal Oxidizer~~Incinerator Railroad Flare~~ H-7

40. Materials other than Heavy Gas Oil may be stored in S3, if all of the following are satisfied:
a~~)~~. the storage of each petroleum material complies with all other conditions applicable to S3
b~~)~~. the storage of each petroleum material complies with all other applicable regulatory requirements
c~~)~~. the permittee keeps District approved records which demonstrate to the District's satisfaction that no toxin listed in Table 2-1-316 is emitted from S3 in an amount in excess of the toxin's respective trigger level set forth in Table 2-1-316. (cumulative increase, toxics)

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

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

43. At all times that S3 stores VOC, S3 shall be operated with a District

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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 ~~Incinerator Railroad Flare~~ H-7 ~~and A3 Mist Eliminator F-10 (~~or~~)~~ S24 Hot Oil Heater H-3 ~~and A20 Mist Eliminator F-500~~; with a destruction efficiency of at least 98.5%, by weight, as measured across the combustion device (S24 or A31). (cumulative increase, offsets, BACT)

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

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

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

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

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 ~~Railroad Flare~~ H-7 ~~(~~or~~)~~ ~~A1 Mist Eliminator F-8 and~~ S24 Hot Oil Furnace H-3

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

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

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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~~Railroad Flare~~ H-7 ~~(~~or~~) A1 Mist Eliminator F-8 and~~ S24 Hot Oil Furnace H-3

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

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

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

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

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

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

S61 Asphalt Storage Tank, Fixed Roof, TK-30A, Capacity: 995,400 Gallons abated by A3 or A20 Mist Eliminator F-10 or F-500 and A31 Thermal Oxidizer ~~Railroad Flare~~ H-7 ~~(~~or~~) A20 Mist Eliminator F-8 and~~ S24 Hot Oil Furnace H-3

S62 Asphalt Storage Tank, Fixed Roof, TK-30B, Capacity:

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995,400 Gallons abated by A3 or A20 Mist Eliminator F-10 or F-500 and A31 Thermal Oxidizer~~Railroad Flare~~ H-7 ~~(~~or~~) A20 Mist Eliminator F-8 and~~ S24 Hot Oil Furnace H-3

S65 Asphalt Storage Tank, Fixed Roof, TK-32 Tank Capacity: 6,920,000 Gallons abated by A3 or A20 Mist Eliminator F-10 or F-500 and A31 Thermal Oxidizer~~Railroad Flare~~ H-7 ~~(~~or~~) A1 Mist Eliminator F-8 and~~ S24 Hot Oil Furnace H-3

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

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

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

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

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

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

53. The District approved vapor recovery system operated in conjunction with S65 shall operate under negative pressure and ensure that S65, including the District approved vapor recovery system, has no detectable fugitive organic emissions in excess of 100 ppmv, measured as total organic compounds. The vapor recovery system shall be monitored in accordance with BAAQMD Regulation 8, Rule 18. (BACT, cumulative

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increase)

54. Deleted May, 2001.

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

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

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

58. Separately, for each of S5, S6, S7, S8, S37, S38, S51, S52, S53, S60, S61, S62 ~~and~~ 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. ~~Within 60 days of implementation of the increased production allowed by Application 1819, the opacity limit for the abatement devices~~

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~~(A3 Mist Eliminator and A31 Railroad Flare (or) A20 Mist Eliminator F-8 and S24 Hot Oil Furnace) serving the asphalt tanks shall be 0 percent, except for one consecutive 15-minute period in any 24-hour period when the transfer lines are being blown for clearing. The abatement devices shall not be bypassed during the 15-minute period. (40 CFR 60.472(c))~~
Deleted Application 17468.

58b. ~~Within 90 days of issuance of the Title V permit,~~ The permit holder shall install continuous temperature monitoring and recording devices for A31, Thermal Oxidizer and S24, Hot Oil Heater. ~~Within 180 days of issuance of the Title V permit,~~ The permit holder shall perform a source test to determine whether A31 and S24 are in compliance with the requirement for 98.5% destruction efficiency, the grain loading limit in BAAQMD Regulation 6-310, and the minimum temperature at which A31 and S24 must operate to maintain the destruction efficiency and compliance with the other standards. All source testing shall be done in accordance with the District's Manual of Procedures. The permit holder shall receive approval from the District's Source Test Manager for installation of test ports and source testing procedures. The results shall be delivered to the District no later than 30 days from the date of the source test. An administrative permit amendment shall be used to add the minimum temperature specification to the Title V permit. (40 CFR 60.473(c), Regulation 2-6-409.2.2)

58c. The temperature limit in part 58b 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. (Regulation 2-1-403)

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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 58c and 58d, a temperature excursion refers only to temperatures below the limit. (Regulation 2-1-403)

S14 Naphtha Loading Racks abated by A4 ~~Loading~~ Thermal Oxidizer~~Ground Flare~~ H-6 ~~or S19 Vacuum Heater H-1~~

59. S14 shall be operated with a submerged fill pipe and be abated by A4 ~~Loading~~ Thermal Oxidizer~~Ground Flare~~ H-6 ~~or S19 Vacuum Heater H-1~~ at all times that materials are transferred at S14. (cumulative increase, offsets, BACT, toxics)

60. S14 emissions shall be captured by a District approved vapor recovery system and shall be abated by A4 ~~Loading~~ Thermal Oxidizer~~Ground Flare~~ H-6 ~~or S19 Vacuum Heater H-1~~ with a destruction efficiency of at least 98.5%, by weight, as measured across A4 ~~or S19~~. (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 ~~Loading~~ Thermal Oxidizer~~Ground Flare~~ H-6 ~~or S19 Vacuum Heater H-1~~

VI. Permit Conditions

62. S15 shall be operated with a submerged fill pipe and be abated by A4 ~~Loading~~ Thermal Oxidizer~~Ground Flare~~ H-6 ~~or S19 Vacuum Heater H-1~~ at all times that materials are transferred at S15. (cumulative increase, offsets, BACT, toxics)

63. S15 emissions shall be captured by a District approved vapor recovery system and shall be abated by A4 ~~Loading~~ Thermal Oxidizer~~Ground Flare~~ H-6 ~~or S19 Vacuum Heater H-1~~ with a destruction efficiency of at least 98.5%, by weight, as measured across A4 ~~or S19~~. (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 ~~Loading~~ Thermal Oxidizer~~Ground Flare~~ H-6

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

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

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

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

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

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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 ~~Loading~~ Thermal Oxidizer~~Ground Flare~~ H-6 with a destruction efficiency of at least 98.5%, by weight, as measured across A4. (cumulative increase, BACT)

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

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

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

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

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

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

76. Deleted May, 2001.

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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~~Railroad Flare~~ H-7 ~~(~~or~~) A20 Mist Eliminator F-8 and~~ S24 Hot Oil Furnace H-3

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

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

85~~)~~. S66 shall be operated with a District approved vapor recovery system with S66 emissions ducted to and abated by (either) A1 or A3 Mist Eliminator F-8 or F-10 and A31 Thermal Oxidizer~~Incinerator Railroad Flare~~ H-7 ~~(~~or~~) A20 Mist Eliminator F-500 and~~ S24 Hot Oil Heater H-3; with a destruction efficiency of at least 98.5%, by weight, as measured across the combustion device (S24 or A31). (basis: BACT, cumulative increase, contemporaneous emission reductions)

86~~)~~. The District approved vapor recovery system operated in conjunction with S66 shall operate under negative pressure and ensure that S66, including the District approved vapor recovery system, has no detectable fugitive organic emissions in excess of 100 ppmv, measured as total organic compounds. The vapor recovery system shall be monitored in

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accordance with BAAQMD Regulation 8, Rule 18. (basis: BACT, cumulative increase, contemporaneous emission reductions)

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

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

89). ~~S66 shall not operate concurrently with S22 Oil Water Separator Box 22 and once operation of S66 has begun, permittee shall ensure that S22 Oil Water Separator Box 22 is never operated again and is permanently retired from operation/service or is permanently dismantled. (basis: contemporaneous emission reduction credits)~~Deleted 2001.

S16 Kerosene and Heavy Vacuum Gas Oil Loading Rack

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

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

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

S41 Wemco Hydrocleaner Induced Air Floatation Machine abated by A1 or A3 Mist Eliminator and S24 Hot Oil Furnace H-3 ~~(or) A3 Mist~~

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~~Eliminator F-10 and~~ A31 Thermal Oxidizer~~Railroad Flare~~

92. The permittee shall ensure that the throughput of liquid material to S41~~S66~~ shall not exceed 77,263,200 gallons per year (147 gallons per minute). (basis: cumulative increase)

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

III. MARINE OPERATIONS CONDITIONS-S30

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

*2. While operating within District waters, any vessel delivering raw material to the refinery shall use fuel oil with a maximum sulfur content of 2.9% by weight in all combustion units. In addition, all ballasting within District waters shall be accomplished by using dedicated tanks containing no volatile organic compounds. These conditions shall be stipulated in the ~~charter~~ purchase agreement between ~~Huntway~~ the permit holder and the ~~ship owner~~supplier delivering the raw material to the asphalt plant. A ~~notarized~~ copy of this purchase agreement shall be ~~submitted to the District 90 days prior to the refinery start-up~~maintained on-site for District review. (Basis: cumulative increase)

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

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

*5. ~~Huntway~~ The permit holder shall report all marine operations within District waters on a monthly basis. This report shall include all

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information on ballasting and offloading required by the District in order to determine emissions. (Basis: cumulative increase)

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

7. The following organic liquids shall not be loaded onto vessels or barges at S30, Marine Loading Dock:
   - gasoline
   - gasoline blending stocks
   - aviation gas
   - aviation fuel (JP-4 type)
   - crude oil

(Basis: Synthetic minor condition)

8. The permit holder shall not load any liquid onto a vessel with a prior cargo of the following organic liquids:
   - gasoline
   - gasoline blending stocks
   - aviation gas
   - aviation fuel (JP-4 type)
   - crude oil

(Basis: Synthetic minor condition)

9. The permit holder shall keep the following records on a monthly basis:
   a. Number of ships loaded
   b. Capacity of ships in MDWEIGHT units
   c. Sulfur content of fuel oil used by vessels delivering raw materials
   d. H2S content of refinery fuel gas while any vessel is in port
   e. Number of barges loaded per day
   f. Number of barges loaded per month
   g. Capacity of each barge in barrel units
   h. Types of liquids loaded into and out of any vessel

(Cumulative Increase)

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

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

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

*a. First occurrence in rolling twelve month period: ~~Huntway~~ 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 ~~Huntway~~ will notify the driver and the trucking company in writing that if the truck enters the facility again with a malfunctioning dome hatch, ~~Huntway~~ 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 ~~Huntway~~ will not load the truck. The permit holder ~~Huntway~~ 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 ~~Huntway~~ the permit holder to ensure that the hatch is in proper working order.

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

*3. ~~Huntway~~ 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 ~~Huntway~~ the permit holder in the future, within two weeks of the first asphalt receipt. (1-301)

V. OTHER SOURCES

S24 Hot Oil Heater H-3; Max Firing Rate 9 MM BTU/hr
1. Respective emissions of nitrogen oxides, ~~expressed as NO2,~~ and

VI. Permit Conditions

carbon monoxide (CO) from S24 shall not exceed 30 ppm and 50 ppm at 3% O2. (Cumulative Increase)

~~A4, Loading Rack Ground Flare~~
~~2.The flare shall operate with visible emissions for no more than a total of 5 minutes during any 2 consecutive hours. <40 CFR 60.18(c)(1)>~~

~~3. The flare shall be operated with a flame present at all times. <40 CFR 60.18(c)(2)>~~

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

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

~~*2. S-68 shall only be operated to mitigate emergency conditions or for reliability-related activities. Operation for reliability-related activities shall not exceed 100 hours in any calendar year at each engine. Operation while mitigating emergency conditions is unlimited. (Basis: Regulation 9-8-330, Cumulative Increase)~~

~~*3. "Emergency Conditions" is defined as any of the following:~~
~~a. Loss of regular natural gas supply~~
~~b. Failure of regular electric power supply~~
~~c. Flood mitigation~~
~~d. Sewage overflow mitigation~~
~~e. Fire~~
~~f. Failure of a primary motor, but only for such time as needed to repair or replace the primary motor~~

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

~~(Basis: Regulation 9-8-231)~~

~~*4. "Reliability-related activities" is defined as any of the following:~~
~~a. Operation of an emergency standby engine to test its ability to perform for an emergency use, or~~
~~b. Operation of an emergency standby engine during maintenance of a primary motor~~
~~(Basis: Regulation 9-8-232)~~

~~*5. S-68 shall be equipped with either:~~

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~~a. a non-resettable totalizing meter that measures and records the hours of operation for the engine~~

~~OR~~

~~b. a non-resettable fuel usage meter (12 gallons of fuel shall be assumed to be equivalent to 1 hour of reliability-related operation)~~

~~(Basis: Regulation 9-8-530)~~

~~*6. The following monthly records shall be maintained in a District-approved log for at least 5 years for S-68 and shall be made available for District inspection upon request:~~

~~a. Total hours of operation for the engine~~

~~b. Hours of operation under emergency conditions for the engine and a description of the nature of each emergency condition~~

~~c. Fuel usage for the engine~~

~~(Basis: Regulation 9-8-530)~~

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 17,591 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 2,650 tons during any consecutive 12-month period. (Basis: Regulation 2-2-212, Cumulative Increase)

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

4a. Visible dust and smoke emissions from S-69 and S-70 shall not exceed Ringelmann 1 for a period or periods aggregating more than three minutes in any hour. (Basis: Regulation 6-301)

*4b. 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~~ and Regulation 6~~)

5. The total hours of operation of S-70 shall not exceed 1248 hours in any consecutive 12-month period. (Basis: Cumulative Increase)

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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. Total daily hours of operation of S-70
   c. The daily throughput of product and hours of operation shall be totaled on a monthly basis.
   d. Results of all visible emissions checks and any corrective action

   (Basis: Regulation 2-6-501~~, Record-keeping~~)

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

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

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

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

Valero Refining Company (Plant # 12626)
S-7 Pipestill Hydrofiner Furnace: F-103, 53 MMBtu/Hr
S-20 Naphtha Hydrofiner Furnace: F-104, 62 MMBtu/Hr
S-21 Hydrogen Reforming Furnace: F-301, 614 MMBtu/Hr
S-22 Hydrogen Reforming Furnace: F-351, 614 MMBtu/Hr
S-23 HCU Recycle Gas Furnace: F-401, 200 MMBtu/Hr
S-24 Cat Feed Hydrofiner Treat Gas Furnace: F-601, 33 MMBtu/Hr
S-25 Fluid Catalytic Cracker Unit: F-701, 230 MMBtu/Hr
S-26 Cat Naphtha Hydrofiner Furnace: F-801, 33 MMBtu/Hr
S-30- S-S33 Power former Furnace: F-2901 thru 2904, 463 MMBtu/Hr

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S-34 Powerformer Regenerator Furnace: F-2905, 74 MMBtu/Hr
S-35 Powerformer Reactivation Furnace: F-2906, 14 MMBtu/Hr
S-40 Utility Package Boiler: SG-2301, 218 MMBtu/Hr
S-41 Utility Package Boiler: SG-2301, 218 MMBtu/Hr
S-173 Coker Steam Superheat Furnace: F-902, 20 MMBtu/Hr
S-220 MRU Hot Oil Furnace: F-4460, 351 MMBtu/Hr

Valero Asphalt Plant (Plant # ~~1~~B3193)
S-19 Vacuum Heater~~Crude Furnace~~: H-1, 40 MMBtu/Hr (from 33 MMBtu/Hr 4/03, AN 7023)
S-20 ~~Small~~ Steam Boiler: H-2A, 15 MMBtu/Hr
S-21 ~~Small~~ Steam Boiler: H-2B, 15 MMBtu/Hr

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

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

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

*4. The applicant shall maintain all records required in ~~condition~~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: ~~Record keeping~~ Regulation 2-9-303.3)

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

Regulation 9, Rule 10 Refinery-Wide Compliance

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

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maximum NOx emission factor, and the maximum CO concentration are shown below.

S#	description	max firing rate MMbtu/hr	NOx lb/MMbtu	CO ppmv @ 3% O2
19	Vacuum Heater	40	0.030	< 200
20	Steam Boiler	15	0.055	< 400
21	Steam Boiler	15	0.055	< 400

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

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

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

   (9-10-502)

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

5. NOx Box-Establishment
   The owner/operator shall establish the initial NOx box for S19 by 11/10/03. The procedure for establishing the initial NOx box is:
   A. Conduct district approved source tests for NOx and CO, while varying the oxygen concentration and firing rate over the desired operating range for the furnace;
   B. Determine the minimum and maximum oxygen concentrations and firing rates for the desired operating range (Note that the minimum O2 at low-fire may be different than the minimum O2 at high-fire. The same is true for the maximum O2);
   C. Determine the highest NOx emission factor (lb/Mmbtu) over the entire operating range while maintaining CO concentration below 200 ppm; the owner/operator may choose to use a higher NOx emission factor. If the factor is different than the factor

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in part 1 above, the emission factor shall be revised using the minor revision procedures in Regulation 2, Rule 6.

D. Plot the following points on a graph and connect the 4 points with straight lines. The resulting polygon is the NOx Box, which represents the allowable operating range for the furnace under which the NOx emission factor from part 5C is deemed to be valid:

i. Min. O2 at low-fire
ii. Max. O2 at low-fire
iii. Min. O2 at high-fire; and
iv. Max. O2 at high-fire

(9-10-502)

6. NOx Box-limits

A. Except as provided in part 6B, the owner/operator shall operate S19 within the NOx Box at all times of operation.

B. The owner/operator may deviate from the NOx Box up to a maximum of 20% from the established NOx Box (either the firing rate or oxygen limit) provided that the owner/operator conducts a district approved source test within 45 days of the deviation to demonstrate that the deviation complies with the NOx emission factor. The source test results shall be submitted to the district source test manager within 30 days of the test. Any deviation beyond the established NOx Box shall require notification to the Enforcement Division within 96 hours of the deviation.

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

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

2. If the results of this source test do not exceed emission concentrations or rates, the unit will not be considered to be in violation during this period for operating out of the "box." The owner/operator may submit an application

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to increase the allowable operating range, based on the new test data.

3. The owner/operator shall not exceed 20% for any deviation of either O2 or firing rate. Any deviation beyond 20% will be considered a violation of Regulation 9-10-502 regardless of whether the deviation is later determined to be in compliance with the original NOx emission factor.
   a. Part 6 does not apply to low firing rate conditions during startup or shutdown periods lasting less than 3 days.
   b. Part 6 does not apply during any source test required or permitted by this condition.

(9-10-502)

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

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

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

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

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

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approved log and be made available to District staff upon request. (9-10-502)

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

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

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

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

VII. APPLICABLE LIMITS & COMPLIANCE MONITORING REQUIREMENTS

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

Table VII – Refinery
Applicable Limits and Compliance Monitoring Requirements
REFINERY-WIDE APPLICABILITY

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency	Monitoring Type
NOX	BAAQMD Condition 1240, part I.14	Y		Emissions of NOX < 40 tons per year excluding marine emissions	BAAQMD Condition 1240, parts 18a, I.18h-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	C	SO_2 GLM
Ambient H_2S	BAAQMD 9-2-301	N		Limitations on H_2S ground level concentrations	BAAQMD 9-2-501	C	H_2S GLM
		Y		Refinery MACT Startup, Shutdown, Malfunction Report	40 CFR 63 63.654(h)(1)	P/SA	Report
		Y		Refinery MACT Periodic Report	40 CFR 63 63.654(g)	P/SA	Report
Benzene		Y		Benzene Waste NESHAP Annual Report	40 CFR 61 61.357(d)(2)	P/A	Report
Benzene		Y		Benzene Waste NESHAP	40 CFR 61	P/Q	Report

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – Refinery
Applicable Limits and Compliance Monitoring Requirements
REFINERY-WIDE APPLICABILITY

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency	Monitoring Type
				Quarterly Report	61.357(d)(7)		
Benzene	40 CFR 61 61.346(b)(1)	Y		Benzene Waste NESHAP quarterly visual inspection of water seals on drains	40 CFR 61 61.346(b)(4)(i)	P/Q	Visual Inspection
	40 CFR 61 61.346(b)(2)(i)	Y		Benzene Waste NESHAP quarterly visual inspection of tight seals on junction boxes	40 CFR 61 61.346(b)(4)(iii)	P/Q	Visual Inspection
	40 CFR 61 61.346(b)(3)	Y		Benzene Waste NESHAP quarterly visual inspection for cracks in exposed sewer lines	40 CFR 61 61.346(b)(4)(iv)	P/Q	Visual Inspection
SO2	BAAQMD 9-1-302	Y		General emission standard: < 300 ppm SO2 (applies only to gas-fired equipment when GLMs are not functioning)	None	N	N/A
	BAAQMD Condition 1240, part I.14	Y		Emissions of SO2 < 28 tons per year excluding marine emissions	None	N	N/A
H2S	BAAQMD 9-1-313.2	N		Recovery of 95% of H2S in refinery fuel gas	BAAQMD Condition 1240, part I.13	C	H2S CEM
	SIP 9-1-313.2	Y		Recovery of 95% of H2S in refinery fuel gas	BAAQMD Condition 1240, part I.13	C	H2S CEM
Benzene in Waste	40 CFR 61 61.342(e)(2)(i)	Y		Uncontrolled benzene <6 megagrams/year	40 CFR 61 61.357(d)(5)	P/A	Report
Benzene in Waste	61.345(b)	Y		Visual inspection of container covers	40 CFR 61 61.345(b)	P/Q	Visual Inspection

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – Refinery
Applicable Limits and Compliance Monitoring Requirements
REFINERY-WIDE APPLICABILITY

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency	Monitoring Type
VOC	BAAQMD Condition 1240, part I.14	Y		Emissions of NMHC < 49.1 tons per year excluding marine emissions	BAAQMD Condition 1240, parts 18a, I.18c-I.18g and I.18j	P/SA	Calculations
VOC	BAAQMD 8-5-328.1.2	N		Tank cleaning control device standard; includes 90% abatement efficiency requirement.	8-5-502	P/A	Source test
VOC	SIP 8-5-328.2	Y		Tank cleaning control device standard; includes 90% abatement efficiency requirement.	8-5-502	P/A	Source test

VII. Applicable Limits and Compliance Monitoring Requirements

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 8-5-320	N		Deck fitting closure standards; includes gasketted covers	BAAQMD 8-5-402.1	P/SA	Measure-ment and visual inspection
	BAAQMD 8-5-321	N		Primary rim-seal standards; includes gap criteria	BAAQMD Condition 1240, Part II.13 BAAQMD 8-5-401.1, 8-5-404	P/Q or event basis	Seal inspection
	BAAQMD 8-5-322	N		Secondary rim-seal standards; includes gap criteria	BAAQMD Condition 1240, Part II.13 BAAQMD 8-5-401.1 8-5-404	P/Q or event basis	Seal inspection
	BAAQMD 8-5-328.1.2	N		Concentration of < 10,000 ppm as methane after cleaning	8-5-503	P/E	Portable hydrocarbon detector
VOC	SIP 8-5-320	Y		Deck fitting closure standards; includes gasketted covers	SIP 8-5-402.1	P/10 yr interval with "zero-gap" secondary seal	Measure-ment and visual inspection
	SIP 8-5-321	Y		Primary rim-seal standards; includes gap criteria	BAAQMD Condition 1240, Part II.13 SIP 8-5-401.1, 8-5-404.1	P/Q or event basis	Seal inspection

VII. Applicable Limits and Compliance Monitoring Requirements

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	SIP 8-5-322	Y		Secondary rim-seal standards; includes gap criteria	BAAQMD Condition 1240, Part II.13 SIP 8-5-402.1 8-5-404.2.1	P/A	Seal inspection
VOC	SIP 8-5-328.2	Y		Concentration of < 10,000 ppm as methane after cleaning	8-5-503	P/E	Portable hydrocarbon detector
VOC		Y		Report on seal condition and gap measurements	BAAQMD 8-5-404, 8-5-405	P/E After each tank seal inspection	Inspection report
VOC				None	BAAQMD 8-5-501	P/E	Records of liquids stored and TVPs
VOC	60.113b (b)(4)(i)	Y		Primary rim-seal standards; includes gap criteria. Repairs are required if accumulated area of gap exceeds 212 sq. cm/m of vessel diameter, width of any portion of the gap exceeds 3.81 cm, the vertical distance of seal is less than 61 cm above the liquid surface, or there are holes, tears or openings in shoe, seal fabric, or seal envelope.	60.113b (b)(1)-(b)(3)	P/5 yr intervals	Seal inspection

VII. Applicable Limits and Compliance Monitoring Requirements

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	60.113b (b)(4)(ii)	Y		Secondary rim-seal standards; includes gap criteria. Repairs are required if accumulated area of gap exceeds 21.2 sq. cm/m of vessel diameter, width of any portion of the gap exceeds 1.27 cm, or there are holes, tears or openings in seal or seal fabric	60.113b (b)(1)-(b)(3)	P/A	Seal inspection
VOC		Y		None	60.116b(c)	P/E Upon change of service	Record of liquid stored and true vapor pressure
VOC		Y		None	60.113b (b)(6)	P/E (Each time tank is emptied & degassed)	Visual inspection of roof, seals, and fittings
	BAAQMD Condition 1240, part I.14	Y		Emissions of NMHC < 49.1 tons per year excluding marine emissions	BAAQMD Condition 1240, parts 18a, I.18c and I.18j	P/A	Calculations

VII. Applicable Limits and Compliance Monitoring Requirements

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD Condition 1240, part I.14	Y		Emissions of NMHC < 49.1 tons per year excluding marine emissions	BAAQMD Condition 1240, parts 18a, I.18c and I.18j	P/A	Calculations
	BAAQMD Condition 1240, part II.41	Y		38,300,000 gallons of gas oil must be transferred to S3 every 12-month period before gas oil is stored in a tank without 98.5% control	BAAQMD Condition 1240, part II.46	P/M	Records
	BAAQMD Condition 1240, part II.42	Y		Vapor pressure shall not exceed 0.5 psia	BAAQMD Condition 1240, part II.46	P/M	Records
	BAAQMD Condition 1240, part II.43	Y		98.5% control efficiency (control by S24 or A31)	BAAQMD Condition 1240, part II.58b	C	Temperature monitoring
	BAAQMD Condition 1240, part II.44	Y		Fugitive emissions at vapor recovery system (S24 or A31) shall not exceed 100 ppmv	BAAQMD Condition 1240, part II.44	P/Q or A	Method 21

VII. Applicable Limits and Compliance Monitoring Requirements

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-301	Y		Ringelmann No. 1 for no more than 3 minutes in any hour	BAAQMD Condition #1240, II.58b	C	Temperature monitoring
	40 CFR 60.472(c)	Y		0 percent opacity except for one consecutive 15-min period in any 24-hr period for cleaning	40 CFR 60.473(c) and BAAQMD Condition #1240, II.58b	C	Temperature monitoring
FP	BAAQMD 6-310	Y		0.15 gr/dscf	BAAQMD Condition #1240, II.58b	C	Temperature monitoring
VOC	BAAQMD 8-15-305			None	BAAQMD 8-15-501	P/E	Records
	BAAQMD Condition 1240, part I.14	Y		Emissions of NMHC < 49.1 tons per year excluding marine emissions	BAAQMD Condition 1240, parts 18a, I.18c and I.18j	P/A	Calculations
	BAAQMD Condition #1240, II.50	Y		Vapor pressure may not exceed 0.5 psia	BAAQMD Condition #1240, II.58	P/M	Records
	BAAQMD Condition #1240, II.55	Y		98.5% destruction of vapors (control by S24 or A31)	BAAQMD Condition 1240, part II.58b	C	Temperature monitoring
Through-put limit	BAAQMD Condition #1240, II.48	Y		6,738,349 barrels/yr total for S5, S6, S7, S8, S37, S38, S51, S52, S53, S60, S61, S62, and S65	BAAQMD Condition #1240, II.58	P/M	Records

VII. Applicable Limits and Compliance Monitoring Requirements

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 8-5-320.3.1	N		No gaps > 0.32 cm in gasketed covers, seals, or lids	BAAQMD 8-5-402.3	P/SA	Measure-ment and visual inspection
	BAAQMD 8-5-320.4.2	Y		No gaps > 0.32 cm in gasketed covers, seals, or lids for solid sampling wells and similar fixed projections	BAAQMD 8-5-402.3	P/SA	Measure-ment and visual inspection
	BAAQMD 8-5-320.4.3	Y		gaps between well and roof + gaps in secondary seal < 1.3 cm	BAAQMD 8-5-402.3	P/SA	Measure-ment and visual inspection
	BAAQMD 8-5-320.5.2	N		No gaps > 1.3 cm between float and well	BAAQMD 8-5-402.3	P/SA	Measure-ment and visual inspection
	BAAQMD 8-5-320.5.3	Y		gaps between well and roof + gaps in secondary seal < 1.3 cm	BAAQMD 8-5-402.3	P/SA	Measure-ment and visual inspection
	BAAQMD 8-5-320.6	N		cover > 90% of area of opening on emergency roof drains	BAAQMD 8-5-402.3	P/SA	Measure-ment and visual inspection
VOC	BAAQMD 8-5-321.1	Y		No holes, tears or openings in primary seal fabric	BAAQMD 8-5-403	P/every 10 years	Primary seal inspection
VOC	BAAQMD 8-5-321.3.1	Y		Maximum gap between shoe and tank shell < 3 in. for a length of 18 in. in vertical plane above liquid surface	BAAQMD 8-5-402.1	P/every 10 years	Primary seal inspection

VII. Applicable Limits and Compliance Monitoring Requirements

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 8-5-321.3.2	Y		No gap between tank shell and primary seal > 1.5 in.	BAAQMD 8-5-402.1	P/every 10 years	Primary seal inspection
	BAAQMD 8-5-321.3.2	Y		No continuous gap > 0.125 in shall exceed 10% of circumference of tank	BAAQMD 8-5-402.1	P/every 10 years	Primary seal inspection
	BAAQMD 8-5-321.3.2	Y		Cumulative length of all primary seal gaps > 0.5 in. < 10% of circumference	BAAQMD 8-5-402.1	P/every 10 years	Primary seal inspection
	BAAQMD 8-5-321.3.2	Y		Cumulative length of all primary seal gaps > 0.125 in. < 40% of circumference	BAAQMD 8-5-402.1	P/every 10 years	Primary seal inspection
	BAAQMD 8-5-322.1	Y		No holes, tears or openings in secondary seal fabric	BAAQMD 8-5-402.2	P/SA	Secondary seal inspection
	BAAQMD 8-5-322.3	N		No gap between tank shell and secondary seal > 0.5 in.	BAAQMD 8-5-402.1	P/Every 10 years	Secondary seal inspection
	BAAQMD 8-5-322.3	N		Cumulative length of all secondary seal gaps > 0.125 in. < 5% of circumference	BAAQMD 8-5- 402.1	P/every 10 years	Secondary seal inspection
VOC	BAAQMD 8-5-322.5	N		No gap between tank shell and secondary seal > 0.06 in.	BAAQMD 8-5-402.1	P/every 10 years	Secondary seal inspection
VOC	BAAQMD 8-5-322.5	N		Cumulative length of all secondary seal gaps > 0.02 in. < 5% of circumference excluding gaps < 1.79 in. from vertical seams	BAAQMD 8-5-402.1	P/every 10 years	Secondary seal inspection
	BAAQMD 8-5-328.1.2	N		Concentration of < 10,000 ppm as methane after cleaning	8-5-503	P/E	Portable hydrocarbon detector

VII. Applicable Limits and Compliance Monitoring Requirements

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	SIP 8-5-320	Y		No gaps > 0.32 cm in viewports or other openings	SIP 8-5-402.2	Internal inspection every 10 years	Measure-ment and visual inspection
	SIP 8-5-311.2, 8-5-321.1, 8-5-322.1	Y		Primary and secondary seals in accordance with 8-5-311.2. No holes, tears or openings in primary or secondary seal fabric	SIP 8-5-403	P/A	Internal visual inspection from viewports on fixed roof
VOC	SIP 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	SIP 8-5-401	P/every 10 years	Primary seal inspection
	SIP 8-5-321.3.2	Y		No gap between tank shell and primary seal > 1.5 in.	SIP 8-5-401	P/every 10 years	Primary seal inspection
	SIP 8-5-321.3.2	Y		No continuous gap > 0.125 in shall exceed 10% of circumference of tank	SIP 8-5-401	P/every 10 years	Primary seal inspection
	SIP 8-5-321.3.2	Y		Cumulative length of all primary seal gaps > 0.5 in. < 10% of circumference	SIP 8-5-401	P/every 10 years	Primary seal inspection
	SIP 8-5-321.3.2	Y		Cumulative length of all primary seal gaps > 0.125 in. < 40% of circumference	SIP 8-5-401	P/every 10 years	Primary seal inspection
	SIP 8-5-322.3	Y		Cumulative length of all secondary seal gaps > 0.125 in. < 5% of circumference	SIP 8-5-402.2	P/every 10 years	Secondary seal inspection
VOC	SIP 8-5-322.5	Y		No gap between tank shell and secondary seal > 0.06 in.	SIP 8-5-402.2	P/every 10 years	Secondary seal inspection

VII. Applicable Limits and Compliance Monitoring Requirements

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	SIP 8-5-322.5	Y		Cumulative length of all secondary seal gaps > 0.02 in. < 5% of circumference excluding gaps < 1.79 in. from vertical seams	SIP 8-5-402.2	P/every 10 years	Secondary seal inspection
	SIP 8-5-328.2	Y		Concentration of < 10,000 ppm as methane after cleaning	8-5-503	P/E	Portable hydrocarbon detector
				None	BAAQMD 8-5-501	P/E	Records of liquids stored and TVPs
	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				None	40 CFR 60.116b(c)	P/E Upon change of service	Records of maximum true pressure of volatile organic liquids

VII. Applicable Limits and Compliance Monitoring Requirements

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD Condition 1240, part I.14	Y		Emissions of NMHC < 49.1 tons per year excluding marine emissions	BAAQMD Condition 1240, parts 18a, I.18c and I.18j	P/A	calculations
	BAAQMD Condition 1240, part II.26	Y		Vapor pressure shall not exceed 11 psia	BAAQMD Condition 1240, part II.29	P/M	Records
Through-put	BAAQMD Condition 1240, part II.28	Y		< 24,019,000 gallons in any consecutive 12-month period	BAAQMD Condition 1240, part II.29	P/M	Records

Table VII – E
Applicable Limits and Compliance Monitoring Requirements
S12, WASTEWATER TANK

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
	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(f)	Y		Visual inspection of closed vent system and control device	40 CFR 61.349(f)	P/Q	Visual inspection
VOC	40 CFR 61.349(a)(2)(i)(A)	Y		95% control (by A31 incinerator)	40 CFR 61.354(c)(1)	C	Temper-ature measure-ment

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – E
Applicable Limits and Compliance Monitoring Requirements
S12, WASTEWATER TANK

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	40 CFR 61.349(a)(2)(i)(A)	Y		95% control (by S24 process heater)	40 CFR 61.354(c)(4)	C	Temper-ature measure-ment
VOC	BAAQMD Condition 1240, part I.14	Y		Emissions of NMHC < 49.1 tons per year excluding marine emissions	BAAQMD Condition 1240, parts 18a, I.18e and I.18j	P/A	Calculations

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 8-5-306	N		95% control of organic vapors (by A31 or S24)	BAAQMD Condition 1240, part II.58b	C	Temperature monitoring
VOC	BAAQMD 8-5-328.1.2	N		Concentration of < 10,000 ppm as methane after cleaning	8-5-503	P/E	Portable hydrocarbon detector
VOC	SIP 8-5-311.3	Y		95% control of organic vapors (by A31 or S24)	BAAQMD Condition 1240, part II.58b	C	Temperature monitoring
	SIP 8-5-328.2	Y		Concentration of < 10,000 ppm as methane after cleaning	8-5-503	P/E	Portable hydrocarbon detector

VII. Applicable Limits and Compliance Monitoring Requirements

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC				None	BAAQMD 8-5-501	P/E	Records of liquids stored and TVPs
VOC	40 CFR 60.112b(a)(3)(ii)	Y		95% control of inlet VOC (by A31 or S24)	BAAQMD Condition 1240, part II.58b	C	Temperature monitoring
VOC	BAAQMD Condition 1240, part I.14	Y		Emissions of NMHC < 49.1 tons per year excluding marine emissions	BAAQMD Condition 1240, parts 18a, I.18c and I.18j	P/A	Calculations
	BAAQMD Condition 1240, part II.31	Y		Vapor pressure shall not exceed 1.5 psia	BAAQMD Condition 1240, part II.31a	P/A	determi-nation pf vapor pressure
	BAAQMD Condition 1240, part II.32a	Y		98.5% destruction of vapors (by A31 or S24)	BAAQMD Condition 1240, part II.58b	C	Temperature monitoring
Through-put	BAAQMD Condition 1240, part II.33a	Y		< 68,208,000 gallons in any consecutive 12-month period for S13, S59, and S63 total	BAAQMD Condition 1240, part II.34	P/M	Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – G
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) (control by A4)	BAAQMD Condition 1240, part I.19	C	Temperature monitoring
	BAAQMD Condition 1240, part I.14	Y		Emissions of NMHC < 49.1 tons per year excluding marine emissions	BAAQMD Condition 1240, parts 18a, I.18d and I.18j	P/A	Calculations
	BAAQMD Condition #1240, part II.60	Y		98.5% destruction of vapors by weight (control by A4)	BAAQMD Condition 1240, part I.19	C	Temperature monitoring
	BAAQMD Condition #1240, part II.61a	Y		Vapor pressure < 11 psia	BAAQMD Condition 1240, part II.29	P/M	Records
Through-put limit	BAAQMD Condition #1240, part II.61b	Y		25,749,000 gallons/any consecutive 12 months	BAAQMD 8-6-501.2	P/M	records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – H
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) (control by A4)	BAAQMD Condition 1240, part I.19	C	Temperature monitoring
	BAAQMD Condition 1240, part I.14	Y		Emissions of NMHC < 49.1 tons per year excluding marine emissions	BAAQMD Condition 1240, parts 18a, I.18d and I.18j	P/A	Calculations
	BAAQMD Condition #1240, part II.63	Y		98.5% destruction of vapors by weight (control by A4)	BAAQMD Condition 1240, part I.19	C	Temperature monitoring
VOC	BAAQMD Condition #1240, part II.64a	Y		Vapor pressure < 1.5 psia	None	N	N/A
Through-put limit	BAAQMD Condition #1240, part II.64b	Y		283,011,000 gallons/any consecutive 12 months	BAAQMD 8-6-501.2	P/M	Records

VII. Applicable Limits and Compliance Monitoring Requirements

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD Condition 1240, part I.14	Y		Emissions of NMHC < 49.1 tons per year excluding marine emissions	BAAQMD Condition 1240, parts 18a, I.18d and I.18j	P/A	Calculations
VOC	BAAQMD Condition #1240, part II.90	Y		Vapor pressure < 0.49 psia	None	N	N/A
Through-put limit	BAAQMD Condition #1240, part II.91	Y		25,749,000 gallons/any consecutive 12 months	BAAQMD Condition #1240, part II.91a	P/M	Records

Table– VII - J
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			None	BAAQMD 8-15-501	P/E	Records
	BAAQMD Condition 1240, part I.14	Y		Emissions of NMHC < 49.1 tons per year excluding marine emissions	BAAQMD Condition 1240, parts 18a, I.18d and I.18j	P/A	Calculations

VII. Applicable Limits and Compliance Monitoring Requirements

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD Condition #1240, part II.68	Y		98.5% destruction of vapors by weight (control by A4)	BAAQMD Condition 1240, part I.19	C	Temperature monitoring
	BAAQMD Condition #1240, part II.71	Y		Vapor pressure < 0.5 psia	BAAQMD Condition #1240, part II.75	P/M	Records
Through-put limit	BAAQMD Condition #1240, part II.74	Y		283,011,000 gallons/any consecutive 12 months for S17, S31, and S54 combined	BAAQMD Condition #1240, part II.75	P/M	Records
Opacity	BAAQMD 6-301	Y		Ringelmann No. 1 for no more than 3 minutes in any hour	BAAQMD Condition 1240, part I.19	C	Temperature monitoring
FP	BAAQMD 6-310	Y		0.15 gr/dscf	BAAQMD Condition 1240, part I.19	C	Temperature monitoring
Odor		N			BAAQMD Condition #1240, part IV.2	P/E	Asphalt tank truck dome inspection program

VII. Applicable Limits and Compliance Monitoring Requirements

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 8-10-301	Y		Abatement of emissions from process vessel depressurization is required until pressure is reduced to less than 1000 mm Hg	BAAQMD 8-10-401	P/E	Records of hydrocarbon concen-tration and emissions
	BAAQMD Condition 1240, part I.14	Y		Emissions of NMHC < 49.1 tons per year excluding marine emissions	BAAQMD Condition 1240, parts 18a, I.18b and I.18j	P/A	Calculations
	BAAQMD Condition #1240, part I.3	Y		98.5% destruction of vapors by weight (control by S19)	BAAQMD Condition 1240, part I.16	P/every 2 years	Source test
HAP	40 CFR 63 63.643(a)(2)	Y		Reduce HAPs by 98% or to 20 ppm @ 3% oxygen	40 CFR 63 63.644(a)(3)	N	Exempt from monitoring
Through-put limit	BAAQMD Condition #1240, part I.1	Y		5,292,000 barrels/any consecutive 12 months	BAAQMD Condition #1240, part I.4	P/M	Records
	BAAQMD Condition #1240, part I.2			18,000 barrels/any calendar day	BAAQMD Condition #1240, part I.4	P/M	Records

VII. Applicable Limits and Compliance Monitoring Requirements

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
NOX	BAAQMD 9-10-301	N		Refinery-wide emissions (excluding CO Boilers): 0.033 lb NOx/ MMBTU, operating day average (compliance with the ACP pursuant to BAAQMD Regulation 2-9-303 and condition #19329 is considered compliance with this limit)	BAAQMD 9-10-502 & BAAQMD Condition #20617	P/every six months	Source test
	BAAQMD 9-10-301	N		Refinery-wide emissions (excluding CO Boilers): 0.033 lb NOx/ MMBTU, operating day average (compliance with the ACP pursuant to BAAQMD Regulation 2-9-303 and condition #19329 is considered compliance with this limit)	BAAQMD 9-10-502 & BAAQMD Condition #20617	P/D	Emission calculations using emission factors, fuel meter, and O2 meter data
	BAAQMD 9-10-303	Y		Refinery-wide emissions (excluding CO boilers): 0.20 lb NOX/MMbtu, operating day average	BAAQMD 9-10-502.1	P/every six months	Source test
	SIP 9-10-303	Y		Refinery-wide emissions (excluding CO boilers): 0.20 lb NOX/MMbtu, operating day average	BAAQMD 9-10-502.1	P/every six months	Source test
	BAAQMD Condition 1240, part I.8	Y		30 ppmv (dry, 3% O2, one hour average)	9-10-502 and BAAQMD Condition 1240, part I.16	P/every six months	Source test

VII. Applicable Limits and Compliance Monitoring Requirements

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
NOX	BAAQMD Condition 1240, part I.14	Y		Emissions of NOX < 40 tons per year excluding marine emissions	BAAQMD Condition 1240, parts 18a, I.18h and I.18j	P/A	Calculations
O2		Y		No limit	BAAQMD Condition 1240, I.10	C	Oxygen analyzer
	BAAQMD Condition #20617, part 12	Y	11/10/03	No limit (limit to be established by 11/10/03)	BAAQMD Condition #20617, part 11	P/H	Oxygen analyzer
CO	BAAQMD 9-10-305	N		400 ppmv (dry, 3% O_2), operating day average	BAAQMD 9-10-502 and BAAQMD Condition 1240, part I.16	P/every six months	Source test
	BAAQMD Condition 1240, part I.5b	Y		140 ppmv (dry, 3% O2) over any one-hour period	BAAQMD Condition 1240, part I.16	P/every 6 months	Source test
	BAAQMD Condition 1240, part I.5c	Y		3.4 lb/hr over any one-hour period	BAAQMD Condition 1240, part I.16	P/every 6 months	Source test
	BAAQMD Condition #20617, part 9	Y	11/10/03	200 ppmv (dry, 3% O_2), 1 hr average or installation of a CO CEM	BAAQMD Condition #20617, parts 7 and 8	P/every 6 months	Source test

VII. Applicable Limits and Compliance Monitoring Requirements

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
SO2	40 CFR, 60.104(a)(1)	Y		Fuel gas H2S concentration limited to 230 mg/dscm (0.10 gr/dscf) except for gas burned as a result of process upset or gas burned at flares from relief valve leaks or other emergency malfunctions	40 CFR 60.105(a)(4)	C	H2S analyzer
	BAAQMD Condition 1240, part I.11	Y		Fuel gas H2S concentration limited to 163 ppmv, dry, prior to mixing averaged over any consecutive 3-hr period	BAAQMD Condition 1240, part I.13	C	H2S CEM
	BAAQMD Condition 1240, part I.12	Y		Fuel gas H2S concentration limited to 10 ppmv, dry, prior to mixing averaged over any consecutive 24-hr period	BAAQMD Condition 1240, part I.13	C	H2S CEM
SO2	BAAQMD Condition 1240, part I.12	Y		fuel gas H2S concentration limited to 10 ppmv, dry, when any vessel is in port	BAAQMD Condition 1240, part I.13	C	H2S CEM
	BAAQMD Condition 1240, part I.14	Y		Emissions of SO2 < 28 tons per year excluding marine emissions	None	N	N/A
Opacity	BAAQMD 6-301	Y		Ringelmann No. 1 for no more than 3 minutes in any hour	None	N	N/A
FP	BAAQMD 6-310.3	Y		0.15 grain/dscf @ 6% oxygen	None	N	N/A

VII. Applicable Limits and Compliance Monitoring Requirements

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD Condition #1240, part I.3	Y		98.5% destruction of vapors by weight	BAAQMD Condition 1240, part I.16	P/every 2 years	Source test
	BAAQMD Condition 1240, part I.14	Y		Emissions of NMHC < 49.1 tons per year excluding marine emissions	BAAQMD Condition 1240, parts 18a, I.18f and I.18j	P/A	Calculations
HAP	40 CFR 63 63.643(a)(2)	Y		Reduce HAPs by 98% or to 20 ppm @ 3% oxygen	40 CFR 63 63.644(a)(3)	None	Exempt from monitoring
Through-put	BAAQMD Condition 1240, part I.5	Y		Maximum heat input to all refinery combustion units < 88.6 MMbtu/hr	BAAQMD Condition 1240, part I.5	C	Fuel meters
	BAAQMD Condition 1240, part I.5a	Y		Maximum heat input to S19 < 40 MMbtu/hr	9-10-502.2	C	Fuel meters
Through-put	BAAQMD Condition 19329, part 1	Y		Maximum heat input to S19 < 40 MMbtu/hr	9-10-502.2	C	Fuel meters

VII. Applicable Limits and Compliance Monitoring Requirements

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
NOX	BAAQMD 9-10-301	N		Refinery-wide emissions (excluding CO Boilers): 0.033 lb NOx/ MMBTU, operating day average (compliance with the ACP pursuant to BAAQMD Regulation 2-9-303 and condition #19329 is considered compliance with this limit)	BAAQMD 9-10-502 and BAAQMD Condition 20617, part 13	P/A	Source test
	BAAQMD 9-10-301	N		Refinery-wide emissions (excluding CO Boilers): 0.033 lb NOx/ MMBTU, operating day average (compliance with the ACP pursuant to BAAQMD Regulation 2-9-303 and condition #19329 is considered compliance with this limit)	BAAQMD 9-10-502	P/D	Emission calculations using emission factors and fuel meter
	BAAQMD 9-10-303	Y		Refinery-wide emissions (excluding CO boilers): 0.20 lb NOX/MMbtu, operating day average	BAAQMD 9-10-502.1	P/A	Source test
	SIP 9-10-303	Y		Refinery-wide emissions (excluding CO boilers): 0.20 lb NOX/MMbtu, operating day average	BAAQMD 9-10-502.1	P/A	Source test
NOX	BAAQMD Condition 1240, part I.14	Y		Emissions of NOX < 40 tons per year excluding marine emissions	BAAQMD Condition 1240, parts 18a, I.18h and I.18j	P/A	Calculations

VII. Applicable Limits and Compliance Monitoring Requirements

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
O2		Y		No limit	BAAQMD 9-10-502	P/A	Source test
CO	BAAQMD 9-10-305	N		400 ppmv (dry, 3% O_2)	BAAQMD 9-10-502	P/A	Source test
SO2	BAAQMD Condition 1240, part I.14	Y		Emissions of SO2 < 28 tons per year excluding marine emissions	None	N	N/A
Opacity	BAAQMD 6-301	Y		Ringelmann No. 1 for no more than 3 minutes in any hour (gaseous fuel)	None	N	N/A
FP	BAAQMD 6-310.3	Y		0.15 grain/dscf @ 6% oxygen	None	N	N/A
VOC	BAAQMD Condition 1240, part I.14	Y		Emissions of NMHC < 49.1 tons per year excluding marine emissions	BAAQMD Condition 1240, parts 18a, I.18f and I.18j	P/A	Calculations
Through-put	BAAQMD Condition 1240, part I.5	Y		Maximum heat input to all refinery combustion units < 88.6 MMbtu/hr	BAAQMD Condition 1240, part I.5	C	Fuel meters
	BAAQMD Condition 19329, part 1	Y		Maximum heat input to S20 < 15 MMbtu/hr	9-10-502.2	C	Fuel meters

VII. Applicable Limits and Compliance Monitoring Requirements

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
NOX	BAAQMD 9-10-301	N		Refinery-wide emissions (excluding CO Boilers): 0.033 lb NOx/ MMBTU, operating day average (compliance with the ACP pursuant to BAAQMD Regulation 2-9-303 and condition #19329 is considered compliance with this limit)	BAAQMD 9-10-502 and BAAQMD Condition 20617, part 13	P/A	Source test
	BAAQMD 9-10-301	N		Refinery-wide emissions (excluding CO Boilers): 0.033 lb NOx/ MMBTU, operating day average (compliance with the ACP pursuant to BAAQMD Regulation 2-9-303 and condition #19329 is considered compliance with this limit)	BAAQMD 9-10-502	P/D	Emission calculations using emission factors and fuel meter
	BAAQMD 9-10-303	Y		Refinery-wide emissions (excluding CO boilers): 0.20 lb NOX/MMbtu, operating day average	BAAQMD 9-10-502.1	P/A	Source test
	SIP 9-10-303	Y		Refinery-wide emissions (excluding CO boilers): 0.20 lb NOX/MMbtu, operating day average	BAAQMD 9-10-502.1	P/A	Source test
NOX	BAAQMD Condition 1240, part I.14	Y		Emissions of NOX < 40 tons per year excluding marine emissions	BAAQMD Condition 1240, parts 18a, I.18h and I.18j	P/A	Calculations

VII. Applicable Limits and Compliance Monitoring Requirements

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
O2		Y		No limit	BAAQMD 9-10-502	P/A	Source test
CO	BAAQMD 9-10-305	N		400 ppmv (dry, 3% O_2), operating day average	BAAQMD 9-10-502	P/A	Source test
SO2	BAAQMD Condition 1240, part I.14	Y		Emissions of SO2 < 28 tons per year excluding marine emissions	None	N	N/A
Opacity	BAAQMD 6-301	Y		Ringelmann No. 1 for no more than 3 minutes in any hour	None	N	N/A
FP	BAAQMD 6-310.3	Y		0.15 grain/dscf @ 6% oxygen	None	N	N/A
VOC	BAAQMD Condition 1240, part I.14	Y		Emissions of NMHC < 49.1 tons per year excluding marine emissions	BAAQMD Condition 1240, parts 18a, I.18f and I.18j	P/A	Calculations
Through-put	BAAQMD Condition 1240, part I.5	Y		Maximum heat input to all refinery combustion units < 88.6 MMbtu/hr	BAAQMD Condition 1240, part I.5	C	Fuel meters
	BAAQMD Condition 19329, part 1	Y		Maximum heat input to S21 < 15 MMbtu/hr	9-10-502.2	C	Fuel meters

VII. Applicable Limits and Compliance Monitoring Requirements

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
NOX	BAAQMD Condition 1240, part I.14	Y		Emissions of NOX < 40 tons per year excluding marine emissions	BAAQMD Condition 1240, parts 18a, I.18i and I.18j	P/A	Calculations
SO2	BAAQMD Condition 1240, part I.14	Y		Emissions of SO2 < 28 tons per year excluding marine emissions	None	N	N/A
Opacity	BAAQMD 6-301	Y		Ringelmann No. 1 for no more than 3 minutes in any hour (gaseous fuel)	BAAQMD Condition #1240, II.58b	C	Temperature monitoring
	40 CFR 60.472(c)	Y		0 percent opacity except for one consecutive 15-min period in any 24-hr period for cleaning	40 CFR 60.473(c) and BAAQMD Condition #1240, II.58b	C	Temperature monitoring
FP	BAAQMD 6-310.3	Y		0.15 grain/dscf @ 6% oxygen	BAAQMD Condition #1240, II.58b	C	Temperature monitoring
VOC	BAAQMD 8-5-306	N		95% control of organic vapors	BAAQMD Condition 1240, part II.58b	C	Temperature monitoring
VOC	SIP 8-5-311.3	Y		95% control of organic vapors	BAAQMD Condition 1240, part II.58b	C	Temperature monitoring
	40 CFR 60.112b(a)(3)(ii)	Y		95% control of inlet VOC	BAAQMD Condition 1240, part II.58b	C	Temperature monitoring

VII. Applicable Limits and Compliance Monitoring Requirements

Table– VII – O
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	40 CFR 61.349(a)(2)(i)(A)	Y		95% control	40 CFR 61.354(c)(4)	C	Temper-ature measure-ment
VOC	BAAQMD Condition 1240, part I.14	Y		Emissions of NMHC < 49.1 tons per year excluding marine emissions	BAAQMD Condition 1240, parts 18a, I.18g and I.18j	P/A	Calculations
	BAAQMD Condition 1240, part II.32a, b, c	Y		98.5% control efficiency	BAAQMD Condition 1240, part II.58b	C	Temperature monitoring
	BAAQMD Condition 1240, part II.43	Y		98.5% control efficiency	BAAQMD Condition 1240, part II.58b	C	Temperature monitoring
	BAAQMD Condition 1240, part II.44	Y		Fugitive emissions at vapor recovery system (S24 or A31) shall not exceed 100 ppmv	BAAQMD Condition 1240, part II.44	P/Q or A	Method 21
	BAAQMD Condition #1240, II.55	Y		98.5% destruction of vapors	BAAQMD Condition 1240, part II.58b	C	Temperature monitoring
	BAAQMD Condition #1240, II.56	Y		98.5% destruction of vapors	BAAQMD Condition 1240, part II.58b	C	Temperature monitoring
	BAAQMD Condition #1240, II.57	Y		98.5% destruction of vapors	BAAQMD Condition 1240, part II.58b	C	Temperature monitoring

VII. Applicable Limits and Compliance Monitoring Requirements

Table– VII – O
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 Condition 1240, part II.85	Y		98.5% destruction of vapors	BAAQMD Condition 1240, part II.58b	C	Temperature monitoring
Through-put	BAAQMD Condition 1240, part I.5	Y		Maximum heat input to all refinery combustion units < 88.6 MMbtu/hr	BAAQMD Condition 1240, part I.5	C	fuel meters

Table VII – P
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 61.349(a)(2)(i)(A)	Y		95% control (control by A31 or S24)	40 CFR 61.354(c)(1), 61.354(c)(4)	C	Temper-ature measure-ment
	40 CFR 61.349(f)	Y		Visual inspection of closed vent system and control device	40 CFR 61.349(f)	P/Q	Visual inspection
VOC	BAAQMD Condition 1240, part I.14	Y		Emissions of NMHC < 49.1 tons per year excluding marine emissions	BAAQMD Condition 1240, parts 18a, I.18e and I.18j	P/A	Calculations

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – Q
Applicable Limits and Compliance Monitoring Requirements
S26, SKIMMED OIL TANK

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	40 CFR 61.349(f)	Y		Visual inspection of closed vent system and control device	40 CFR 61.349(f)	P/Q	Visual inspection
VOC	40 CFR 61.349(a)(1)(ii)(B)	Y		Car-sealed valves on bypass lines	40 CFR 61.354(f)(1)	P/M	Visual inspection
VOC	40 CFR 61.349(a)(2)(ii)	Y		95% control of VOC (control by A23 or A24)	40 CFR 61.354(d)	P/D	Measure-ment of VOC content of outlet
VOC	BAAQMD Condition 1240, part I.14	Y		Emissions of NMHC < 49.1 tons per year excluding marine emissions	BAAQMD Condition 1240, parts 18a, I.18e and I.18j	P/A	Calculations

Table VII – R
Applicable Limits and Compliance Monitoring Requirements
S27, RECOVERED OIL TANK

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 8-5-306	N		95% control of organic vapors (control by A21 or A22)	40 CFR 61.354(d)	P/D	Measure-ment of VOC content of outlet

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – R
Applicable Limits and Compliance Monitoring Requirements
S27, RECOVERED OIL TANK

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	SIP 8-5-311.3	Y		95% control of organic vapors (control by A21 or A22)	40 CFR 61.354(d)	P/D	Measure-ment of VOC content of outlet
VOC	40 CFR 61.349(f)	Y		Visual inspection of closed vent system and control device	40 CFR 61.349(f)	P/Q	Visual inspection
VOC	40 CFR 61.349(a)(1)(i)	Y		Operation with Fugitive emissions < 500 ppmv	40 CFR 61.349(f)	P/Q	Visual inspection
	40 CFR 61.349(a)(1)(ii)(B)	Y		Car-sealed valves on bypass lines	40 CFR 61.354(f)(1)	P/Q	Visual inspection
VOC	40 CFR 61.349(a)(2)(ii)	Y		95% control of VOC (control by A21 or A22)	40 CFR 61.354(d)	P/D	Measure-ment of VOC content of outlet
VOC	BAAQMD Condition 1240, part I.14	Y		Emissions of NMHC < 49.1 tons per year excluding marine emissions	BAAQMD Condition 1240, parts 18a, I.18e and I.18j	P/A	Calculations

VII. Applicable Limits and Compliance Monitoring Requirements

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 8-10-301	Y		abatement of emissions from process vessel depressurization is required until pressure is reduced to less than 1000 mm Hg	BAAQMD 8-10-401	P/E	Records of hydrocarbon concen-tration and emissions
VOC	BAAQMD Condition 1240, part I.14	Y		Emissions of NMHC < 49.1 tons per year excluding marine emissions	BAAQMD Condition 1240, parts 18a, I.18b and I.18j	P/A	Calculations

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC				None	40 CFR 63.567(j)(4)	P/E	Records
SO2	BAAQMD Condition 1240, part III.2	Y		2.9% S in fuel oil burned by vessels	BAAQMD Condition 1240, part III.9	P/M	Records
Shipping limits	BAAQMD Condition 1240, part III.1	Y		12 ships per year	BAAQMD Condition 1240, part III.9	P/M	Records

VII. Applicable Limits and Compliance Monitoring Requirements

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
	BAAQMD Condition 1240, part III.1	Y		Vessels less than 49 MDWEIGHT	BAAQMD Condition 1240, part III.9	P/M	Records
	BAAQMD Condition 1240, part III.6	Y		6 barge loadings in any month: 1 barge loading in any day; barge capacity < 100,000 barrels	BAAQMD Condition 1240, part III.9	P/M	Records

Table VII – U
Applicable Limits and Compliance Monitoring Requirements
S31, RAIL CAR ASPHALT LOADING RACK

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 8-6-301	Y		0.17 pounds per 1,000 gallons loaded	BAAQMD Condition 1240, part II.58b	C	Temperature monitoring
	BAAQMD 8-15-305			None	BAAQMD 8-15-501	P/E	Records
	BAAQMD Condition 1240, part I.14	Y		Emissions of NMHC < 49.1 tons per year excluding marine emissions	BAAQMD Condition 1240, parts 18a, I.18d and I.18j	P/A	Calculations

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – U
Applicable Limits and Compliance Monitoring Requirements
S31, Rail Car Asphalt Loading Rack

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
	BAAQMD Condition 1240, part II.32	Y		98.5% control efficiency (control by A31 or S24)	BAAQMD Condition 1240, part II.58b	C	Temperature monitoring
	BAAQMD Condition #1240, part II.69	Y		98.5% destruction of vapors by weight (control by A31 or S24)	BAAQMD Condition 1240, part II.58b	C	Temperature monitoring
	BAAQMD Condition #1240, part II.72	Y		Vapor pressure < 1.5 psia	BAAQMD Condition #1240, part II.75	P/M	records
	BAAQMD Condition #1240, part II.73	Y		Vapor pressure of asphalt or asphalt containing materials < 0.5 psia	BAAQMD Condition #1240, part II.75	P/M	Records
Opacity	BAAQMD 6-301	Y		Ringelmann No. 1 for no more than 3 minutes in any hour	BAAQMD Condition #1240, II.58b	C	Temperature monitoring
FP	BAAQMD 6-310	Y		0.15 gr/dscf	BAAQMD Condition #1240, II.58b	C	Temperature monitoring
Through-put limit	BAAQMD Condition #1240, part II.74	Y		283,011,000 gallons/any consecutive 12 months for S17, S31, and S54 combined	BAAQMD Condition #1240, part II.75	P/M	Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – V
Applicable Limits and Compliance Monitoring Requirements
S32, LGO STRIPPER

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 8-10-301	Y		abatement of emissions from process vessel depressurization is required until pressure is reduced to less than 1000 mm Hg	BAAQMD 8-10-401	P/E	Records of hydrocarbon concen-tration and emissions
	BAAQMD Condition 1240, part I.14	Y		Emissions of NMHC < 49.1 tons per year excluding marine emissions	BAAQMD Condition 1240, parts 18a, I.18b and I.18j	P/A	Calculations
	BAAQMD Condition #1240, part I.3	Y		98.5% destruction of vapors by weight (control by S19)	BAAQMD Condition 1240, part I.16	P/every 2 years	Source test
HAP	40 CFR 63 63.643(a)(2)	Y		Reduce HAPs by 98% or to 20 ppm @ 3% oxygen	40 CFR 63 63.644(a)(3)	N	Exempt from monitoring

VII. Applicable Limits and Compliance Monitoring Requirements

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
NOX	BAAQMD Condition 1240, part I.14	Y		Emissions of NOX < 40 tons per year excluding marine emissions	BAAQMD Condition 1240, parts 18a, I.18I and I.18j	P/A	Calculations
VOC	BAAQMD Condition 1240, part I.14	Y		Emissions of NMHC < 49.1 tons per year excluding marine emissions	BAAQMD Condition 1240, parts 18a, I.18g and I.18j	P/A	Calculations
SO2	BAAQMD Condition 1240, part I.14	Y		Emissions of SO2 < 28 tons per year excluding marine emissions	None	N	N/A
Opacity	BAAQMD 6-301	Y		Ringelmann No. 1 for no more than 3 minutes in any hour (gaseous fuel)	None	N	N/A
FP	BAAQMD 6-310.3	Y		0.15 grain/dscf @ 6% oxygen	None	N	N/A
Through-put	BAAQMD Condition 1240, part I.5	Y		Maximum heat input to all refinery combustion units < 88.6 MMbtu/hr	BAAQMD Condition 1240, part I.5	C	Fuel meters

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - X
Applicable Limits and Compliance Monitoring Requirements
S39, LUBE OIL TANK

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD Condition 1240, part I.14	Y		Emissions of NMHC < 49.1 tons per year excluding marine emissions	None	N	N/A

Table VII - Y
Applicable Limits and Compliance Monitoring Requirements
S40, LATEX STORAGE TANK

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD Condition 1240, part I.14	Y		Emissions of NMHC < 49.1 tons per year excluding marine emissions	None	N	N/A

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 8-8-307.2	Y		> 70% combined collection and destruction efficiency by weight	BAAQMD Condition 1240, part II.58b	C	Temperature monitoring

VII. Applicable Limits and Compliance Monitoring Requirements

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
	40 CFR 61.349(a)(2)(i)(A)	Y		95% control (by A31 or S24))	40 CFR 61.354(c)(1)	C	Temper-ature measure-ment
	40 CFR 61.349(f)	Y		Visual inspection of closed vent system and control device	40 CFR 61.349(f)	P/Q	Visual inspection
VOC	BAAQMD Condition 1240, part I.14	Y		Emissions of NMHC < 49.1 tons per year excluding marine emissions	BAAQMD Condition 1240, parts 18a, I.18e and I.18j	P/A	Calculations
Through-put	BAAQMD Condition 1240, part II.92	Y		77,263,000 gallons per year	BAAQMD Condition 1240, part II.92a	P/M	Records

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

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

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
FP	BAAQMD 6-310	Y		0.15 gr/dscf	BAAQMD Condition #1240, II.58b	C	Temperature monitoring
VOC	BAAQMD 8-15-305			None	BAAQMD 8-15-501	P/E	Records
	BAAQMD Condition 1240, part I.14	Y		Emissions of NMHC < 49.1 tons per year excluding marine emissions	BAAQMD Condition 1240, parts 18a, I.18c and I.18j	P/A	calculations
	BAAQMD Condition #1240, II.50	Y		Vapor pressure may not exceed 0.50 psia	BAAQMD Condition #1240, II.58	P/M	Records
	BAAQMD Condition #1240, II.56	Y		98.5% destruction of vapors (control by A31 or S24)	BAAQMD Condition 1240, part II.58b	C	Temperature monitoring
Through-put limit	BAAQMD Condition #1240, II.48	Y		6,738,349 barrels/yr total for S5, S6, S7, S8, S37, S38, S51, S52, S53, S60, S61, S62, and S65	BAAQMD Condition #1240, II.58	P/M	Records

VII. Applicable Limits and Compliance Monitoring Requirements

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 8-15-305			None	BAAQMD 8-15-501	P/E	Records
	BAAQMD Condition 1240, part I.14	Y		Emissions of NMHC < 49.1 tons per year excluding marine emissions	BAAQMD Condition 1240, parts 18a, I.18d and I.18j	P/A	calculations
	BAAQMD Condition #1240, part II.70	Y		98.5% destruction of vapors by weight (control by A31 or S24)	BAAQMD Condition 1240, part II.58b	C	Temperature monitoring
	BAAQMD Condition #1240, part II.71	Y		Vapor pressure < 0.5 psia	BAAQMD Condition #1240, part II.75	P/M	records
Opacity	BAAQMD 6-301	Y		Ringelmann No. 1 for no more than 3 minutes in any hour	BAAQMD Condition #1240, II.58b	C	Temperature monitoring
FP	BAAQMD 6-310	Y		0.15 gr/dscf	BAAQMD Condition #1240, II.58b	C	Temperature monitoring
Through-put limit	BAAQMD Condition #1240, part II.74	Y		283,011,000 gallons/any consecutive 12 months for S17, S31, and S54 combined	BAAQMD Condition #1240, part II.75	P/M	Records
Odor				None	BAAQMD Condition #1240, part IV.2	P/E	Asphalt tank truck dome inspection program

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – AC
Applicable Limits and Compliance Monitoring Requirements
S59, GAS OIL TANK

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 8-5-306	N		95% control of organic vapors (by A31 or S24)	BAAQMD Condition 1240, part II.58b	C	Temperature monitoring
	BAAQMD 8-5-328.1.2	N		Concentration of < 10,000 ppm as methane after cleaning	8-5-503	P/E	Portable hydrocarbon detector
VOC	SIP 8-5-311.3	Y		95% control of organic vapors (control by A31 or S24)	BAAQMD Condition 1240, part II.58b	C	Temperature monitoring
	SIP 8-5-328.2	Y		Concentration of < 10,000 ppm as methane after cleaning	8-5-503	P/E	Portable hydrocarbon detector
				None	BAAQMD 8-5-501	P/E	Records of liquids stored and TVPs
VOC	BAAQMD Condition 1240, part I.14	Y		Emissions of NMHC < 49.1 tons per year excluding marine emissions	BAAQMD Condition 1240, parts 18a, I.18c and I.18j	P/A	Calculations
	BAAQMD Condition 1240, part II.31	Y		Vapor pressure shall not exceed 1.5 psia	BAAQMD Condition 1240, part II.31a	P/A	determi-nation pf vapor pressure
	BAAQMD Condition 1240, part II.32b	Y		98.5% destruction of vapors (control by A31 or S24)	BAAQMD Condition 1240, part II.58b	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
Through-put	BAAQMD Condition 1240, part II.33a			< 68,208,000 gallons in any consecutive 12-month period for S13, S59, and S63 total	BAAQMD Condition 1240, part II.34	P/M	records

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-301	Y		Ringelmann No. 1 for no more than 3 minutes in any hour	BAAQMD Condition #1240, II.58b	C	Temperature monitoring
	40 CFR 60.472(c)	Y		0 percent opacity except for one consecutive 15-min period in any 24-hr period for clearing	40 CFR 60.473(c) and BAAQMD Condition #1240, II.58b	C	Temperature monitoring
FP	BAAQMD 6-310	Y		0.15 gr/dscf	BAAQMD Condition #1240, II.58b	C	Temperature monitoring
VOC	BAAQMD 8-15-305			None	BAAQMD 8-15-501	P/E	Records
	BAAQMD Condition 1240, part I.14	Y		Emissions of NMHC < 49.1 tons per year excluding marine emissions	BAAQMD Condition 1240, parts 18a, I.18c and I.18j	P/A	calculations

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, II.51	Y		Vapor pressure may not exceed 0.49 psia	BAAQMD Condition #1240, II.58	P/M	Records
	BAAQMD Condition #1240, II.57	Y		98.5% destruction of vapors (control by A31 or S24)	BAAQMD Condition 1240, part II.58b	C	Temperature monitoring
Through-put limit	BAAQMD Condition #1240, II.48	Y		6,738,349 barrels/yr total for S5, S6, S7, S8, S37, S38, S51, S52, S53, S60, S61, S62, and S65	BAAQMD Condition #1240, II.58	P/M	Records

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 8-5-306	N		95% control of organic vapors (by A31 or S24)	BAAQMD Condition 1240, part II.58b	C	Temperature monitoring
	BAAQMD 8-5-328.1.2	N		Concentration of < 10,000 ppm as methane after cleaning	8-5-503	P/E	Portable hydrocarbon detector
VOC	SIP 8-5-311.3	Y		95% control of organic vapors (control by A31 or S24)	BAAQMD Condition 1240, part II.58b	C	Temperature monitoring

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
	SIP 8-5-328.2	Y		Concentration of < 10,000 ppm as methane after cleaning	8-5-503	P/E	Portable hydrocarbon detector
				None	BAAQMD 8-5-501	P/E	Records of liquids stored and TVPs
	BAAQMD Condition 1240, part I.14	Y		Emissions of NMHC < 49.1 tons per year excluding marine emissions	BAAQMD Condition 1240, parts 18a, I.18c and I.18j	P/A	calculations
	BAAQMD Condition 1240, part II.31	Y		Vapor pressure shall not exceed 1.5 psia	BAAQMD Condition 1240, part II.31a	P/A	determi-nation pf vapor pressure
	BAAQMD Condition 1240, part II.32c	Y		98.5% destruction of vapors (control by A31 or S24)	BAAQMD Condition 1240, part II.58b	C	Temperature monitoring
Through-put	BAAQMD Condition 1240, part II.33a			< 68,208,000 gallons in any consecutive 12-month period for S13, S59, and S63 total	BAAQMD Condition 1240, part II.34	P/M	records

VII. Applicable Limits and Compliance Monitoring Requirements

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-301	Y		Ringelmann No. 1 for no more than 3 minutes in any hour	BAAQMD Condition #1240, II.58b	C	Temperature monitoring
	40 CFR 60.472(c)	Y		0 percent opacity except for one consecutive 15-min period in any 24-hr period for clearing	40 CFR 60.473(c) and BAAQMD Condition #1240, II.58b	C	Temperature monitoring
FP	BAAQMD 6-310	Y		0.15 gr/dscf	BAAQMD Condition #1240, II.58b	C	Temperature monitoring
VOC	BAAQMD 8-15-305			None	BAAQMD 8-15-501	P/E	Records
	BAAQMD Condition 1240, part I.14	Y		Emissions of NMHC < 49.1 tons per year excluding marine emissions	BAAQMD Condition 1240, parts 18a, I.18c and I.18j	P/A	calculations
	BAAQMD Condition #1240, II.52	Y		Vapor pressure may not exceed 0.49 psia	BAAQMD Condition #1240, II.58	P/M	Records
	BAAQMD Condition #1240, II.53	Y		Fugitive emissions shall not exceed 100 ppm	BAAQMD Condition 1240, part II.53	P/Q or A	Method 21
	BAAQMD Condition #1240, II.56	Y		98.5% destruction of vapors (control by A31 or S24)	BAAQMD Condition 1240, part II.58b	C	Temperature monitoring
Through-put limit	BAAQMD Condition #1240, II.48	Y		6,738,349 barrels/yr total for S5, S6, S7, S8, S37, S38, S51, S52, S53, S60, S61, S62, and S65	BAAQMD Condition #1240, II.58	P/M	Records

VII. Applicable Limits and Compliance Monitoring Requirements

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 8-8-301.3			95% combined collection and destruction efficiency (control by A31 or S24)	BAAQMD Condition 1240, part II.58b	C	Temperature monitoring
	40 CFR 61.349(a)	Y		95% control (by A31 or S24)	40 CFR 61.354(c)(1)	C	Temperature monitoring
	40 CFR 61.349(f)	Y		Visual inspection of closed vent system and control device	40 CFR 61.349(f)	P/Q	Visual inspection
VOC	BAAQMD Condition 1240, part I.14	Y		Emissions of NMHC < 49.1 tons per year excluding marine emissions	BAAQMD Condition 1240, parts 18a, I.18e and I.18j	P/A	calculations
	BAAQMD Condition 1240, part II.85	Y		98.5% destruction of vapors	BAAQMD Condition 1240, part II.58b	C	Temperature monitoring
	BAAQMD Condition 1240, part II.86	Y		No detectable fugitive emissions in excess of 100 ppm, measured as total organic compounds			
Through-put limit	BAAQMD Condition #1240, II.83	Y		11,376,000 gallons/yr	BAAQMD Condition #1240, II.87 and II.88	P/M	Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – AH
Applicable Limits and Compliance Monitoring Requirements
S67-RECOVERED OIL TANK

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 8-5-306	N		95% control of organic vapors (by A31 or S24)	BAAQMD Condition 1240, part II.58b	C	Temperature monitoring
VOC	SIP 8-5-311.3	Y		95% control of organic vapors (control by A31 or S24)	40 CFR 61.354(c)(1)	C	Temper-ature measure-ment
	40 CFR 61.349(f)	Y		Visual inspection of closed vent system and control device	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 (control by A31 or S24)	40 CFR 61.354(c)(1)	C	Temper-ature measure-ment
VOC	BAAQMD Condition 1240, part I.14	Y		Emissions of NMHC < 49.1 tons per year excluding marine emissions	BAAQMD Condition 1240, parts 18a, I.18e and I.18j	P/A	Calculations

VII. Applicable Limits and Compliance Monitoring Requirements

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-303.1	Y		Ringelmann No. 2 for no more than 3 minutes in any hour	None	N	N/A
FP	BAAQMD 6-310	Y		0.15 gr/dscf	None	N	N/A
Hours of operation	BAAQMD 9-8-330	N		up to 100 hours for reliability testing	BAAQMD 9-8-530	P/M	records
	BAAQMD 9-8-330	N		unlimited hours in case of emergency	BAAQMD 9-8-530	P/M	records
NOX	BAAQMD Condition 1240, part I.14	Y		Emissions of NOX < 40 tons per year excluding marine emissions	BAAQMD Condition 1240, parts 18a, I.18i and I.18j	P/A	Calculations
SO2	BAAQMD 9-1-304	Y		Fuel Sulfur Limit 0.5% by weight	BAAQMD Condition 18796, Part 1	P/E	fuel certification
	BAAQMD Condition 1240, part I.14	Y		Emissions of SO2 < 28 tons per year excluding marine emissions	None	N	N/A
	BAAQMD Condition 18796, Part 1	N		Fuel Sulfur Limit 0.05% by weight	BAAQMD Condition 18796, Part 1	P/E	fuel certification
NHMC	BAAQMD Condition 1240, part I.14	Y		Emissions of NMHC < 49.1 tons per year excluding marine emissions	BAAQMD Condition 1240, parts 18a, I.18g and I.18j	P/A	Calculations

VII. Applicable Limits and Compliance Monitoring Requirements

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-301	Y		Ringelmann No. 1 for no more than 3 minutes in any hour	BAAQMD Condition 20278, parts 6d and 7	P/A	visible emissions inspection
	BAAQMD Condition 20278, part 4a	Y		Ringelmann No. 1 for no more than 3 minutes in any hour	None	N	N/A
FP	BAAQMD 6-310	Y		0.15 gr/dscf	None	N	N/A
	BAAQMD 6-311	Y		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	None	N	N/A
Through-put	BAAQMD Condition 20278, part 2	Y		2,650 tons in any 12 months	BAAQMD Condition 20278, part 6	P/D	records

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-301	Y		Ringelmann No. 1 for no more than 3 minutes in any hour	BAAQMD Condition #1240, II.58b	C	Temperature monitoring
	BAAQMD Condition 20278, part 4a	Y		Ringelmann No. 1 for no more than 3 minutes in any hour	BAAQMD Condition #1240, II.58b	C	Temperature monitoring

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – AI
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
	40 CFR 60.472(c)	Y		0 percent opacity except for one consecutive 15-min period in any 24-hr period for cleaning	40 CFR 60.473(c) and BAAQMD Condition #1240, II.58b	C	Temperature monitoring
FP	BAAQMD 6-310	Y		0.15 gr/dscf	BAAQMD Condition #1240, II.58b	C	Temperature monitoring
VOC	BAAQMD 8-15-305			None	BAAQMD 8-15-501	P/E	Records
	BAAQMD Condition 1240, part I.14	Y		Emissions of NMHC < 49.1 tons per year excluding marine emissions	BAAQMD Condition 1240, parts 18a, I.18c and I.18j	P/A	Calculations
	BAAQMD Condition #1240, II.50	Y		Vapor pressure may not exceed 0.5 psia	BAAQMD Condition #1240, II.58	P/M	Records
	BAAQMD Condition #1240, II.55	Y		98.5% destruction of vapors (control by S24 or A31)	BAAQMD Condition 1240, part II.58b	C	Temperature monitoring
Through-put	BAAQMD Condition 20278, part 1	Y		17,591 tons in any 12 months	BAAQMD Condition 20278, part 6	P/D	records
Hours of operation	BAAQMD Condition 20278, part 5	Y		1248 hours in any 12 months	BAAQMD Condition 20278, part 6	P/D	records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – AJ
Applicable Limits and Compliance Monitoring Requirements
COMPONENTS

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 8-18-301	Y		General equipment leak < 100 ppm or minimize in 24 hours, repair in 7 days	None	N	N/A
VOC	BAAQMD 8-18-302	Y		Valve leak < 100 ppm or minimize in 24 hours, repair in 7 days	BAAQMD 8-18-401.2 or 8-18-404	P/Q (footnote A)	Method 21 Inspection
VOC	BAAQMD 8-18-302	Y		Inaccessible valve leak < 100 ppm or minimize in 24 hours, repair in 7 days	BAAQMD 8-18-401.3	P/A	Method 21 Inspection
VOC	BAAQMD 8-18-303	Y		Pump and compressor leak < 500 ppm or minimize in 24 hours, repair in 7 days	BAAQMD 8-18-401.2	P/Q	Method 21 Inspection
VOC	BAAQMD 8-18-304.2	Y		Connection leak < 100 ppm or minimize in 24 hours, repair in 7 days	BAAQMD 8-18-401.6	P/every 5 years (see footnote B)	Method 21 Inspection
VOC	BAAQMD 8-18-304.2	Y		Connection leak < 100 ppm or minimize in 24 hours, repair in 7 days (for connectors opened during turnaround)	BAAQMD 8-18-401.1	P/E (within 90 days of turnaround)	Method 21 Inspection
VOC	BAAQMD 8-18-305	Y		Pressure relief valve leak < 500 ppm or minimize in 24 hours, repair in 15 days	BAAQMD 8-18-401.2 and 8-18-401.7	P/Q	Method 21 Inspection
VOC	BAAQMD 8-18-305	Y		Inaccessible pressure relief valve leak < 500 ppm or minimize in 24 hours, repair in 15 days	BAAQMD 8-18-401.3	P/A	Method 21 Inspection
VOC	BAAQMD 8-18-305	Y		Pressure relief valve leak ≤ 500 ppm or minimize in 24 hours, repair in 15 days	BAAQMD 8-18-401.8	P/E (5 working days after release)	Method 21 Inspection

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – AJ
Applicable Limits and Compliance Monitoring Requirements
COMPONENTS

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

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – AJ
Applicable Limits and Compliance Monitoring Requirements
COMPONENTS

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 8-28-304.1	N		Pressure Relief Device with reportable releases in 5-year period.	BAAQMD 8-28-304.1 & 8-28-405	P/E (90 day after release) P/E (120 day after release)	PHA & PMP Report Install tamper-proof indicators
VOC	BAAQMD 8-28-304.2	N		After 2nd release in 5 years; Vent Pressure Relief Devices to an Abatement Device with 95% destruction efficiency	None	N	N/A
40 CFR 60; Subpart VV							
VOC	60.482-2 (b)(1)	Y		LL Pump leak < 10,000 ppm	60.482-2 (a)(1)	P/M	Method 21 Inspection
VOC	60.482-2 (b)(2)	Y		Pump leak Indicated by dripping liquid	60.482-2 (a)(2)	P/W	Visual Inspection
VOC	60.482-2(e)	Y		Pump designated for "No detectable emissions" pursuant to 60.486(e), < 500 ppm	60.482-2(e)(3)	P/A	Method 21 Inspection
	60.482-3(d)	Y		Compressor shall have a sensor to detect failure of seal system, barrier fluid system, or both	60.482-3 (e)(1)	C or P/D	Sensor with audible alarm or checked daily
	60.482-3(i)	Y		Compressor designated for "No detectable emissions" pursuant to 60.486(e), < 500 ppm	60.482-3(i)(2)	P/A	Method 21 Inspection

VII. Applicable Limits and Compliance Monitoring Requirements

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

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – AJ
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	60.482-10 (g)	Y		Closed-vent systems leak ≤ 500 ppm or visible leak indication, or 1st repair attempt 5 day, repaired 15 days, or turnaround list	60.482-10 (f)	P/A	Method 21 inspection; Visual Inspection
VOC		Y		Individual valve that measures <10,000 ppm for 5 consecutive quarters may be monitored annually, if in a process unit with 5 consecutive quarters <2% valves leaking > 10,000 ppm.	60.483-2(b)(3) (See footnote c)	P/A (if criteria are met)	Method 21 inspection
VOC		Y		Individual valve that measures <10,000 ppm for 2 consecutive quarters may be monitored semiannually, if in a process unit with 2 consecutive quarters <2% valves leaking ≥10,000 ppm.[c]	60.483-2(b)(2) (footnote c)	SA (if criteria are met)	Method 21 Inspection
NMHC	BAAQMD Condition 1240, part I.14	Y		Emissions of NMHC < 49.1 tons per year excluding marine emissions	BAAQMD Condition 1240, parts 18a, I.18b and I.18j	P/M	Calculations
40 CFR 61; Subpart FF (Benzene Waste NESHAP)							
VOC	61.343 (a)(1)(i)(A)	Y		Tanks fittings leak ≤ 500 ppm	61.343 (a)(1)(i)(A)	P/A	Method 21 Inspection
VOC	63.345 (a)(1)(i)	Y		Container fittings leak ≤ to 500 ppm	63.345 (a)(1)(i)	P/A	Method 21 Inspection
VOC	61.347 (a)(1)(i)(A)	Y		O/W Separator fittings leak ≤ 500 ppm	61.347 (a)(1)(i)(A)	P/A	Method 21 Inspection

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – AJ
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	61.349 (a)(1)(i)	Y		Closed-vent systems <500 ppm above background	61.349 (a)(1)(i)	P/A	Method 21 Inspection
	40 CFR 61.349(f)	Y		Visual inspection of closed vent system and control device	40 CFR 61.349(f)	P/Q	Visual inspection

Footnotes to Table VII-I

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

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

[c] The 40 CFR 60.483-2 (Subpart VV) alternative screening schedule for valves is analogous to the Valero Alternative Inspection Schedule (see footnote "a") with two exceptions: 60.483-2 uses a leak definition of 10,000 ppm VOC rather than 100 ppm TOC, and 60.483-2 requires that the percentage of valves leaking facility-wide (at 10,000 ppm) must have been less than 2% for the five-quarter time period. For process units covered by refinery MACT, 63.648(a)(2) allows the percentage leaking to be determined on a refinery-wide basis. This applies to all process units except NSPS process units except Dimersol, which is not subject to MACT. Finally, 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 – AK
Applicable Limits and Compliance Monitoring Requirements
A4, THERMAL OXIDIZER

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
NOX	BAAQMD Condition 1240, part I.14	Y		Emissions of NOX < 40 tons per year excluding marine emissions	BAAQMD Condition 1240, parts 18a, I.18i and I.18j	P/A	Calculations
SO2	BAAQMD Condition 1240, part I.14	Y		Emissions of SO2 < 28 tons per year excluding marine emissions	None	N	N/A
VOC	BAAQMD 8-6-301	Y		21 g/cubic meter (0.17 lb/1000 gallons)	BAAQMD Condition 1240, part I.19	C	Temperature monitoring
VOC	BAAQMD Condition 1240, part I.14	Y		Emissions of NMHC < 49.1 tons per year excluding marine emissions	BAAQMD Condition 1240, parts 18a, I.18g and I.18j	P/A	Calculations
	BAAQMD Condition 1240, part I.14	Y		Emissions of NMHC < 49.1 tons per year excluding marine emissions	BAAQMD Condition 1240, part I.19	C	Temperature monitoring
	BAAQMD Condition #1240, part II.60	Y		98.5% destruction of vapors by weight	BAAQMD Condition 1240, part I.19	C	Temperature monitoring
	BAAQMD Condition #1240, part II.63	Y		98.5% destruction of vapors by weight by	BAAQMD Condition 1240, part I.19	C	Temperature monitoring

VII. Applicable Limits and Compliance Monitoring Requirements

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
	BAAQMD Condition #1240, part II.68	Y		98.5% destruction of vapors by weight	BAAQMD Condition 1240, part I.19	C	Temperature monitoring
Opacity	BAAQMD 6-301	Y		Ringelmann No. 1 for no more than 3 minutes in any hour	None	N	N/A
FP	BAAQMD 6-310	Y		0.15 grain/dscf	BAAQMD Condition 1240, part I.19	C	Temperature monitoring
Through-put	BAAQMD Condition 1240, part I.5	Y		Maximum heat input to all refinery combustion units < 88.6 MMbtu/hr	BAAQMD Condition 1240, part I.5	C	fuel meters

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
NOX	BAAQMD Condition 1240, part I.14	Y		Emissions of NOX < 40 tons per year excluding marine emissions	BAAQMD Condition 1240, parts 18a, I.18i and I.18j	P/A	Calculations

VII. Applicable Limits and Compliance Monitoring Requirements

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
SO2	BAAQMD Condition 1240, part I.14	Y		Emissions of SO2 < 28 tons per year excluding marine emissions	None	N	N/A
Opacity	BAAQMD 6-301	Y		Ringelmann No. 1 for no more than 3 minutes in any hour	BAAQMD Condition #1240, II.58b	C	Temperature monitoring
Opacity	40 CFR 60.472(c)	Y		0 percent opacity except for one consecutive 15-min period in any 24-hr period for cleaning	40 CFR 60.473(c) and BAAQMD Condition #1240, II.58b	C	Temperature monitoring
FP	BAAQMD 6-310	Y		0.15 gr/dscf	BAAQMD Condition #1240, II.58b	C	Temperature monitoring
VOC	BAAQMD 8-5-306	N		95% control of organic vapors (by A31 or S24)	BAAQMD Condition 1240, part II.58b	C	Temperature monitoring
VOC	SIP 8-5-311.3	Y		95% control of organic vapors	BAAQMD Condition 1240, part II.58b	C	Temperature monitoring
VOC	BAAQMD 8-6-301	Y		21 g/cubic meter (0.17 lb/1000 gallons)	BAAQMD Condition 1240, part II.58b	C	Temperature monitoring
	40 CFR 60.112b(a)(3)(ii)	Y		95% control of inlet VOC	BAAQMD Condition 1240, part II.58b	C	Temperature monitoring
	40 CFR 61.349(a)(2)(i)(A)	Y		95% control	40 CFR 61.354(c)(1)	C	Temperature monitoring

VII. Applicable Limits and Compliance Monitoring Requirements

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
	BAAQMD Condition 1240, part I.14	Y		Emissions of NMHC < 49.1 tons per year excluding marine emissions	BAAQMD Condition 1240, parts 18a, I.18g and I.18j	P/A	Calculations
	BAAQMD Condition 1240, part I.14	Y		Emissions of NMHC < 49.1 tons per year excluding marine emissions	BAAQMD Condition 1240, part II.58b	C	Temper-ature monitoring
	BAAQMD Condition 1240, part II.32a, b, c	Y		98.5% control efficiency	BAAQMD Condition 1240, part II.58b	C	Temper-ature monitoring
	BAAQMD Condition 1240, part II.43	Y		98.5% control efficiency	BAAQMD Condition 1240, part II.58b	C	Temperature monitoring
	BAAQMD Condition #1240, II.55	Y		98.5% destruction of vapors	BAAQMD Condition 1240, part II.58b	C	Temperature monitoring
	BAAQMD Condition #1240, II.56	Y		98.5% destruction of vapors	BAAQMD Condition 1240, part II.58b	C	Temperature monitoring
	BAAQMD Condition #1240, II.57	Y		98.5% destruction of vapors	BAAQMD Condition 1240, part II.58b	C	Temperature monitoring
	BAAQMD Condition #1240, part II.69	Y		98.5% destruction of vapors by weight	BAAQMD Condition 1240, part II.58b	C	Temperature monitoring

VII. Applicable Limits and Compliance Monitoring Requirements

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
	BAAQMD Condition #1240, part II.70	Y		98.5% destruction of vapors by weight	BAAQMD Condition 1240, part II.58b	C	Temperature monitoring
	BAAQMD Condition 1240, part II.85	Y		98.5% destruction of vapors	BAAQMD Condition 1240, part II.58b	C	Temperature monitoring
Through-put	BAAQMD Condition 1240, part I.5	Y		Maximum heat input to all refinery combustion units < 88.6 MMbtu/hr	BAAQMD Condition 1240, part I.5	P/D	fuel meters

VIII. TEST METHODS

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

Table VIII
Test Methods

Applicable Requirement	Description of Requirement	Acceptable Test Methods
BAAQMD 6-301	Ringelmann No. 1 Limitation	Manual of Procedures, Volume I, Evaluation of Visible Emissions
BAAQMD 6-310	Particulate Weight Limitation	Manual of Procedures, Volume IV, ST-15, Particulates Sampling or EPA Reference Method 5 (40 CFR 60, Appendix A), Determination of Particulate Emissions from Stationary Sources
BAAQMD 8-5-301	True Vapor Pressure	Manual of Procedures, Volume III, Lab Method 28, Determination of Vapor Pressure of Organic Liquids from Storage Tanks, if organic compound is not listed in Table I
BAAQMD 8-5-306	VOC emissions	Manual of Procedures, Volume IV, ST-34, Bulk Gasoline Distribution Facilities Edwards Refrigeration Unit or Carbon Adsorption Unit
BAAQMD 8-5-320.3	Pressure vacuum leak concentration	EPA Reference Method 21 (40 CFR 60, Appendix A), Determination of Volatile Organic Compound Leaks
BAAQMD 8-5-328.1.2	VOC emissions for tank cleaning	Manual of Procedures, Volume IV, ST-7, Non-Methane Organic Carbon Sampling
BAAQMD 8-5-603.2	VOC emissions for tank cleaning	Manual of Procedures, Volume IV, ST-7, Non-Methane Organic Carbon Sampling
SIP 8-5-304	True Vapor Pressure	Manual of Procedures, Volume III, Lab Method 28, Determination of Vapor Pressure of Organic Liquids from Storage Tanks, if organic compound is not listed in Table I
SIP 8-5-311.3	VOC emissions	Manual of Procedures, Volume IV, ST-34, Bulk Gasoline Distribution Facilities Edwards Refrigeration Unit or Carbon Adsorption Unit
SIP 8-5-328.2	VOC emissions for tank cleaning	Manual of Procedures, Volume IV, ST-7, Non-Methane Organic Carbon Sampling
SIP 8-5-603.2	VOC emissions for tank cleaning	Manual of Procedures, Volume IV, ST-7, Non-Methane Organic Carbon Sampling

VIII. Test Methods

Table VIII
Test Methods

Applicable Requirement	Description of Requirement	Acceptable Test Methods
BAAQMD 8-6-301	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 8-15-305	Prohibition of Manufacture and Sale	ASTM Distillation Method D402, or ASTM Distillation Method D244
BAAQMD 8-18-301, 8-18-302, 8-18-303, 8-18-304, 8-18-305	Leak inspection procedures	EPA reference method 21 (40 CFR 60, Appendix A), Determination of Volatile Organic Compound Leaks
BAAQMD 8-18-306	Determination of mass emissions	EPA Protocol for equipment leak emission estimates, Chapter 4, Mass Emission Sampling, (EPAA-453/R-95-017) November 1995
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 9-10-305	CO emission limit	Manual of Procedures, Volume IV, ST-6, Carbon Monoxide, Continuous Sampling and ST-14, Oxygen, Continuous Sampling
40 CFR 60.104(a)(1)	Fuel gas H2S concentration limit	EPA Method 11, Determination of Hydrogen Sulfide Content of Fuel Gas Streams in Petroleum Refineries
40 CFR 60.112b	Vapor Pressure	ASTM Method D2879-83
NSPS Part 60 Subpart VV	**Standards of Performance for Equipment Leaks (Fugitive Emission Sources) (10/18/83)**	
Subpart VV 40 CFR 60.482-2(b)(1), 60.482-7(b), 60.482-8(b), 60.482-10 (g)	Leak inspection procedures	60 Subpart VV, 60.485(b): EPA reference method 21 (40 CFR 60, Appendix A), Determination of Volatile Organic Compound Leaks

VIII. Test Methods

Table VIII
Test Methods

Applicable Requirement	Description of Requirement	Acceptable Test Methods
Subpart VV 40 CFR 60.482-2(b)(2), 60.482-8(a)	Visual inspection	60 Subpart VV, 60.485(b)
Subpart VV 40 CFR 60.482-2(e), 60.482-4(a), 60.482-4(b), 60.482-7(f)	Leak inspection procedures	60 Subpart VV, 60.485(c): EPA reference method 21 (40 CFR 60, Appendix A), Determination of Volatile Organic Compound Leaks
Subpart VV 40 CFR 60.483 and BAAQMD 8-18-404.1	Leak inspection procedures	60 Subpart VV, 60.485(b): EPA reference method 21 (40 CFR 60, Appendix A), Determination of Volatile Organic Compound Leaks
BAAQMD Condition 1240, part II.31a	1.5 psia requirement	Manual of Procedures, Volume III, Lab Method 28, Determination of Vapor Pressure of Organic Liquids from Storage Tanks

IX. PERMIT SHIELD

A. Non-applicable Requirements

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

Table IX A – 1
Permit Shield for Non-applicable Requirements
S30, MARINE LOADING DOCK

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

IX. Permit Shield

B. Subsumed Requirements

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

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

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

IX. Permit Shield

Table IX B – 2
Permit Shield for Subsumed Requirements
COMPONENTS

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

X. GLOSSARY

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

ACT
Federal Clean Air Act

BAAQMD
Bay Area Air Quality Management District

BACT
Best Available Control Technology

CAA
The federal Clean Air Act

CAAQS
California Ambient Air Quality Standards

CEM
Continuous Emission Monitor

CEQA
California Environmental Quality Act

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

CO
Carbon Monoxide

CO2
Carbon Dioxide

Cumulative Increase
The sum of permitted emissions from each new or modified source since a specified date pursuant to BAAQMD Rule 2-1-403, Permit Conditions (as amended by the District Board on 7/17/91) and SIP Rule 2-1-403, Permit Conditions (as approved by EPA on 6/23/95). Used to determine whether threshold-based requirements are triggered.

dscm
dry standard cubic meter

X. Glossary

District
The Bay Area Air Quality Management District

EMP
Environmental Management Plan

EPA
The federal Environmental Protection Agency.

Excluded
Not subject to any District regulations.

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

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

GLM
Ground Level Monitor

H2S
Hydrogen Sulfide

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

HC
Hydrocarbon

IERC
Interchangeable Emission Reduction Credit

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.

MDWEIGHT

X. Glossary

Thousand Dead Weight Tons

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

MM
Million

MOP
The District's Manual of Procedures.

NA
Not applicable

NAAQS
National Ambient Air Quality Standards

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

NH3
Ammonia

NMHC
Non-methane Hydrocarbons

NOx
Oxides of nitrogen.

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

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

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

X. Glossary

OHAP
Organic Hazardous Air Pollutant

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

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

POC
Precursor Organic Compounds

PM
Particulate Matter

PMP
Prevention Measures Procedures

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

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

RACT
Reasonably Available Control Technology

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

SO2
Sulfur dioxide

X. Glossary

SO_3
Sulfur trioxide

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

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

TRMP
Toxic Risk Management Plan

TSP
Total Suspended Particulate

TVP
True Vapor Pressure, psia

VOC
Volatile Organic Compounds

VOL
Volatile Organic Liquid

Units of Measure:

bbl	=	barrel
bhp	=	brake-horsepower
btu	=	British Thermal Unit
cm	=	centimeter
g	=	grams
gal	=	gallon
gpm	=	gallons per minute
hp	=	horsepower
hr	=	hour
lb	=	pound
in	=	inches
max	=	maximum
m	=	meter
m^2	=	square meter
min	=	minute
mm	=	millimeter

X. Glossary

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

XI. APPLICABLE STATE IMPLEMENTATION PLAN

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

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