Bay Area Air Quality Management District

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

Final

MAJOR FACILITY REVIEW PERMIT

Issued To:

Valero Benicia Asphalt Plant
Facility #A0901

Facility Address:
3001 Park Road
Benicia, CA 94510

Mailing Address:
3400 East Second Street
Benicia, CA 94510

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

Type of Facility:	Asphalt Refinery	BAAQMD Engineering Division Contact:
Primary SIC:	2911	Thu Bui
Product:	Asphalt	

ISSUED BY THE BAY AREA AIR QUALITY MANAGEMENT DISTRICT

Signed by Jeff McKay for Jack P. Broadbent _____ December 20, 2010 _
Jack P. Broadbent, Executive Officer/Air Pollution Control Officer Date

TABLE OF CONTENTS

I. STANDARD CONDITIONS

A. Administrative Requirements

The permit holder shall comply with all applicable requirements in the following regulations:
BAAQMD Regulation 1 - General Provisions and Definitions
(as amended by the District Board on 7/19/06);
SIP Regulation 1 - General Provisions and Definitions
(as approved by EPA through 6/28/99);
BAAQMD Regulation 2, Rule 1 - Permits, General Requirements
(as amended by the District Board on 7/19/06);
SIP Regulation 2, Rule 1 - Permits, General Requirements
(as approved by EPA through 1/26/99);
BAAQMD Regulation 2, Rule 2 - Permits, New Source Review
(as amended by the District Board on 6/15/05);
SIP Regulation 2, Rule 2 - Permits, New Source Review and Prevention of Significant Deterioration
(as approved by EPA through 1/26/99);
BAAQMD Regulation 2, Rule 4 - Permits, Emissions Banking
(as amended by the District Board on 12/21/04);
SIP Regulation 2, Rule 4 - Permits, Emissions Banking
(as approved by EPA through 1/26/99);
BAAQMD Regulation 2, Rule 5 – New Source Review of Toxic Air Contaminants
(as adopted by the District Board on 6/15/05);
BAAQMD Regulation 2, Rule 6 - Permits, Major Facility Review
(as amended by the District Board on 4/16/03); and
SIP BAAQMD Regulation 2, Rule 6 - Permits, Major Facility Review
(as approved by EPA on 6/23/95)

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

1. This Major Facility Review Permit was issued on December 20, 2010, and expires on December 19, 2015. The permit holder shall submit a complete application for renewal of this Major Facility Review Permit no later than June 19, 2015 and no earlier than December 19, 2014. **If a complete application for renewal has not been submitted in accordance with this deadline, the facility may not operate after** December 19, 2010**.** If the permit renewal has not been issued December 19, 2010, but a complete application for renewal has been submitted in accordance with the above deadlines, the existing permit will continue in force until the District takes final action on the renewal application. (Regulation 2-6-307, 404.2, 407, & 409.6; MOP Volume II, Part 3, §4..2)

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

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

4. This permit may be modified, revoked, reopened and reissued, or terminated for cause. (Regulation 2-6-307, 409.8, 415; MOP Volume II, Part 3, §4.11)

I. Standard Conditions

5. The filing of a request by the facility for a permit modification, revocation and re-issuance, or termination, or the filing of a notification of planned changes or anticipated non-compliance does not stay the applicability of any permit condition. (Regulation 2-6-409.7; MOP Volume II, Part 3, §4.11)
6. This permit does not convey any property rights of any sort, or any exclusive privilege. (Regulation 2-6-409.7; MOP Volume II, Part 3, §4.11)
7. The permit holder shall supply within 30 days any information that the District requests in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. (Regulation 1-441, Regulation 2-6-409.4 & 501; MOP Volume II, Part 3, §4.11)
8. Any records required to be maintained pursuant to this permit that the permittee considers to contain proprietary or trade secret information shall be prominently designated as such. Copies of any such proprietary or trade secret information which are provided to the District shall be maintained by the District in a locked confidential file, provided, however, that requests from the public for the review of any such information shall be handled in accordance with the District's procedures set forth in Section 11 of the District's Administrative Code. (Regulation 2-6-419; MOP Volume II, Part 3, §4.11)
9. Proprietary or trade secret information provided to EPA will be subject to the requirements of 40 CFR Part 2, Subpart B - Public Information, Confidentiality of Business Information. (40 CFR Part 2)
10. The emissions inventory submitted with the application for this Major Facility Review Permit is an estimate of actual emissions or the potential to emit for the time period stated and is included only as one means of determining applicable requirements for emission sources. It does not establish, or constitute a basis for establishing, any new emission limitations. (MOP Volume II, Part 3, §4.11)
11. The responsible official shall certify all documents submitted by the facility pursuant to the major facility review permit. The certification shall state that based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete. The certifications shall be signed by a responsible official for the facility. (Regulation 2-6-409.20, MOP Volume II, Part 3, §4.11)
12. The permit holder is responsible for compliance, and certification of compliance, with all conditions of the permit, regardless whether it acts through employees, agents, contractors, or subcontractors. (Regulation 2-6-307)

C. Requirement to Pay Fees

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

D. Inspection and Entry

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

I. Standard Conditions

E. Records

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

2. Notwithstanding the specific wording in any requirement, all records for federally enforceable requirements shall be maintained for at least five years from the date of creation of the record. (Regulation 2-6-501, 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[June 30th or December 31st]. The report shall be submitted by [July 31st or January 31st]. Subsequent reports shall be for the following periods: January 1st through June 30th and July 1st through December 31st, and are due on the last day of the month after the end of the reporting period. All instances of non-compliance shall be clearly identified in these reports. The reports shall be certified by the responsible official as true, accurate, and complete. In addition, all instances of non-compliance with the permit shall be reported in writing to the District's Compliance and Enforcement Division within 10 calendar days of the discovery of the incident. Within 30 calendar days of the discovery of any 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, MOP Volume II, Part 3, §4.7)

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

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

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

I. Standard Conditions

G. 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)

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)

H. Severability

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

J. Miscellaneous Conditions

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

*3. The owner/operator shall notify the District in writing by fax or email no less than three calendar days in advance of any scheduled startup or shutdown of any process unit. The owner/operator shall notify the District in writing by fax or email as soon as feasible for any unscheduled startup or shutdown of any process unit, but no later than 48 hours after the event or within the next normal business day. The notification shall be sent in writing by fax or email to the Director of Enforcement and Compliance. This requirement is not federally enforceable. (Regulation 2-1-403)

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

5. Reserved.

6. Reserved.

II. EQUIPMENT

Table II-A - Permitted Sources

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

S#	Description	Make or Type	Model	Capacity
1	Crude Storage Tank, TK4601A (S1, S2, S4, S23 Crude Storage Tanks owned by Facility B5574			
2	Crude Storage Tank, TK4601B (S1, S2, S4, S23 Crude Storage Tanks owned by Facility B5574			
3	Gas Oil Storage Tank, TK-4601C	Fixed Roof		3,419,000 gal
4	Crude Oil Storage Tank, TK-4610A (S1, S2, S4, S23 Crude Storage Tanks owned by Facility B5574			
5	Asphalt Storage Tank, TK-4602A	Fixed Roof		3,415,000 gal
6	Asphalt Storage Tank, TK-4602B	Fixed Roof		3,415,000 gal
7	Asphalt Storage Tank, TK-4603	Fixed Roof		1,050,000 gal
8	Asphalt Storage Tank, TK-4604	Fixed Roof		1,050,000 gal
9	Naphtha Storage Tank, TK-4607	Internal Floating Roof		571,200 gal
13	Kerosene Tank, TK-4608	Fixed Roof		88,000 gal
16	Truck Loading Racks - Heavy Vacuum Gas Oil			1 pump, 2 nozzles
17	Truck Loading Racks - Asphalt			3 pumps, 4 nozzles
18	Crude Unit including atmospheric tower, vacuum tower, and KD stripper tower			18,000 barrels/day
19	Vacuum Heater F-4601 (natural gas)			40 MMbtu/hr (new source review, Condition # 1240 Part I.5a)
20	Steam Boiler H-4602A (natural gas)			14.7 MMbtu/hr
21	Steam Boiler H-4602B (natural gas)			14.7 MMbtu/hr
23	Crude Storage Tank, TK-4610B (S1, S2, S4, S23 Crude Storage Tanks owned by (Facility B5574)			
24	Hot Oil Heater, H-4603 (natural gas)			9 MMbtu/hr
27	Recovered Oil Tank, TK-4612A	Fixed Roof		1260 gal
31	Rail Car Asphalt and Gas Oil Loading Rack, five Spots			1 nozzle
34	Tank Heater, H-4605 (natural gas)			5.9 MMbtu/hr
37	Rubberized Asphalt Sales Tank, TK-4654	Fixed Roof		100,000 gal
38	Rubberized Asphalt Sales Tank, TK-4655	Fixed Roof		100,000 gal
41	WEMCO Hydrocleaner – Induced Air Flotation Separator			5,000 bbl/day, 145 gpm
51	Sales Tank – Asphalt Liquid, TK-46506	Fixed Roof		152,880 gal
52	Sales Tank – Asphalt Liquid, TK-46507	Fixed Roof		152,880 gal

II. Equipment

Table II-A - Permitted Sources

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

S#	Description	Make or Type	Model	Capacity
53	Sales Tank – Asphalt Liquid, TK-46508	Fixed Roof		152,880 gal
54	Asphalt Loading Rack			3 pumps, 4 nozzles
59	Gas Oil Fixed Roof Storage Tank, TK-4605, OOS	Fixed Roof		1,050,000 gal
60	Asphalt Tank TK-46505	Fixed Roof		15,000 gal
61	Asphalt Tank, TK-4630A	Fixed Roof		995,400 gal
62	Asphalt Tank, TK-4630B	Fixed Roof		995,400 gal
63	KERO/LVGO/HVGO/Asphalt Tank, TK-4631	Fixed Roof		1,218,000 gal
65	Asphalt Tank, TK-4632	Fixed Roof		6,920,000 gal
66	Oil Water Separator			210 gal/min
67	Recovered Oil Tank, TK-4612B	Fixed Roof		5875 gal
68	Emergency Diesel-powered Firewater Pump (P-4645)			215 hp, 34 hours/yr (New Source Review, Condition # 22851, Part1)
69	Asphalt Additive Loading Bin	Open Top		96 cubic feet, 20,000 ton/yr Additives (New Source Review, Condition # 20278, Part 2)
70	Asphalt Additive Mixing Tank, TK-46500	Fixed Roof		2,200 gal, 400,000 tons/yr (New Source Review, Condition # 20278, Part 1)
71	Emergency Diesel Air Compressor	Caterpillar	3054C	108 BHP, 50 hrs/yr (New Source Review, Condition # 22928, part 1)

II. Equipment

Table II-B – Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
A1	Koch Mist Eliminator (F-8)	S5-S8, S41, S59, S66	None	None	None
A2	Mist Eliminator (F-9)	S17	None	None	None
A3	Mist Eliminator (F-10)	S3, S5-S8, S13, S37, S38, S41, S51-S54, S59, S60-S63, S65, S66, S70	None	None	None
A6	Mist Eliminator	S31	None	None	None
A17	Asphalt Loading Rack Incinerator (2.9 MMBtu/hr)	S17	Regulation 6-1-301 SIP 6-301	Temperature	Ringelmann 1 for < 3 minutes/hr
A17	Asphalt Loading Rack Incinerator (2.9 MMBtu/hr)	S17	Regulation 6-1-310 SIP 6-310	Temperature	0.15 gr/dscf
A17	Asphalt Loading Rack Incinerator (2.9 MMBtu/hr)	S17, A2	BAAQMD Condition 1240, Part I.14	Temperature	Emissions of NMHC < 42.705 tons per year
A17	Asphalt Loading Rack Incinerator (2.9 MMBtu/hr)	S17	BAAQMD Condition 1240, Part II.68	Temperature	98.5% destruction
A20	Mist Eliminator F500	S3, S13, S37, S38, S51-S53, S54, S60-S63, S65, S70	None	None	None
A31	Thermal Oxidizer (3.5 MMbtu/hr)	S5-S8, S31, S37, S38, S51-S54, S60-S62, S65, S70	BAAQMD 6-1-301 SIP 6-301	Temperature	Ringelmann 1 for < 3 minutes/hr
A31	Thermal Oxidizer (3.5 MMbtu/hr)	S5-S8, S31, S37, S38, S51-S54, S60-S62, S65, S70	BAAQMD 6-1-310 SIP 6-310	temperature	0.15 gr/dscf
A31	Thermal Oxidizer (3.5 MMbtu/hr)	S13, S59, S63	BAAQMD, 8-5-306 SIP 8-5-306	Temperature	95% control of VOC
A31	Thermal Oxidizer (3.5 MMbtu/hr)	S31	BAAQMD 8-6-301	Temperature	0.17 pounds organic compounds per 1,000 gallons
A31	Thermal Oxidizer (3.5 MMbtu/hr)	S66	BAAQMD 8-8-301.3 SIP 8-8-301.3	Temperature	95% combined collection and destruction efficiency

II. Equipment

Table II-B – Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
A31	Thermal Oxidizer (3.5 MMbtu/hr)	S27, S67	BAAQMD 8-8-305.2 SIP 8-8-305.2	Temperature	70% combined collection and destruction efficiency
A31	Thermal Oxidizer (3.5 MMbtu/hr)	S13, S59, S63	40 CFR, Part 60.112b(a) (3)(ii)	Temperature	95% control of inlet VOC
A31	Thermal Oxidizer (3.5 MMbtu/hr)	S5-S8, S37, S38, S51-S53, S60, S61, S62, S65, S70	40 CFR, Part 60.472(c)	Temperature	0 percent opacity except for one consecutive 15-min period in any 24-hr period for cleaning
A31	Thermal Oxidizer (3.5 MMbtu/hr)	S3, S5-S8, S13, S27, S31, S37, S38, S41, S51-S54, S59, S60-S63, S65, S66, S67, S70, A1, A3, A6, A20	BAAQMD Condition 1240, Part I.14	temperature	Emissions of NMHC < 42.705 tons per year
A31	Thermal Oxidizer (3.5 MMbtu/hr)	S3, S5, S6, S7, S8, S13, S31, S37, S38, S41, S51, S52, S53, S54, S59, S60, S61, S62, S63, S65, S66, S70	BAAQMD Condition 1240, Part II.32a	Temperature	98.5% control of inlet VOC by weight
S24	Hot Oil Heater	S5-S8, S31, S37, S38, S51-S54, S60-S62, S65, S70	BAAQMD 6-1-301 SIP 6-301	Temperature	Ringelmann 1 for < 3 minutes/hr
S24	Hot Oil Heater	S5-S8, S31, S37, S38, S51-S54, S60-S62, S65, S70	BAAQMD 6-1-310 SIP 6-310	temperature	0.15 gr/dscf
S24	Hot Oil Heater	S13, S59, S63	BAAQMD 8-5-306 SIP 8-5-306	Temperature	95% control of VOC
S24	Hot Oil Heater	S31	BAAQMD 8-6-301	Temperature	0.17 pounds organic compounds per 1,000 gallons
S24	Hot Oil Heater	S66	BAAQMD 8-8-301.3 SIP 8-8-301.3	Temperature	95% combined collection and destruction efficiency

II. Equipment

Table II-B – Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
S24	Hot Oil Heater	S27, S67	BAAQMD 8-8-305.2 SIP 8-8-305.2	Temperature	70% combined collection and destruction efficiency
S24	Hot Oil Heater	S13, S59, S63	40 CFR, Part 60.112b(a) (3)(ii)	Temperature	95% control of inlet VOC
S24	Hot Oil Heater	S5-S8, S37, S38, S51-S53, S60, S61, S62, S65, S70	40 CFR, Part 60.472(c)	Temperature	0 percent opacity except for one consecutive 15-min period in any 24-hr period for cleaning
S24	Hot Oil Heater	S3, S5-S8, S13, S27, S31, S37, S38, S41, S51-S54, S59, S60-S62, S63, S65, S66, S67, S70, A1, A3, A6, A20	BAAQMD Condition 1240, Part I.14	temperature	Emissions of NMHC < 42.705 tons per year
S24	Hot Oil Heater	S3, S5, S6, S7, S8, S13, S31, S37, S38, S41, S51, S52, S53, S54, S59, S60, S61, S62, S63, S65, S66, S70	BAAQMD Condition 1240, Part II.32a	Temperature	98.5% control of inlet VOC by weight
A71	Catalyzed Diesel Particulate Filter	S71	BAAQMD Condition 22928, Part 2	None	None

II. Equipment

Table II C - Exempt Sources

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

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

III. GENERALLY APPLICABLE REQUIREMENTS

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

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

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

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

.

NOTE:

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

Generally Applicable Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)
BAAQMD Regulation 1	General Provisions and Definitions (7/19/06)	N
SIP Regulation 1	General Provisions and Definitions (6/28/99)	Y
BAAQMD Regulation 2, Rule 1	General Requirements (7/19/06)	N
SIP Regulation 2, Rule 1	General Requirements (1/26/99)	Y
BAAQMD · Regulation 2 · Rule 5	New Source Review of Toxic Air Contaminants (6/15/05)	N
BAAQMD · Regulation 2 · Rule 9	Permits, Interchangeable Emission Reduction Credits (6/15/05)	N
BAAQMD · Regulation 3	Fees (6/6/07)	N
SIP· Regulation 3	Fees (5/3/84)	Y

III. Generally Applicable Requirements

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 (8/6/90)	Y
BAAQMD Regulation 5	Open Burning (3/6/02)	N
SIP Regulation 5	Open Burning (9/4/98)	Y
BAAQMD Regulation 6, Rule 1	Particulate Matter and Visible Emissions (12/5/07)	N
SIP Regulation 6	Particulate Matter and Visible Emissions (9/4/98)	Y
BAAQMD Regulation 7	Odorous Substances (3/17/82)	N
BAAQMD Regulation 8, Rule 1	Organic Compounds - General Provisions (6/15/94)	Y
BAAQMD Regulation 8, Rule 2	Organic Compounds – Miscellaneous Operations 7/20/05)	N
SIP BAAQMD Regulation 8, Rule 2	Organic Compounds – Miscellaneous Operations (3/22/95)	Y
BAAQMD Regulation 8, Rule 3	Organic Compounds - Architectural Coatings (11/21/01)	Y
BAAQMD Regulation 8, Rule 4	Organic compounds - General Solvent and Surface Coating Operations (10/16/02)	Y
BAAQMD Regulation 8, Rule 15	Organic Compounds – Emulsified and Liquid Asphalts (6/1/94)	Y
BAAQMD Regulation 8, Rule 16	Organic Compounds – Solvent Cleaning Operations (10/16/02)	Y
BAAQMD Regulation 8, Rule 40	Organic Compounds - Aeration of Contaminated Soil and Removal of Underground Storage Tanks (6/15/05)	N
SIP Regulation 8, Rule 40	Organic Compounds - Aeration of Contaminated Soil and Removal of Underground Storage Tanks (4/19/01)	Y
BAAQMD Regulation 8, Rule 47	Organic Compounds - Air Stripping and Soil Vapor Extraction Operations (6/15/05)	N
SIP Regulation 8, Rule 47	Organic Compounds - Air Stripping and Soil Vapor Extraction Operations (4/26/95)	Y
BAAQMD Regulation 8, Rule 49	Organic Compounds - Aerosol Paint Products (12/20/95)	N
SIP Regulation 8, Rule 49	Organic Compounds - Aerosol Paint Products (3/22/95)	Y
BAAQMD Regulation 8, Rule 51	Organic Compounds - Adhesive and Sealant Products (7/17/02)	N
SIP Regulation 8, Rule 51	Organic Compounds - Adhesive and Sealant Products (2/26/02)	Y
BAAQMD Regulation 11, Rule 2	Hazardous Pollutants - Asbestos Demolition, Renovation and Manufacturing (10/7/98)	N
BAAQMD Regulation 12, Rule 4	Miscellaneous Standards of Performance - Sandblasting	N

III. Generally Applicable Requirements

Generally Applicable Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)
	(7/11/90)	
SIP Regulation 12, Rule 4	Miscellaneous Standards of Performance - Sandblasting (9/2/81)	Y
California Health and Safety Code Section 41750 et seq.	Portable Equipment	N
California Health and Safety Code Section 44300 et seq.	Air Toxics "Hot Spots" Information and Assessment Act of 1987	N
California Health and Safety Code Title 17, Section 93116	Airborne Toxic Control Measure for Diesel Particulate Matter from Portable Engines Rated at 50 Horsepower and Greater	N
40 CFR Part 61, Subpart M	National Emission Standards for Hazardous Air Pollutants – National Emission Standard for Asbestos (6/19/95)	Y
40 CFR, Part 82, Subpart F	Protection of Stratospheric Ozone; Recycling and Emissions Reduction (2/21/95)	
40 CFR, Part 82.156	Leak Repair	Y
40 CFR, Part 82.161	Certification of Technicians	Y
40 CFR, Part 82.166	Records of Refrigerant	Y
40 CFR, Part 82, Subpart H	Protection of Stratospheric Ozone; Halon Emissions Reduction (3/5/98)	
40 CFR, Part 82.270(b)	Prohibitions, Halon	Y

IV. SOURCE-SPECIFIC APPLICABLE REQUIREMENTS

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

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

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

The full text of each permit condition cited is included in Section VI, Permit Conditions, of this permit. The full language of SIP requirements is on EPA Region 9's website. The address is:

http://yosemite.epa.gov/r9/r9sips.nsf/Agency?ReadForm&count=500&state=California&cat=Bay+Area+Air+Quality+Management+District-Agency-Wide+ All other text may be found in the regulations themselves.

Table IV - A
General Asphalt Plant Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Futur Effective Date
BAAQMD · Regulation 1	**General Provisions and Definitions (7/19/06)**		
1-301	Public Nuisance Prohibition	N	
1-510	Area Monitoring	Y	
1-530	Area Monitoring Downtime	Y	
1-540	Area Monitoring Data Examination	Y	
1-542	Area Concentration Excesses	Y	
1-543	Record Maintenance for Two Years	Y	
1-544	Monthly Summary	Y	
BAAQMD Regulation 2, Rule 1	**General Requirements (7/19/06)**		
2-1-429	Federal Emissions Statement	N	
BAAQMD Regulation 8, Rule 5	**Organic Compounds, Storage of Organic Liquids (10/18/2006)**		
8-5-117	Limited Exemption, Low Vapor Pressure	N	

IV. Source Specific Applicable Requirements

Table IV - A
General Asphalt Plant Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Futur Effective Date
8-5-118	Limited Exemption, Gas Tight Requirement for approved emission control system in 8-5-306.2 does not apply if facility is subject to BAAQMD 8-18	N	
8-5-328	Tank Degassing Requirements	N	
8-5-328.1	Tank Degassing Requirements; Tanks > 75 cubic meters; Use 90% abatement device	N	
8-5-328.2	Tank Degassing Requirements; Ozone Excess Day Prohibition	Y	
8-5-331	Tank Cleaning Requirements, 90% Abatement Efficiency if abatement device used	N	
8-5-332	Sludge Handling Requirements (applies to sludge removed from any tank that was subject to BAAQMD 8-5 at any time since it was last put in service)	N	
8-5-332.1	Sludge Handling Requirements; sludge container no leaks	N	
8-5-332.2	Sludge Handling Requirements; sludge container gap requirements	N	
8-5-404	Inspection, Abatement Efficiency Determination, and Source Test Reports	N	
8-5-411	Enhanced Monitoring Program (Optional)	N	
8-5-411.1	Enhanced Monitoring Program (Optional); Notify BAAQMD of tanks selected for enhanced monitoring program	N	
8-5-411.2	Enhanced Monitoring Program (Optional); Criteria for operating enhanced monitoring program	N	
8-5-501	Records	N	
8-5-501.3	Records; Retention	N	
8-5-501.4	Records; New pressure vacuum valve setpoints	N	
8-5-502	Source Test Requirements and exemption for sources vented to fuel gas	N	
8-5-502.2	Source Test Requirements; Tank degassing and cleaning abatement devices	N	
8-5-602	Analysis of Samples, True Vapor Pressure	Y	
8-5-603	Determination of Abatement Efficiency	N	
8-5-604	Determination of Applicability Based on True Vapor Pressure	Y	
SIP Regulation 8, Rule 5	**Storage of Organic Liquids (6/5/2003)**		
8-5-117	Exemption, Low Vapor Pressure	Y	
8-5-328	Tank degassing requirements	Y	

IV. Source Specific Applicable Requirements

Table IV - A
General Asphalt Plant Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Futur Effective Date
8-5-328.1	Tank degassing requirements; Tanks >75 cubic meters	Y	
8-5-328.1.2	Tank degassing requirements; Tanks >75 cubic meters. Approved Emission Control system	Y	
8-5-404	Certification	Y	
8-5-502	Tank degassing annual source test requirement	Y	
8-5-603	Determination of Emissions	Y	
8-5-603.2	Source tests for tank degassing equipment	Y	
BAAQMD Regulation 8, Rule 8	**Wastewater Collection and Separation Systems (9/15/2004)**		
8-8-112	Exemption, Wastewater Critical Organic Compound Concentration or Temperature	N	
8-8-113	Exemption, Secondary Wastewater Treatment Processes and Stormwater Sewer Systems	N	
8-8-116	Limited Exemption, Oil-Water Separation Trenches	N	
8-8-304	Sludge Dewatering Unit	N	
8-8-308	Junction Box	Y	
8-8-312	Controlled Wastewater Collection System Components at Petroleum Refineries : Maintain controlled sources vapor tight except during inspection, maintenance, repair, or sampling	N	
8-8-313	Uncontrolled Wastewater Collection System Components at Petroleum Refineries : Comply with 8-8-313.1 or 8-8-313.2 for uncontrolled sources	N	
8-8-313.2	Uncontrolled Wastewater Collection System Components at Petroleum Refineries : Inspection and Maintenance Plan Option	N	
8-8-314	New Wastewater Collection System Components at Petroleum Refineries ; equip new components with water seal or equivalent control	N	
8-8-402	Wastewater Inspection and Maintenance Plans at Petroleum Refineries	N	
8-8-402.1	Wastewater Inspection and Maintenance Plans at Petroleum Refineries : ID all components and submit to BAAQMD	N	
8-8-402.2	Wastewater Inspection and Maintenance Plans at Petroleum Refineries ; complete initial inspection of components	N	
8-8-402.3	Wastewater Inspection and Maintenance Plans at Petroleum Refineries ; implement 8-8-313.2 Inspection and Maintenance Plan	N	

IV. Source Specific Applicable Requirements

Table IV - A
General Asphalt Plant Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Futur Effective Date
8-8-402.4	Wastewater Inspection and Maintenance Plans at Petroleum Refineries ; semi-annual inspections of controlled equipment	N	
8-8-402.5	Wastewater Inspection and Maintenance Plans at Petroleum Refineries ; keep records per 8-8-505	N	
8-8-502	Wastewater Critical Organic Compound Concentration or Temperature Records	N	
8-8-504	Portable Hydrocarbon Detector	Y	
8-8-505	Records for Wastewater Collection System Components at Petroleum Refineries	N	
8-8-601	Wastewater Analysis for Critical OCs	Y	
8-8-603	Inspection Procedures	N	
SIP Regulation 8, Rule 8	**Wastewater (Oil-Water) Separators (8/29/1994)**		
8-8-112	Exemption, Wastewater Critical OC Concentration or Temperature	Y	
8-8-113	Exemption, Secondary Wastewater Treatment Processes and Stormwater Sewer Systems	Y	
8-8-304	Sludge Dewatering Unit	Y	
8-8-502	Wastewater Critical OC Concentration and/or Temperature Records	Y	
BAAQMD Regulation 8, Rule 10	**Organic Compound – Process Vessel Depressurization (1/21/04)**		
8-10-301	Process Vessel Depressurizing. POC emissions shall be vented through a knock-out pot and then abated in one of the following ways, to as low a vessel pressure as possible, but at least until pressure is reduced to less than 1000 mm Hg:	N	
8-10-302	Opening of Process Vessels	N	
8-10-401	Reporting	N	
8-10-501	Monitoring	N	
8-10-502	Concentration Measurement	N	
8-10-503	Records	N	
8-10-601	Monitoring Procedures	N	
SIP Regulation 8,	**Organic Compound – Process Vessel Depressurization (7/20/83)**		

IV. Source Specific Applicable Requirements

Table IV - A
General Asphalt Plant Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Futur Effective Date
Rule 10			
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 Regulation 8, Rule 28	**Episodic Releases from Pressure Relief Devices at Petroleum Refineries and Chemical Plants (12/21/05)**		
8-28-302	Pressure Relief Devices at New or Modified Sources at Petroleum Refineries	N	
SIP Regulation 8, Rule 28	**Episodic Releases from Pressure Relief Devices at Petroleum Refineries and Chemical Plants (5/24/04)**		
8-28-302	Pressure Relief Devices at New or Modified Sources at Petroleum Refineries	Y	
BAAQMD · Regulation 9, Rule 1	**Inorganic Gaseous Pollutants, Sulfur Dioxide Emissions Limitations (3/15/95)**		
9-1-110	Conditional Exemption, Area Monitoring	Y	
9-1-301	Limitations on Ground Level Concentrations	Y	
9-1-313	Sulfur Removal Operations at Petroleum Refineries	N	
9-1-313.2	Sulfur Removal and Recovery System	N	
9-1-501	Area Monitoring Requirements	Y	

IV. Source Specific Applicable Requirements

Table IV - A
General Asphalt Plant Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Futur 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	
9-1-313.2	Sulfur Removal and Recovery System	Y	
BAAQMD · Regulation 9, Rule 2	**Inorganic Gaseous Pollutants, Hydrogen Sulfide (10/6/99)**		
9-2-110	Exemptions	N	
9-2-301	Limitations on Hydrogen Sulfide	N	
9-2-501	Area Monitoring Requirements	N	
9-2-601	Ground Level Monitoring	N	
BAAQMD Regulation 10	**New Source Performance Standards Incorporation by Reference (2/16/00)**		
10-1	40 CFR, Part 60 Subpart A	Y	
10-17	40 CFR, Part 60 Subpart Kb	Y	
BAAQMD · Regulation 11 · Rule 12	**NESHAPS Incorporation by Reference, 40 CFR, Part 61 Subpart FF Benzene Waste (01/05/1994)**	**Y**	
BAAQMD Manual of Procedures, Volume VI	**Air Monitoring Procedures (7/20/94)**	N	
SIP Manual of Procedures, Volume VI	**Air Monitoring Procedures (5/3/84)**	Y	
60 Subpart A	**New Source Performance Standards (NSPS) General Provisions (6/1/06)**		
60.1	Applicability	Y	
60.2	Definitions	Y	
60.3	Units and Abbreviations	Y	
60.4	Address	Y	
60.5	Determination of Construction or Modification	Y	
60.6	Review of Plans	Y	

IV. Source Specific Applicable Requirements

Table IV - A
General Asphalt Plant Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Futur Effective Date
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, Part 60 Subpart Kb	**New Source Performance Standard for Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction or Modification Commenced After July 23, 1984. (10/15/2003)**		
40 CFR, Part 60.110b(b)	Exemption, Low Vapor Pressure	Y	
60.113b(b)(1)	Testing and Procedures; External floating roof seal gap measurement frequency	Y	
60.113b(b)(1)(i)	Measurement of gaps between tank wall and primary seal	Y	
60.113b(b)(1)(ii)	Measurement of gaps between tank wall and secondary seal	Y	
60.113b(b)(1)(iii)	Testing and Procedures; External floating roof reintroduction of VOL	Y	
40 CFR, Part 61 Subpart A	**National Emission Standards for Hazardous Air Pollutants, General Provisions (4/9/04)**		
61.01	Lists of Pollutants and Applicability of Part 61	Y	
61.02	Definitions	Y	
61.03	Units and abbreviations	Y	
61.04	Address	Y	
61.05	Prohibited Activities	Y	
61.06	Determination of Construction or Modification	Y	
61.07	Application for Approval of Construction or Modification	Y	
61.08	Approval of construction or modification	Y	
61.09	Notification of startup	Y	
61.10	Source reporting and waiver request	Y	
61.12	Compliance with Standards and Maintenance Requirements	Y	
61.13	Emission Tests and Waiver of Emission Tests	Y	

IV. Source Specific Applicable Requirements

Table IV - A
General Asphalt Plant Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Futur Effective Date
61.14	Monitoring requirements	Y	
61.15	Modification	Y	
61.18	Incorporation by reference	Y	
61.19	Circumvention	Y	
40 CFR, Part 61 Subpart FF	**National Emission Standards for Hazardous Air Pollutants, Benzene Waste Operations (12/4/03)**		
61.340(a)	Applicability: Chemical Manufacturing, Coke by-product recovery, petroleum refineries	Y	
61.340(c)	Applicability: Exempt Waste	Y	
61.340(d)	Exemption for gaseous streams vented to fuel gas system	Y	
61.341	Definitions	Y	
61.342	Standards: General	Y	
61.342(a)	Requirements for calculating total annual benzene quantity from facility waste (TAB)	Y	
61.342(b)	Compliance for facilities with TAB >= 10 Mg/year	Y	
61.342(c)(1)	Requirements for treating non-aqueous wastes (less than 10% water) for compliance with 61.342(e) compliance option	Y	
61.342(c)(1)(iii)	Requirements for treating non-aqueous wastes (less than 10% water) for compliance with 61.342(e) compliance option Comply with 61.343 through 61.347 for waste management units used for wastes that will be recycled to the process or process feed tank.	Y	
61.342(e)	Standards: General; Compliance option – Treat to 6 or 6BQ Option	Y	
61.342(e)(1)	Requirements for treating non-aqueous wastes (less than 10% water) for compliance with 61.342(e) compliance option – comply with 61.342(c)(1) ;	Y	
61.342(e)(2)	Requirements for treating aqueous wastes (greater than 10% water) for compliance with 61.342(e) compliance option;	Y	
61.342(e)(2)(i)	Uncontrolled aqueous waste shall not contain more than 6.0 Mg/yr benzene (target benzene quantity (TBQ)).	Y	
61.342(e)(2)(ii)	Determine benzene quantity in each uncontrolled aqueous waste stream per 61.355(k).	Y	
61.342(g)	Compliance determined by review of facility records, results of tests and inspections	Y	
61.343	Standards: Tanks (applies if Baker tanks are used for non-aqueous wastes)	Y	
61.345(a)	Standards: Containers	Y	
61.345(a)(1)	Standards: Containers--Covers	Y	
61.345(a)(1)(ii)	Standards: Containers--Openings	Y	
61.345(a)(2)	Standards: Containers--Waste Transfer	Y	

IV. Source Specific Applicable Requirements

Table IV - A
General Asphalt Plant Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Futur Effective Date
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)(3)	No cracks on exposed sewer lines	Y	
61.346(b)(4)	Equipment Inspections	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	
61.349	Standards: Closed vent systems and control devices (applies if Baker tanks are used for non-aqueous wastes)	Y	
61.350	Delay of repair	Y	
61.350(a)	Delay of repair; allowed if infeasible without shutdown	Y	
61.350(b)	Delay of repair; complete repairs before end of next unit shutdown	Y	
61.355	Test Methods, Procedures, and Compliance Provisions	Y	
61.355(a)	Determination of total annual benzene quantity (TAB) from facility waste (use procedure to determine target benzene quantity (TBQ) for aqueous wastes per 61.355(k)(1))	Y	
61.355(a)(1)	Requirements for determining annual benzene quantity for aqueous wastes (greater than 10% water)	Y	
61.355(a)(2)	Calculation of total annual benzene quantity (TAB) from facility waste	Y	
61.355(a)(3)	TAB requirements if annual benzene quantity is greater than 11 ton/yr	Y	
61.355(a)(6)	Calculate TAB from streams generated less than once per year	Y	
61.355(b)	Determine annual waste quantity at point of generation unless otherwise specified	Y	
61.355(b)(1)	Determination of annual waste quantity for sour water streams at exit from sour water stripper	Y	
61.355(b)(5)	Method to determine annual waste quantity – Option 1 – Historical records	Y	
61.355(b)(6)	Method to determine annual waste quantity – Option 2 – Maximum design capacity	Y	
61.355(b)(7)	Method to determine annual waste quantity – Option 3 – Measurements representative of maximum waste generation rate	Y	
61.355(c)	Determination of flow-weighted annual average benzene concentration	Y	

IV. Source Specific Applicable Requirements

Table IV - A
General Asphalt Plant Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Futur Effective Date
61.355(c)(1)	Criteria for determination of flow-weighted annual average benzene concentration	Y	
61.355(c)(1)(i)	Criteria for determination of flow-weighted annual average benzene concentration: Determination made at point of waste generation	Y	
61.355(c)(1)(i)(A)	Criteria for determination of flow-weighted annual average benzene concentration: Determination for sour water streams	Y	
61.355(c)(1)(ii)	Criteria for determination of flow-weighted annual average benzene concentration: Volatilization of benzene by exposure to air shall not be used in determination	Y	
61.355(c)(1)(iii)	Criteria for determination of flow-weighted annual average benzene concentration: Mixing or diluting the waste stream shall not be used in determination	Y	
61.355(c)(1)(v)	Criteria for determination of flow-weighted annual average benzene concentration Determination for mixed-phase wastes	Y	
61.355(c)(2)	Method for determining flow-weighted annual average benzene concentration – OPTION 1; Knowledge of the waste	Y	
61.355(c)(3)	Method for determining flow-weighted annual average benzene concentration – OPTION 2; Measurements of benzene concentration	Y	
61.355(k)	Determination of target benzene quantity (TBQ) for purposes of calculation required by 61.342(e)(2)	Y	
61.355(k)(1)	TBQ in waste streams not controlled for air emissions – use 61.355(a) methods	Y	
61.355(k)(2)	TBQ in waste streams controlled for air emissions	Y	
61.355(k)(3)	TBQ in waste streams generated less than once per year	Y	
61.355(k)(4)	TBQ – exclusion for waste streams entering an enhanced biodegradation unit	Y	
61.355(k)(5)	Calculate benzene quantity in waste streams controlled for air emissions	Y	
61.355(k)(6)	Calculation of target benzene quantity (TBQ)	Y	
61.355(k)(7)	Multiple counting of benzene quantity of a waste stream	Y	
61.356	Recordkeeping Requirements	Y	
61.356(a)	Recordkeeping and retention requirements	Y	
61.356(b)	Recordkeeping Requirements: Waste stream records	Y	
61.356(b)(4)	Recordkeeping Requirements: Waste stream records for waste streams subject to 61.342(e) (Treat to 6 compliance option)	Y	
61.356(g)	Recordkeeping Requirements: Visual inspection per 61.343 through 61.347	Y	

IV. Source Specific Applicable Requirements

Table IV - A
General Asphalt Plant Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Futur Effective Date
61.356(h)	Recordkeeping Requirements: No detectable emissions tests per 61.343 through 61.347, and 61.349	Y	
61.356(k)	Recordkeeping Requirements: Equipment complying with 61.351 or 61.352	Y	
61.357	Reporting Requirements	Y	
61.357(a)(1)	Annual Report [61.357(d)(2)] contents: - Reporting of total annual benzene quantity from facility waste	Y	
61.357(a)(2)	Annual Report [61.357(d)(2)] contents: Table identifying each waste stream and whether controlled	Y	
61.357(a)(3)	Annual Report [61.357(d)(2)] contents: Information for uncontrolled streams	Y	
61.357(d)	Reporting Requirements: Facilities with TAB greater than or equal to 10 Mg/yr or more	Y	
61.357(d)(2)	Annual reports – contents per 61.357(a)(1), (2), and (3)	Y	
61.357(d)(5)	Reports of compliance with 61.342(e) [Treat to 6 compliance option]	Y	
61.357(d)(6)	Quarterly certifications of inspections	Y	
61.357(d)(7)	Quarterly reports	Y	
61.357(d)(8)	Annual reports of summary of all inspections	Y	
61.357(e)	Notification of alternative standard (61.351 or 61.352)	Y	
61.357(f)	Reporting requirements for equipment complying with 61.351 or 61.352	Y	
40 CFR, Part 63 Subpart A	**General Provisions of MACT Standards (4/20/06)**		
63.1	Applicability	Y	
63.2	Definitions	Y	
63.3	Units and abbreviations	Y	
63.4	Prohibited activities and circumvention	Y	
63.5	Preconstruction review and notification requirements	Y	
63.6	Compliance with standards and maintenance requirements	Y	
63.7	Performance test requirements	Y	
63.8	Monitoring requirements	Y	
63.9	Notification requirements	Y	
63.10	Recordkeeping and reporting requirements	Y	
63.11	Control Device Requirements	Y	

IV. Source Specific Applicable Requirements

Table IV - A
General Asphalt Plant Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Futur Effective Date
63.12	State Authority and Delegation	Y	
63.13	Addresses of State air pollution control agencies and EPA Regional Office	Y	
63.14	Incorporation by Reference	Y	
63.15	Availability of Information and Confidentiality	Y	
63.16	Performance Track Provisions	Y	
40 CFR, Part 63 Subpart CC	**National Emission Standards for Hazardous Air Pollutants for Petroleum Refineries (6/23/03)**		
63.640(a)	Applicability applies to petroleum refining process units and to related emission points.	Y	
63.640(c)	Applicability and Designation of Affected Source--Includes all emission points at Refinery	Y	
63.640(d)	Applicability and Designation of Affected Source--Exclusions	Y	
63.640(f)	Applicability and Designation of Affected Source-miscellaneous process vents	Y	
63.640(g)	Applicability and Designation of Affected Source--Exempt Processes	Y	
63.640(h)	Applicability and Designation of Affected Source--Compliance dates	Y	
63.640(i)	Applicability and Designation of Affected Source--New petroleum refining process unit requirements	Y	
63.640(j)	Applicability and Designation of Affected Source--Changes to existing petroleum refining process units	Y	
63.640(k)	Applicability and Designation of Affected Source--Additional requirements for new or changed sources	Y	
63.640(l)	Applicability and Designation of Affected Source--Additions of equipment (i.e. process vents, storage vessels, etc) in Group 1 sources not subject to 63.640(i) or (k).	Y	
63.640(m)	Applicability and Designation of Affected Source--Changes causing Group 2 emission points to become Group 1 points	Y	
63.640(q)	For overlap of subpart CC with local or State regulations, the permitting authority for the affected source may allow consolidation of the monitoring, recordkeeping, and reporting requirements under this subpart.	Y	
63.641	Definitions	Y	
63.642	General Standards	Y	
63.642(a)	Apply for a part 70 or part 71 operating permit	Y	
63.642(c)	Table 6 of this subpart specifies the Subpart A provisions that apply.	Y	
63.642(d)	Initial performance tests and compliance determinations shall be required only as specified in this subpart	Y	
63.642(e)	Keep copies of all applicable reports and records for at least 5 years, except as otherwise specified in this subpart.	Y	
63.642(f)	All reports required by this subpart shall be sent to the Administrator	Y	

IV. Source Specific Applicable Requirements

Table IV - A
General Asphalt Plant Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Futur Effective Date
63.642(i)	Existing source owners/operators shall demonstrate compliance with (g) by following procedures in (k) or by following emission averaging compliance approach in (l) for specified emission points and the procedures in (k) for other emission points.	Y	
63.642(k)	Existing source owners/operators may comply, and new sources owners/operators shall comply with the wastewater provisions in 63.647 and comply with 63.654 and is exempt from (g)	Y	
63.647(a)	Comply with 61.340-61.355 (Subpart FF). Owners/operators of Group 1 wastewater streams shall comply with sections 61.340 to 61.355 of part 61, subpart FF for each stream that meets the definition of 63.641.	Y	
63.647(b)	Wastewater Provisions	Y	
63.647(c)	Periodic measurement of benzene concentrations	Y	
63.654(a)	Compliance with in recordkeeping in 40 CFR, Part 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	General Provisions Applicability to Subpart CC	Y	
40 CFR Part 98	**Mandatory Greenhouse Gas Reporting**	**Y**	
Subpart A	**General Provisions**	Y	
Subpart C	**General Stationary Fuel Combustion Sources**	Y	
Subpart Y	**Petroleum Refineries**	Y	
Subpart MM	**Suppliers of Petroleum Products**	Y	
BAAQMD Condition 1240			
Part I.14	Facility Limits (Cumulative Increase)	Y	
Part I.15	Restriction on use of asphalt plant wastewater and refinery wastewater for dust control (cumulative increase)	Y	
Part I.18	NMHC and NOx estimates (Cumulative Increase)	Y	
Part IV.1	Water seals, P-traps, caps, covers on process water drains (1-301)	N	
BAAQMD Condition 20762			

IV. Source Specific Applicable Requirements

Table IV - A
General Asphalt Plant Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Futur Effective Date
Part 1	Vapor Pressure Verification when switching exempt storage liquids	Y	
Part 2	Requirements to switch from low vapor pressure liquid to liquid with vapor pressure > 0.5 psia	Y	
Part 3	Retain results of vapor pressure testing for five years	Y	

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 5	**Organic Compounds, Storage of Organic Liquids (10/18/2006)**		
8-5-117	Limited Exemption, Low Vapor Pressure	N	
SIP Regulation 8, Rule 5	**Storage of Organic Liquids (06/05/2003)**		
8-5-117	Exemption, Low Vapor Pressure	Y	
40 CFR, Part 63 Subpart CC	**National Emission Standards for Hazardous Pollutants for Petroleum Refining (6/23/03) Requirements for Group 2 Tanks**		
63.640(c)(2)	Applicability and Designation of Affected Source – storage vessels	Y	
63.646(b)(1)	Storage Vessel Provisions--Determine stored liquid % OHAP for group determination	Y	
63.646(b)(2)	Storage Vessel Provisions--Determine stored liquid % OHAP-method 18 to resolve disputes	Y	
63.654(i)	Reporting and Recordkeeping Requirements--Recordkeeping for storage vessels	Y	

IV. Source Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.654(i)(1)(iv)	Reporting and Recordkeeping Requirements--Recordkeeping for Group 2 storage vessels	Y	
63.654(i)(4)	Reporting and Recordkeeping Requirements--Recordkeeping--Record retention	Y	
BAAQMD Condition 1240			
Part I.14	Facility Limits (Cumulative Increase)	Y	
Part I.18	Cumulative Increase Monitoring (Cumulative Increase)	Y	
Part I.18a	NMHC and NOx estimates (Cumulative Increase)	Y	
Part I.18c	Estimates of NMHC emissions from tanks (Cumulative Increase)	Y	
Part I.18j	Summary of emissions estimates and reports of non-compliance (Cumulative Increase)	Y	
Part II.32a	Control and Destruction Efficiency Requirement (Regulation 8-5-306, NSPS, Cumulative Increase, BACT, Toxics)	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.45	Requirement for gasketed tank fittings (BACT)	Y	
Part II.46	Recordkeeping (Cumulative Increase)	Y	
Part II.58b	Continuous Temperature Monitoring (40 CFR, Part 60.113b(c)(1)(ii) and 60.113b(c)(2); 40 CFR, Part 60.473(c); Regulation 2-6-409.2.2, 2-6-414))	Y	
Part II.94	Contain Emissions in Closed Vent System (Cumulative Increase)	Y	
Part II.95	Closed Vent System Recordkeeping Requirements (Cumulative Increase)	Y	
Part II.96	Closed Vent System P/V Valve VOC limit (Cumulative Increase)	Y	
BAAQMD Condition 20762			
Part 1	Vapor Pressure Verification when switching exempt storage liquids	Y	
Part 2	Requirements to switch from low vapor pressure liquid to liquid with vapor pressure > 0.5 psia	Y	
Part 3	Retain results of vapor pressure testing for five years	Y	

IV. Source Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6, Rule 1	**Particulate Matter, General Requirements (12/5/2007)**		
6-1-301	Ringelmann #1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310	Particulate Weight Limitation	N	
6-1-401	Appearance of Emissions	N	
6-1-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/1998)**		
6-301	Ringelmann #1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-401	Appearance of Emissions	Y	
6-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions	Y	
BAAQMD Regulation 8, Rule 5	**Organic Compounds, Storage of Organic Liquids (10/18/2006)**		
8-5-117	Limited Exemption, Low Vapor Pressure	N	
SIP Regulation 8, Rule 5	**Storage of Organic Liquids (06/05/2003)**		
8-5-117	Exemption, Low Vapor Pressure	Y	
BAAQMD Regulation 8, Rule 15	**Organic Compounds, Emulsified and Liquid Asphalts (6/1/94)**		
8-15-305	Prohibition of Manufacture and Sale	Y	
8-15-501	Records	Y	
BAAQMD Regulation 10	**New Source Performance Standards Incorporation by Reference (2/16/00)**		

IV. Source Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
10-51	40 CFR, Part, 60 Subpart UU	Y	
40 CFR, Part 60 Subpart UU	**Standards of Performance for Asphalt Processing and Asphalt Roofing Manufacture (10/17/00)**		
60.470(a)	Applicability and designation of affected facilities; asphalt storage tanks	Y	
60.470(b)	Applicability and designation of affected facilities; asphalt storage tanks	Y	
60.472(c)	Asphalt storage tank opacity standard	Y	
60.473(c)	Parametric monitoring	Y	
60.473(d)	Exemption from quarterly reports	Y	
60.474(c)(5)	Test methods and procedures; use Method 9 and 60.11 to determine opacity	Y	
40 CFR, Part 63 Subpart CC	**National Emission Standards for Hazardous Pollutants for Petroleum Refining (6/23/03) Requirements for Group 2 Tanks**		
63.640(c)(2)	Applicability and Designation of Affected Source – storage vessels	Y	
63.646(b)(1)	Storage Vessel Provisions--Determine stored liquid % OHAP for group determination	Y	
63.646(b)(2)	Storage Vessel Provisions--Determine stored liquid % OHAP-method 18 to resolve disputes	Y	
63.654(i)	Reporting and Recordkeeping Requirements--Recordkeeping for storage vessels	Y	
63.654(i)(1) (iv)	Reporting and Recordkeeping Requirements--Recordkeeping for Group 2 storage vessels	Y	
63.654(i)(4)	Reporting and Recordkeeping Requirements--Recordkeeping--Record retention	Y	
BAAQMD Condition 1240			
Part I.14	Facility Limits (Cumulative Increase)	Y	
Part I.18	Cumulative Increase Monitoring (Cumulative Increase)	Y	

IV. Source Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part I.18a	NMHC and NOx estimates (Cumulative Increase)	Y	
Part I.18c	Estimates of NMHC emissions from tanks (Cumulative Increase)	Y	
Part I.18j	Summary of emissions estimates and reports of non-compliance (Cumulative Increase)	Y	
Part II.32a	Control and Destruction Efficiency Requirement (Regulation 8-5-306, NSPS, Cumulative Increase, BACT, Toxics)	Y	
Part II.48	Combined Throughput Limit S5, S6, S7, S8, S37, S38, S51, S52, S53, S60, S61, S62, and S65 (Cumulative Increase, Offsets)	Y	
Part II.49	Prohibition against cutback asphalt (Toxics)	Y	
Part II.50	Vapor Pressure Limit S5, S6, S7, S8, S37, S38, S51, S52, S53, S60 (Cumulative Increase, Offsets)	Y	
Part II.51	Vapor Pressure Limit S61, S62 (Cumulative Increase, Offsets, BACT)	Y	
Part II.52	Vapor Pressure Limit S65 (Cumulative Increase, Offsets, BACT)	Y	
Part II.58	Recordkeeping Requirement (Cumulative Increase)	Y	
Part II.58b	Continuous Temperature Monitoring (40 CFR, Part 60.113b(c)(1)(ii) and 60.113b(c)(2); 40 CFR, Part 60.473(c); Regulation 2-6-409.2.2, 2-6-414)	Y	
Part II.93	Contain Emissions in Closed Vent System for S5, S6, S7, S8. (Cumulative Increase)	Y	
Part II.94	Contain Emissions in Closed Vent System for S37, S38, S51, S52, S53, S60, S61, S62, S65. (Cumulative Increase)	Y	
Part II.95	Closed Vent System Recordkeeping Requirements (Cumulative Increase)	Y	
Part II.96	Closed Vent System P/V Valve VOC limit (Cumulative Increase)	Y	
BAAQMD Condition 20762			
Part 1	Vapor Pressure Verification when switching exempt storage liquids	Y	
Part 2	Requirements to switch from low vapor pressure liquid to liquid with vapor pressure > 0.5 psia	Y	
Part 3	Retain results of vapor pressure testing for five years	Y	

IV. Source Specific Applicable Requirements

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

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

IV. Source Specific Applicable Requirements

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

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

IV. Source Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effectiv Date
8-5-328.3	Tank Degassing Requirements; BAAQMD notification required	N	
8-5-331	Tank Cleaning Requirements; 90% Abatement Efficiency if abatement device used	N	
8-5-331.1	Tank Cleaning Requirements; Cleaning material properties	N	
8-5-331.2	Tank Cleaning Requirements; Steam cleaning prohibition	N	
8-5-331.3	Tank Cleaning Requirements; Steam cleaning exceptions	N	
8-5-402	Inspection Requirements for Internal Floating Roof Tanks	N	
8-5-402.1	Inspection Requirements for Internal Floating Roof Tanks; Primary and secondary seal inspections	Y	
8-5-402.2	Inspection Requirements for Internal Floating Roof Tanks; Visual Inspections of Outermost Seal	N	
8-5-402.3	Inspection Requirements for Internal Floating Roof Tanks; Tank Fitting Inspections	N	
8-5-404	Inspection, Abatement Efficiency Determination, and Source Test Reports	N	
8-5-411	Enhanced Monitoring Program (Optional)	N	
8-5-411.3	Enhanced Monitoring Program (Optional); Performance requirements	N	
8-5-501	Records	N	
8-5-501.1	Records; Type and amounts of liquid, type of blanket gas, TVP - Retain 24 months	Y	
8-5-501.2	Records; Internal and External Floating Roof Tanks, Seal Replacement Records - Retain 10 years	Y	
8-5-501.3	Records; Retention	N	
8-5-602	Analysis of Samples, True Vapor Pressure	Y	
8-5-604	Determination of Applicability Based on True Vapor Pressure	Y	
8-5-605	Measurement of Leak Concentration and Residual Concentrations	N	
8-5-605.1	Measurement of Leak Concentration and Residual Concentrations; EPA Method 21 Instrument	N	
8-5-605.2	Measurement of Leak Concentration and Residual Concentrations; Test Methods	N	
8-5-606	Analysis of Samples, Tank Cleaning Agents	N	
8-5-606.1	Analysis of Samples, Tank Cleaning Agents; IBP	N	
8-5-606.2	Analysis of Samples, Tank Cleaning Agents; TVP	N	
8-5-606.3	Analysis of Samples, Tank Cleaning Agents; VOC	N	
SIP Regulation 8, Rule 5	**Storage of Organic Liquids (06/05/2003)**		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service; Compliance before notification	Y	
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service; Minimization of emissions	Y	
8-5-111.6	Limited Exemption, Tank Removal From and Return to Service;	Y	

IV. Source Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effectiv Date
	Written notice of completion not required		
8-5-111.7	Limited Exemption, Tank Removal From and Return to Service; Compliance with Section 8-5-328	Y	
8-5-112	Limited Exemption, Tanks in Operation	Y	
8-5-112.2	Limited Exemption, Tanks in Operation; Compliance before commencement of work and certified per 8-5-404	Y	
8-5-112.4	Limited Exemption, Tanks in Operation; Exemption does not exceed 7 days	Y	
8-5-117	Limited Exemption, Low Vapor Pressure	Y	
8-5-301	Storage Tank Control Requirements (internal floating roof, external floating roof, or approved emission control system)	Y	
8-5-305	Requirements for Internal Floating roofs	Y	
8-5-305.5	Requirements for Internal Floating Roof Tanks; Floating roof requirements	Y	
8-5-320	Tank fitting requirements	Y	
8-5-320.2	Floating Roof Tank Fitting Requirements; Projection below liquid surface.	Y	
8-5-320.3	Floating Roof Tank Fitting Requirements; Gasketed covers, seals, lids	Y	
8-5-320.5	Floating Roof Tank Fitting Requirements; Slotted sampling or gauging wells	Y	
8-5-320.5.2	Floating Roof Tank Fitting Requirements; Slotted sampling or gauging wells; Cover, gasket, pole sleeve	Y	
8-5-321	Primary seal requirements	Y	
8-5-321.3	Primary Seal Requirements; Metallic-shoe-type seal requirements	Y	
8-5-322	Secondary seal requirements	Y	
8-5-328	Tank degassing requirements	Y	
8-5-328.1	Tank degassing requirements; Tanks larger than 75 m^3	Y	
8-5-328.1.2	Tank degassing requirements; Tanks larger than 75 m^3; Concentration of organic compounds in tank of < 10,000 ppm as methane after degassing	Y	
8-5-402	Inspection Requirements for Internal Floating Roof Tanks	Y	
8-5-402.2	Inspection Requirements for Internal Floating Roof Tanks; Visual Inspection of Outermost Seal	Y	
8-5-402.3	Inspection Requirements for Internal Floating Roof Tanks; Tank Fitting Inspections	Y	

IV. Source Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effectiv Date
8-5-404	Certification	Y	
8-5-405	Information required	Y	
8-5-405.1	Information required; Date of inspection	Y	
8-5-405.2	Information required; Actual gap measurements	Y	
8-5-405.3	Information required; Data, supported calculation	Y	
8-5-501	Records	Y	
8-5-503	Portable hydrocarbon detector	Y	
BAAQMD Regulation 10	**New Source Performance Standards Incorporation by Reference (2/16/00)**		
10-17	40 CFR, Part 60 Subpart Kb	Y	
BAAQMD · Regulation 11 · Rule 12	**NESHAPS Incorporation by Reference, 40 CFR, Part 61 Subpart FF Benzene Waste (01/05/1994)**	**Y**	
40 CFR, Part 60 Subpart Kb	**New Source Performance Standard for Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction or Modification Commenced After July 23, 1984. (10/15/03)**		
60.110b(a)	Applicability and Designation of Affected Facility; Volatile organic liquid storage vessels > or = to 75 cubic meter, after 7/23/1984	Y	
60.112b(a)	Standard for Volatile Organic Compounds (VOC); Requirement for tanks-- > 151 cubic meter with maximum TVP >=5.2 kPa and <76.6; or >= 75 cubic meter and < 151 cubic meter with maximum TVP >= 27.6 kPa and < 76.6 kPa	Y	
60.112b(a)(1)	Standard for Volatile Organic Compounds (VOC), internal floating roof option	Y	
60.112b(a)(1)(i)	Requirements for internal floating roof resting or floating on liquid surface. Exempt if the floating roof is landed on its support legs. When roof is resting on support legs, filling, emptying, and refilling 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	

IV. Source Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effectiv Date
60.112b(a)(1)(vi)	Rim space vents	Y	
60.112b(a)(1)(vii)	Sample wells	Y	
60.112b(a)(1)(viii)	Penetrations allowing for passage of columns	Y	
60.112b(a)(1)(ix)	Penetrations allowing for passage of ladders	Y	
60.113b	Testing and procedures	Y	
60.113b(a)	Inspections for internal floating roofs	Y	
60.113b(a)(1)	Testing and Procedures; Internal floating roof visual inspection before filling	Y	
60.113b(a)(2)	Testing and Procedures; Internal floating roof tanks with liquid mounted or mechanical shoe primary seal, annual inspection	Y	
60.113b(a)(3)(ii)	Testing and Procedures; Internal floating roof with double seal system, annual inspection	Y	
60.113b(a)(4)	Testing and Procedures; Internal floating roof inspections after emptied and degassed	Y	
60.113b(a)(5)	Testing and Procedures; Internal floating roof, 30 day notification for filling after inspection	Y	
60.115b	Reporting and Recordkeeping Requirements; 60.112b(a) tanks	Y	
60.115b(a)	Record keeping and reporting requirements	Y	
60.115b(a)(1)	Reporting and Recordkeeping Requirements; 60.112b(a) internal floating roof control equipment description and certification	Y	
60.115b(a)(2)	Reporting and Recordkeeping Requirements; 60.112b(a) internal floating roof inspection records	Y	
60.115b(a)(3)	Reporting and Recordkeeping Requirements; 60.112b(a) internal floating roof annual inspection defects report	Y	
60.115b(a)(4)	Reporting and Recordkeeping Requirements; 60.112b(a) internal floating roof double seal system inspection defects report	Y	
60.116b	Monitoring of operations	Y	
60.116b(a)	Retention of record for two years	Y	
60.116b(b)	Records of dimensions and capacity	Y	
60.116b(c)	Records of VOL stored, period of storage, and maximum true vapor pressure	Y	
60.116b(e)	Determination of vapor pressure for crude oil or refined petroleum	Y	

IV. Source Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effectiv Date
	products		
60.116b(e)(1)	Monitoring of Operations; Determine TVP-temperature selection based on tank operating temperatures	Y	
60.116b(e)(2)(i)	use of API nomographs to determine true vapor pressure	Y	
60.116b(e)(2)(ii)	determination of true vapor pressure under special circumstances	Y	
40 CFR, Part 61 Subpart FF	**National Emission Standards for Hazardous Pollutants Benzene Waste Operations (12/04/2003) Requirements for Internal Floating Roof Tanks**		
61.340(a)	Applicability: Chemical Manufacturing, Coke by-product recovery, petroleum refineries	Y	
61.342	Standards: General	Y	
61.342(c)(1)	Requirements for treating non-aqueous wastes (less than 10% water) for compliance with 61.342(e) compliance option	Y	
61.342(c)(1)(iii)	Requirements for treating non-aqueous wastes (less than 10% water) for compliance with 61.342(e) compliance option comply with 61.343 through 61.347 for waste management units used for wastes that will be recycled to the process or process feed tank.	Y	
61.342(e)	Standards: General; Compliance option – Treat to 6 or 6BQ Option	Y	
61.342(e)(1)	Requirements for treating non-aqueous wastes (less than 10% water) for compliance with 61.342(e) compliance option – comply with 61.342(c)(1) ;	Y	
61.342(g)	Compliance determined by review of facility records, results of tests and inspections	Y	
61.343(a)	Standards: Tanks; Benzene-containing wastes	Y	
61.346(b)	Alternate compliance provisions for Individual Drain Systems	Y	
61.346(b)(3)	No cracks on exposed sewer lines	Y	
61.346(b)(4)	Equipment Inspections	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	
61.350	Delay of repair	Y	
61.350(a)	Delay of repair; allowed if infeasible without shutdown	Y	
61.350(b)	Delay of repair; complete repairs before end of next unit shutdown	Y	

IV. Source Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effectiv Date
61.351(a)(1)	Alternative Standards for Tanks; Internal floating roof meeting requirements of 40 CFR, Part 60.112b(a)(1)	Y	
61.351(b)	Alternative Standards for Tanks; Tanks subject to 61.351 and exempt from 61.343	Y	
61.356(g)	Recordkeeping Requirements: Records of visual inspections of individual drain systems required by 61.346	Y	
61.356(k)	Recordkeeping Requirements: 61.351 control equipment must comply with 40 CFR, Part 60.115b	Y	
61.357(f)	Reporting Requirements: 61.351 control equipment must comply with 40 CFR, Part 60.115b	Y	
40 CFR, Part 63 Subpart CC	**National Emission Standards for Hazardous Pollutants for Petroleum Refining (6/23/03)**		
63.640(c)(2)	Applicability and Designation of Affected Source – storage vessels	Y	
63.640(n)(1)	Applicability and Designation of Affected Source Overlap for Storage Vessels: Tanks subject to 40 CFR, Part Subpart Kb comply with 40 CFR, Part Subpart Kb except as provided in 40 CFR, Part 60.640(n)(8).	Y	
63.640(n)(8)	Applicability and Designation of Affected Source Overlap for Storage Vessels--Additional requirements for NSPS Kb internal floating roof tanks	Y	
63.640(n)(8)(ii)	Structurally unsound roofs	Y	
63.640(n)(8)(iii)	Extensions for compliance	Y	
63.640(n)(8)(iv)	Additional reports if extension is used	Y	
63.640(n)(8)(v)	Subpart Kb reports may be submitted for this subpart. Permit holder has 60 days in lieu of Subpart Kb deadline.	Y	
BAAQMD Condition 1240			
Part I.14	Facility Limits (Cumulative Increase)	Y	
Part I.18	Cumulative Increase Monitoring (Cumulative Increase)	Y	
Part I.18a	NMHC and NOx estimates (Cumulative Increase)	Y	
Part I.18c	Estimates of NMHC emissions from tanks (Cumulative Increase)	Y	

IV. Source Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effectiv Date
Part I.18j	Summary of emissions estimates and reports of non-compliance (Cumulative Increase)	Y	
Part II.25	Storage of Materials Other than Naphtha (Cumulative Increase, Toxics)	Y	
Part II.26	Vapor Pressure Limit (Cumulative Increase, Toxics)	Y	
Part II.27a	Internal Floating Roof Requirements (Cumulative Increase, NSPS)	Y	
Part II.28	Throughput Limit (Cumulative Increase, Toxics)	Y	
Part II.29	Recordkeeping (Cumulative Increase)	Y	

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 5	**Organic Compounds, Storage of Organic Liquids (10/18/06)**		
8-5-117	Limited Exemption, Low Vapor Pressure	N	
SIP **Regulation 8, Rule 5**	**Storage of Organic Liquids (6/5/03)**		
8-5-117	Exemption, Low Vapor Pressure	Y	
40 CFR, Part 61 Subpart FF	**National Emission Standards for Benzene Waste Operations (12/4/03)** **Requirements for Uncontrolled Aqueous Waste Streams in 6BQ Facility**		
61.340(a)	Applicability: Chemical Manufacturing, Coke by-product recovery,	Y	

IV. Source Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	petroleum refineries		
61.341	Definitions	Y	
61.342	Standards: General	Y	
61.342(b)	Standards: General; Compliance for facilities with TAB >= 10 Mg/year	Y	
61.342(e)	Standards: General; Compliance option – Treat to 6 or 6BQ Option	Y	
61.342(e)(2)	Standards: General; Requirements for treating aqueous wastes (greater than 10% water) for compliance with 61.342(e) compliance option;	Y	
61.342(e)(2) (i)	Standards: General; [Uncontrolled] 61.342(e)(2) Waste shall not contain more than 6.0 Mg/yr benzene (target benzene quantity (TBQ).	Y	
61.342(e)(2) (ii)	Standards: General; Determine 61.342(e)(2) benzene quantity in each uncontrolled aqueous waste stream per 61.355(k).	Y	
40 CFR, Part 63 Subpart CC	**National Emission Standards for Hazardous Pollutants for Petroleum Refining (6/23/03) Requirements for Group 2 Wastewater Streams**		
63.640(c)(3)	Wastewater steams associated with petroleum refining process units	Y	
63.641	Definitions	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.95	Closed Vent System Recordkeeping Requirements (Cumulative Increase)	Y	
Part II.96	Closed Vent System P/V Valve VOC limit (Cumulative Increase)	Y	
BAAQMD Condition 20762			
Part 1	Vapor Pressure Verification when switching exempt storage liquids	Y	
Part 2	Requirements to switch from low vapor pressure liquid to liquid with vapor pressure > 0.5 psia	Y	
Part 3	Retain results of vapor pressure testing for five years	Y	

IV. Source Specific Applicable Requirements

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

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

IV. Source Specific Applicable Requirements

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

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

IV. Source Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	requirements		
8-5-501	Records	Y	
8-5-501.1	Records; Type and amounts of liquid, type of blanket gas, TVP - Retain 24 months	Y	
8-5-501.3	Records; Retention	N	
8-5-501.4	Records; New pressure vacuum valve setpoints	N	
8-5-502	Source Test Requirements and exemption for sources vented to fuel gas	N	
8-5-502.1	Source Test Requirements; Annual source test for approved emission control systems and abatement devices for 8-5-303.2, 8-5-306.1, 8-5-307.3	N	
8-5-602	Analysis of Samples, True Vapor Pressure	Y	
8-5-603	Determination of Abatement Efficiency	N	
8-5-604	Determination of Applicability Based on True Vapor Pressure	Y	
8-5-605	Measurement of Leak Concentration and Residual Concentrations	N	
8-5-605.1	Measurement of Leak Concentration and Residual Concentrations; EPA Method 21 Instrument	N	
8-5-605.2	Measurement of Leak Concentration and Residual Concentrations; Test Methods	N	
8-5-606	Analysis of Samples, Tank Cleaning Agents	N	
8-5-606.1	Analysis of Samples, Tank Cleaning Agents; IBP	N	
8-5-606.2	Analysis of Samples, Tank Cleaning Agents; TVP	N	
8-5-606.3	Analysis of Samples, Tank Cleaning Agents; VOC	N	
SIP Regulation 8, Rule 5	**Storage of Organic Liquids (06/05/2003)**		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service; Compliance before notification	Y	
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service; Minimization of emissions	Y	

IV. Source Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-5-111.6	Limited Exemption, Tank Removal From and Return to Service; Written notice of completion not required	Y	
8-5-111.7	Limited Exemption, Tank Removal From and Return to Service; Compliance with Section 8-5-328	Y	
8-5-112	Limited Exemption, Tanks in Operation	Y	
8-5-112.2	Limited Exemption, Tanks in Operation; Compliance before commencement of work and certified per 8-5-404	Y	
8-5-112.4	Limited Exemption, Tanks in Operation; Exemption does not exceed 7 days	Y	
8-5-117	Limited Exemption, Low Vapor Pressure	Y	
8-5-301	Storage Tank Control Requirements (internal floating roof, external floating roof, or approved emission control system)	Y	
8-5-303	Requirements for Pressure Vacuum Valve	Y	
8-5-306	Requirements for Approved Emission Control Systems	Y	
8-5-328	Tank Degassing Requirements	Y	
8-5-328.1	Tank Degassing Requirements; Tanks larger than 75 m^3	Y	
8-5-328.1.2	Tank Degassing Requirements; Tanks larger than 75 m^3; Concentration of organic compounds in tank of < 10,000 ppm as methane after degassing	Y	
8-5-328.2	Tank degassing requirements; Ozone Excess Day Prohibition	Y	
8-5-403	Inspection Requirements for Pressure Relief Devices	Y	
8-5-404	Certification	Y	
8-5-503	Portable hydrocarbon detector	Y	
8-5-603	Determination of emissions	Y	
8-5-603.1	Source tests for approved emission control system	Y	
8-5-605	Pressure-Vacuum Valve Gas Tight Determination	Y	
40 CFR, Part 60 Subpart Kb	**New Source Performance Standard for Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction or Modification Commenced After July 23, 1984. (10/15/03)**		
60.110b(a)	Applicability and Designation of Affected Facility; Volatile organic liquid storage vessels > or = to 75 cubic meter, after 7/23/1984	Y	
60.112b(a)(3)	Closed vent system and control device	Y	
60.112b(a)(3)(i)	Standard for Volatile Organic Compounds (VOC); Closed vent	Y	

IV. Source Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	system and control device no detectable emissions		
60.112b(a)(3)(ii)	Standard for Volatile Organic Compounds (VOC); Closed vent system and control device >= 95% inlet VOC emission reduction	Y	
60.113b(c)	Testing and Procedures; Closed vent system and control device (not flare)	Y	
60.113b(c)(1)	Testing and Procedures; Closed vent system and control device (not flare) operating plan submission	Y	
60.113b(c)(1)(i)	Testing and Procedures; Closed vent system and control device (not flare) operating plan--efficiency demonstration	Y	
60.113b(c)(1)(ii)	Testing and Procedures; Closed vent system and control device (not flare) operating plan--monitoring parameters	Y	
60.113b(c)(2)	Testing and Procedures; Closed vent system and control device (not flare) operate in accordance with operating plan	Y	
60.115b	Reporting and Recordkeeping Requirements; 60.112b(a) tanks	Y	
60.115b(c)(1)	Reporting and Recordkeeping Requirements; Closed vent system and control device (not flare) operating plan copy	Y	
60.115b(c)(2)	Reporting and Recordkeeping Requirements; Closed vent system and control device (not flare) operating records	Y	
60.116b(a)	Monitoring of Operations; Record retention	Y	
60.116b(b)	Monitoring of Operations; Permanent record requirements	Y	
60.116b(g)	Monitoring of Operations; Exemption from 116b(c) and 116b(d)	Y	
40 CFR, Part 63 Subpart CC	**National Emission Standards for Hazardous Air Pollutants for Petroleum Refineries (6/23/03)**		
63.640(c)(2)	Applicability and Designation of Affected Source – storage vessels	Y	
63.640(n)(1)	Applicability and Designation of Affected Source Overlap for Storage Vessels: Tanks subject to 40 CFR, Part 60 Subpart Kb comply with 40 CFR, Part, Subpart Kb except as provided in 40 CFR, Part 60.640(n)(8).	Y	
63.640(n)(8)	Applicability and Designation of Affected Source Overlap for Storage Vessels—no additional requirements for fixed roof tanks	Y	
BAAQMD Condition 1240			
Part I.14	Facility Limits (Cumulative Increase)	Y	

IV. Source Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part I.18	Cumulative Increase Monitoring (Cumulative Increase)	Y	
Part I.18a	NMHC and NOx estimates (Cumulative Increase)	Y	
Part I.18c	Estimates of NMHC emissions from tanks (Cumulative Increase)	Y	
Part I.18j	Summary of emissions estimates and reports of non-compliance (Cumulative Increase)	Y	
Part II.30	Storage of Materials other than Kerosene, Light or Heavy Vacuum Gas Oil, or Asphalt (Cumulative Increase, Toxics)	Y	
Part II.31	Vapor Pressure Limit (Cumulative Increase, Toxics)	Y	
Part II.31a	Monitoring for vapor pressure limit	Y	
Part II.32a	Control and Destruction Efficiency Requirement (Regulation 8-5-306, NSPS, Cumulative Increase, BACT, Toxics)	Y	
Part II.32e	Monitoring of fugitive emissions at closed vent system (2-6-503)	Y	
Part II.33a	Throughput Limit (Cumulative Increase, Toxics)	Y	
Part II.33b	S63 Prohibition against cutback asphalt materials (Toxics)	Y	
Part II.34	Recordkeeping (Cumulative Increase)	Y	
Part II.58b	Continuous Temperature Monitoring (40 CFR, Part 60.113b(c)(1)(ii) and 60.113b(c)(2); 40 CFR, Part 60.473(c); Regulation 2-6-409.2.2, 2-6-414)	Y	
Part II.93	Contain Emissions in Closed Vent System for S59 (Cumulative Increase)	Y	
Part II.94	Contain Emissions in Closed Vent System for S13 and S63 (Cumulative Increase)	Y	
Part II.95	Closed Vent System Recordkeeping Requirements (Cumulative Increase)	Y	
Part II.96	Closed Vent System P/V Valve VOC limit (Cumulative Increase)	Y	

IV. Source Specific Applicable Requirements

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

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

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

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

IV. Source Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-401	Appearance of Emissions	Y	
6-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions	Y	
BAAQMD Regulation 8, Rule 15	**Organic Compounds, Emulsified and Liquid Asphalts (6/1/94)**		
8-15-305	Prohibition of Manufacture and Sale	Y	
8-15-501	Records	Y	
BAAQMD Condition 1240			
Part I.14	Facility Limits (Cumulative Increase)	Y	
Part I.18	Cumulative Increase Monitoring (Cumulative Increase)	Y	
Part I.18a	NMHC and NOx estimates (Cumulative Increase)	Y	
Part I.18d	Estimates of NMHC emissions from loading racks (Cumulative Increase)	Y	
Part I.18j	Summary of emissions estimates and reports of non-compliance (Cumulative Increase)	Y	
Part I.19	1570F Minimum Operating Temperature and monitoring (2-6-503)	Y	
Part II.8	Control Requirements for S17 (Cumulative Increase)	Y	
Part II.65	Control Requirement (Cumulative Increase)	Y	
Part II.68	Destruction Efficiency Requirement (Cumulative Increase, BACT)	Y	
Part II.71	Vapor Pressure and Kerosene Throughput Requirement (Cumulative Increase, offsets)	Y	
Part II.74	Asphalt Throughput Requirement (Cumulative Increase, offsets)	Y	
Part II.75	Recordkeeping Requirement (Cumulative Increase)	Y	
Part IV.2	Asphalt truck inspections. (1-301)	N	
Part IV.3	Notification to trucking companies (1-301)	N	

IV. Source Specific Applicable Requirements

Table IV – I
Source-specific Applicable Requirements
S18, CRUDE UNIT

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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	Vent to refinery fuel gas recovery system, S-9 (cumulative increase, toxics)	Y	
Part I.4	Recordkeeping (Cumulative Increase)	Y	
Part I.7	Mechanical seals, packing, and compressor seals (Cumulative Increase)	Y	
Part I.14	Facility Limits (Cumulative Increase)	Y	
Part I.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	

Table IV – J
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)**		
1-523	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 – J
Source-specific Applicable Requirements
S19, VACUUM HEATER

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	
1-523.3	Reports of Violations	Y	
BAAQMD Regulation 6, Rule 1	**Particulate Matter, General Requirements (12/5/2007)**		
6-1-301	Ringelmann #1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310	Particulate Weight Limitation	N	
6-1-310.3	Heat Transfer Operations	N	
6-1-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/1998)**		
6-301	Ringelmann #1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-310.3	Heat Transfer Operations	Y	
6-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions	Y	
BAAQMD Condition 1240			
Part I.5	Asphalt plant Heat Input Limit (Cumulative Increase)	Y	
Part I.5a	Natural gas firing only and S19 Heat Input Limit (Cumulative Increase)	Y	
Part I.5b	CO Concentration Limit (Cumulative Increase, BACT)	Y	
Part I.5c	Hourly CO Limit (Cumulative Increase, BACT)	Y	
Part I.6	Prohibition against combustion of fuel oil or diesel fuel (cumulative increase)	Y	
Part I.8	Low NOx Burner Requirement, NOx emission limit (Cumulative Increase, BACT)	Y	
Part I.10	Requirement for Continuous Recording Oxygen Analyzers (2-1-403)	Y	

IV. Source Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part I.11	Permit application for NSPS Ja for NOx and flaring applicability (Regulation 2-1-403)	Y	
Part I.14	Facility Limits (Cumulative Increase)	Y	
Part I.16a	Source Test Requirements for NOx and CO limits (Cumulative Increase, Toxics)	Y	
Part I.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	

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 1	**General Provisions and Definitions (5/2/01)**		
1-523	Parametric Monitoring and Recordkeeping Procedures	N	
1-523.1	Parametric monitor periods of inoperation	Y	
1-523.2	Limits on periods of inoperation	Y	
1-523.3	Reports of Violations	N	
1-523.4	Records	Y	
1-523.5	Maintenance and calibration	N	
SIP Regulation 1	**General Provisions and Definitions (6/28/99)**		
1-523	Parametric Monitoring and Recordkeeping Procedures	Y	
1-523.3	Reports of Violations	Y	

IV. Source Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 2, Rule 9	**Interchangeable Emission Reduction Credits (4/7/99)**		
2-9-301	Bankable Interchangeable Emission Reduction Credits – General Provisions	N	
2-9-302	Use of IERC's	N	
2-9-303	Alternative Compliance Plan using IERC's	N	
2-9-304	Restrictions on the Use of IERC's	N	
2-9-305	Conversion of an ERC to an IERC	N	
2-9-306	Environmental Benefit Surcharge	N	
2-9-401	IERC Application	N	
2-9-401.4	Use of IERC's in lieu of compliance with the BARCT rule(s) specified in Section 2-9-302.	N	
2-9-402	Complete IERC Banking Application	N	
2-9-501	Monitoring and Record Keeping	N	
2-9-502	Alternative Compliance Plan Record Keeping and Reporting	N	
2-9-601	Emission Reduction Calculations - General Requirements	N	
2-9-605	Calculation Procedure to Determine the Required Amount of IERC's for BARCT Compliance	N	
BAAQMD Regulation 6, Rule 1	**Particulate Matter, General Requirements (12/5/2007)**		
6-1-301	Ringelmann #1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310	Particulate Weight Limitation	N	
6-1-310.3	Heat Transfer Operations	N	
6-1-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/1998)**		
6-301	Ringelmann #1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-310.3	Heat Transfer Operations	Y	
6-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions	Y	

IV. Source Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 9, Rule 10	**Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon Monoxide from Boilers, Steam Generators, and Process Heaters in Petroleum Refineries (7/17/02)**		
9-10-301	Emission Limit for Facility, NOx: 0.033 lb NOx/MMBTU	N	
9-10-301.1	...Start-up/Shutdown Contribution	N	
9-10-301.2	...Out-of-Service Units Contribution	N	
9-10-303	Emission Limit for Facility (Federal Requirements)	Y	
9-10-305	CO emission limit	N	
9-10-502	Monitoring for sources subject to 9-10-301, 303, 304, and 305	N	
9-10-502.1	CEMS for NOx, CO, and O2 or equivalent verification system	N	
9-10-502.2	Fuel flowmeters	N	
9-10-504	Recordkeeping	N	
9-10-504.1	Records for sources subject to 9-10-301, 304, or 305, or, effective July 17, 2002, 303	N	
9-10-505	Reporting for sources subject to 9-10-301, 303, 304, 305, and/or 306	N	
9-10-601	Determination of Nitrogen Oxides	Y	
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 (04/02/2008)**		
9-10-502	Monitoring for sources subject to 9-10-303	Y	
9-10-504.1	Recordkeeping for sources subject to 9-10-303	Y	
9-10-505	Reporting requirements for sources subject to 9-10-303 and/or 306	Y	
BAAQMD Condition 1240			
Part I.5	Asphalt plant Heat Input Limit (Cumulative Increase)	Y	
Part I.6	Prohibition against combustion of fuel oil or diesel fuel (cumulative increase)	Y	
Part I.10	Requirement for Continuous Recording Oxygen Analyzers (2-1-403)	Y	
Part I.14	Facility Limits (Cumulative Increase)	Y	
Part I.18	Cumulative Increase Monitoring (Cumulative Increase)	Y	
Part I.18a	NMHC and NOx estimates (Cumulative Increase)	Y	
Part I.18f	Estimates of NMHC emissions from combustion sources (Cumulative Increase)	Y	

IV. Source Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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	**To be deleted upon expiration of NOx IERCs from Facility ID B2626**		
Part 1	Hourly firing limits (Regulation 2-9-303.4.1, Cumulative Increase)	N	
Part 2	Quarterly and annual reports (Regulation 2-9-303.3)	N	
Part 3	Annual submittal of documents (Regulation 2-9-303.3)	N	
Part 4	Recordkeeping (Regulation 2-9-303.3)	N	
BAAQMD Condition 21233			
Part 1	Affected sources, firing rates, use of ACP (9-10-301, 9-10-305, 2-9-303.4.1)	Y	
Part 3	NOx box-operation (9-10-502)	Y	
Part 4	NOx box establishment (9-10-502)	Y	
Part 5	NOx box limits (9-10-502)	Y	
Part 6	NOx box deviations (9-10-502)	Y	
Part 7	Source tests for NOx and CO at maximum NOx (9-10-502)	Y	
Part 7a.1	Annual tests at sources below 25 MMbtu/hr (9-10-502)	Y	
Part 7a.3	Source tests for shutdown sources	Y	
Part 7b	Source test results greater than NOx Box emission factor	Y	
Part 10	Records of source test data (9-10-502)	Y	

IV. Source Specific Applicable Requirements

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

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

IV. Source Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
6-1-305	Visible Particles	N	
6-1-310	Particulate Weight Limitation	N	
6-1-310.3	Heat Transfer Operations	N	
6-1-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (12/5/2007)**		
6-301	Ringelmann #1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-310.3	Heat Transfer Operations	Y	
6-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions	Y	
BAAQMD Regulation 9, Rule 10	**Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon Monoxide from Boilers, Steam Generators, and Process Heaters in Petroleum Refineries (7/17/02)**		
9-10-301	Emission Limit for Facility, NOx: 0.033 lb NOx/MMBTU	N	
9-10-301.1	...Start-up/Shutdown Contribution	N	
9-10-301.2	...Out-of-Service Units Contribution	N	
9-10-303	Emission Limit for Facility (Federal Requirements)	Y	
9-10-305	CO emission limit	N	
9-10-502	Monitoring for sources subject to 9-10-301, 303, 304, and 305	N	
9-10-502.1	CEMS for NOx, CO, and O2 or equivalent verification system	N	
9-10-502.2	Fuel flowmeters	N	
9-10-504	Recordkeeping	N	
9-10-504.1	Records for sources subject to 9-10-301, 304, or 305, or, effective July 17, 2002, 303	N	
9-10-505	Reporting	N	
9-10-601	Determination of Nitrogen Oxides	Y	
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 (04/02/2008)**		
9-10-502	Monitoring for sources subject to 9-10-303	Y	
9-10-504.1	Recordkeeping for sources subject to 9-10-303	Y	

IV. Source Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
9-10-505	Reporting requirements for sources subject to 9-10-303 and/or 306	Y	
BAAQMD Condition 1240			
Part I.5	Asphalt plant Heat Input Limit (Cumulative Increase)	Y	
Part I.6	Prohibition against combustion of fuel oil or diesel fuel (cumulative increase)	Y	
Part I.10	Requirement for Continuous Recording Oxygen Analyzers (2-1-403)	Y	
Part I.14	Facility Limits (Cumulative Increase)	Y	
Part I.18	Cumulative Increase Monitoring (Cumulative Increase)	Y	
Part I.18a	NMHC and NOx estimates (Cumulative Increase)	Y	
Part I.18f	Estimates of NMHC emissions from combustion sources (Cumulative Increase)	Y	
Part I.18h	Estimates of NOx emissions from combustion sources (Cumulative Increase)	Y	
Part I.18j	Summary of emissions estimates and reports of non-compliance (Cumulative Increase)	Y	
BAAQMD Condition 19329	**To be deleted upon expiration of NOx IERCs from Facility ID B2626**		
Part 1	Hourly firing limits (Regulation 2-9-303.4.1, Cumulative Increase)	N	
Part 2	Quarterly and annual reports (Regulation 2-9-303.3)	N	
Part 3	Annual submittal of documents (Regulation 2-9-303.3)	N	
Part 4	Recordkeeping (Regulation 2-9-303.3)	N	
BAAQMD Condition 21233			
Part 1	Affected sources, firing rates, use of ACP (9-10-301, 9-10-305, 2-9-303.4.1)	Y	
Part 3	NOx box-operation (9-10-502)	Y	
Part 4	NOx box establishment (9-10-502)	Y	
Part 5	NOx box limits (9-10-502)	Y	
Part 6	NOx box deviations (9-10-502)	Y	
Part 7	Source tests for NOx and CO at maximum NOx (9-10-502)	Y	
Part 7a.1	Annual tests at sources below 25 MMbtu/hr (9-10-502)	Y	
Part 7a.3	Source tests for shutdown sources	Y	

IV. Source Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 7b	Source test results greater than NOx Box emission factor	Y	
Part 10	Records of source test data (9-10-502)	Y	

Table IV - M
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 (7/19/2006)**		
1-107	Combination of Emissions	Y	
1-523	Parametric Monitoring and Recordkeeping Procedures	N	
1-523.1	Parametric monitor periods of inoperation	Y	
1-523.2	Limits on periods of inoperation	Y	
1-523.3	Reports of Violations	N	
1-523.4	Records	Y	
1-523.5	Maintenance and calibration	N	
SIP Regulation 1	**General Provisions and Definitions (6/28/99)**		
1-523	Parametric Monitoring and Recordkeeping Procedures	Y	
1-523.3	Reports of Violations	Y	
BAAQMD Regulation 6, Rule 1	**Particulate Matter, General Requirements (12/5/2007)**		
6-1-301	Ringelmann #1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310	Particulate Weight Limitation	N	
6-1-310.3	Heat Transfer Operations	N	
6-1-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/1998)**		

IV. Source Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
6-301	Ringelmann #1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-310.3	Heat Transfer Operations	Y	
6-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions	Y	
BAAQMD Regulation 8, Rule 5	**Organic Compounds, Storage of Organic Liquids (10/18/2006)**		
8-5-118	Limited exemption, gas tight requirement	N	
8-5-306	Requirements for Approved Emission Control Systems	N	
8-5-306.1	Requirements for Approved Emission Control Systems; Abatement efficiency >= 95%	N	
8-5-404	Inspection, Abatement Efficiency Determination, and Source Test Reports	N	
8-5-502	Source test requirements; Approved Emission Control Systems	N	
8-5-502.1	Source test requirements; Approved Emission Control Systems for 8-5-306.1; Annual source tests	N	
8-5-603	Determination of abatement efficiency	N	
SIP Regulation 8, Rule 5	**Storage of Organic Liquids (06/05/2003)**		
8-5-306	Requirements for Approved Emission Control Systems; gas tight and >= 95% abatement	Y	
8-5-503	Portable hydrocarbon detector for 8-5-306	Y	
8-5-603	Determination of Emissions	Y	
8-5-603.1	Determination of Emissions for 8-5-306	Y	
BAAQMD Regulation 8, Rule 6	**Organic Liquid Bulk Terminals And Bulk Plants (2/2/1994)**		
8-6-301	Bulk Terminal Limitations	Y	
BAAQMD Regulation 8, Rule 8	**Wastewater Collection and Separation Systems (9/15/2004)**		
8-8-301	Wastewater separators designed rated capacity greater than 760 liters per day (200 gal/day) and smaller than 18.9 liters per second (300 gal/min)	Y	
8-8-301.3	Wastewater separators > 200 gpd and < 300 gpm: An organic	N	

IV. Source Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	compound vapor recovery system with a combined collection and destruction efficiency of at least 95 percent by weight		
8-8-305	Oil-Water Separator and/or Air Flotation Unit Slop Oil Vessels	Y	
8-8-305.2	Oil-Water Separator and/or Air Flotation Unit Slop Oil Vessels; An organic compound vapor recovery system with a combined collection and destruction efficiency of at least 70 percent by weight	N	
8-8-602	Determination of Emissions	N	
SIP Regulation 8, Rule 8	**Wastewater (Oil-Water) Separators (8/29/1994)**		
8-8-301.3	Wastewater separators > 200 gpd and < 300 gpm: An organic compound vapor recovery system with a combined collection and destruction efficiency of at least 95 percent by weight.	Y	
8-8-305.2	Oil-Water Separator and/or Air Flotation Unit Slop Oil Vessels; An organic compound vapor recovery system with a combined collection and destruction efficiency of at least 70 percent by weight	Y	
8-8-602	Determination of Emissions	Y	
BAAQMD Regulation 9, Rule 10	**Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon Monoxide from Boilers, Steam Generators, and Process Heaters in Petroleum Refineries (7/17/02)**		
9-10-111	Limited Exemption: Small Units: Between 1 and 10 MMBTU/hr and capable of firing fuel other than natural gas or LPG	N	
9-10-217	Definition: Small Unit: Between 1 and 10 MMBTU/hr and capable of firing fuel other than natural gas or LPG	Y	
9-10-306	Small Unit Requirements	Y	
9-10-306.2	Tune-up requirements	Y	
9-10-402	Control Plan Requirements, Small Units	N	
9-10-504	Records	N	
9-10-504.2	Annual tune-ups	N	
9-10-505	Reporting Requirements	N	
9-10-505.1	Reports of violations of 9-10-301, 303, 304, 305, and/or 306, in writing within ninety-six (96) hours	N	
9-10-605	Tune-up Procedures	Y	
SIP Regulation 9,	**Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon Monoxide from Boilers, Steam Generators, and Process**		

IV. Source Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Rule 10	**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	
9-10-402	Control Plan Requirements, Small Units	Y	
BAAQMD Regulation 10	**New Source Performance Standards Incorporation by Reference (2/16/00)**		
10-17	40 CFR, Part 60 Subpart Kb	Y	
10-51	40 CFR, Part 60 Subpart UU	Y	
40 CFR, Part 60 Subpart Kb	**New Source Performance Standard for Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction or Modification Commenced After July 23, 1984. (10/15/03) Requirements for Control Devices**		
60.112b(a)(3)(ii)	Standard for Volatile Organic Compounds (VOC); Closed vent system and control device >= 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, Part 60, Subpart UU	**Standards of Performance for Asphalt Processing and Asphalt Roofing Manufacture (10/17/00)**		
60.470(a)	Applicability and designation of affected facilities; asphalt storage tanks	Y	
60.470(b)	Applicability and designation of affected facilities; asphalt storage tanks	Y	
60.472(c)	Asphalt storage tank opacity standard	Y	
60.473(c)	Parametric monitoring	Y	

IV. Source Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.473(d)	Exemption from quarterly reports	Y	
60.474(c)(5)	Test methods and procedures; use Method 9 and 60.11 to determine opacity	Y	
BAAQMD Condition 1240			
Part I.5	Asphalt plant Heat Input Limit (Cumulative Increase)	Y	
Part I.6	Prohibition against combustion of fuel oil or diesel fuel (cumulative increase)	Y	
Part I.14	Facility Limits (Cumulative Increase)	Y	
Part I.18	Cumulative Increase Monitoring (Cumulative Increase)	Y	
Part I.18a	NMHC and NOx estimates (Cumulative Increase)	Y	
Part I.18g	Estimates of NMHC emissions from combustion sources (Cumulative Increase)	Y	
Part I.18i	Estimates of NOx emissions from combustion sources (Cumulative Increase)	Y	
Part I.18j	Summary of emissions estimates and reports of non-compliance (Cumulative Increase)	Y	
Part II.32a	Control and Destruction Efficiency Requirement for S3, S5, S6, S7 S8, S13, S37, S38, S41, S51, S52, S53, S54, S59, S60, S61, S62, S63, S65, S66, S70 (Regulation 8-5-306, NSPS, cumulative increase, BACT, toxics)	Y	
Part II.58b	Continuous Temperature Monitoring (40 CFR, Part 60.113b(c)(1)(ii) and 60.113b(c)(2); 40 CFR, Part 60.473(c); Regulation 2-6-409.2.2, 2-6-414)	Y	
Part II.58c	Allowable temperature excursions (2-1-403)	Y	
Part II.58d	Recordkeeping for allowable temperature excursions (2-1-403)	Y	
Part II.58e	Temperature excursion only applies when below limit (2-1-403)	Y	
Part II.58f	Operational conditions for temperature excursions (2-1-403)	Y	
Part V.1	NOx and CO limits (Cumulative Increase)	Y	

IV. Source Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 8	**Organic Compounds, Wastewater Collection and Separation Systems (9/15/2004)**		
8-8-303	Gauging and Sampling Devices	Y	
8-8-305	Oil-water Separator and/or Air Flotation Unit Slop Oil Vessels;	Y	
8-8-305.2	Oil-water Separator and/or Air Flotation Unit Slop Oil Vessels; with organic compound vapor recovery system with >= 70% (wt) abatement efficiency	Y	
8-8-503	Inspection and Repair Records	Y	
8-8-504	Portable Hydrocarbon Detector	Y	
8-8-602	Determination of Emissions	N	
8-8-603	Inspection Procedures	N	
SIP Regulation 8, Rule 8	**Organic Compounds, Wastewater (Oil-Water) Separators (8/29/1994)**		
8-8-602	Determination of Emissions	Y	
8-8-603	Inspection Procedures	Y	
40 CFR, Part 61 Subpart FF	**National Emission Standards for Benzene Waste Operations (12/4/03)** **Requirements for Uncontrolled Aqueous Waste Streams in 6BQ Facility**		
61.340(a)	Applicability: Chemical Manufacturing, Coke by-product recovery, petroleum refineries	Y	
61.341	Definitions	Y	
61.342	Standards: General	Y	
61.342(b)	Standards: General; Compliance for facilities with TAB >= 10 Mg/year	Y	
61.342(e)	Standards: General; Compliance option for 6BQ facility	Y	
61.342(e)(2)	Standards: General; Requirements for treating aqueous wastes (greater than 10% water) for compliance with 61.342(e) compliance option;	Y	
61.342(e)(2)(i)	Standards: General; [Uncontrolled] 61.342(e)(2) Waste shall not contain more than 6.0 Mg/yr benzene	Y	
61.342(e)(2)(ii)	Standards: General; Determine 61.342(e)(2) benzene quantity in each uncontrolled aqueous waste stream per 61.355(k).	Y	

IV. Source Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
40 CFR, Part 63 Subpart CC	**National Emission Standards for Hazardous Pollutants for Petroleum Refining (6/23/03) Requirements for Group 2 Wastewater Streams**		
63.640(c)(3)	Wastewater steams associated with petroleum refining process units	Y	
63.641	Definitions	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, Part 60.113b(c)(1)(ii) and 60.113b(c)(2); 40 CFR, Part 60.473(c); Regulation 2-6-409.2.2, 2-6-414)	Y	
Part II.95	Closed Vent System Recordkeeping Requirements (Cumulative Increase)	Y	
Part II.96	Closed Vent System P/V Valve VOC limit (Cumulative Increase)	Y	

IV. Source Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6, Rule 1	**Particulate Matter, General Requirements(12/5/2007)**		
6-1-301	Ringelmann #1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310	Particulate Weight Limitation	N	
6-1-401	Appearance of Emissions	N	
6-1-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/8/1998)**		
6-301	Ringelmann #1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-401	Appearance of Emissions	Y	
6-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions	Y	
BAAQMD Regulation 8, Rule 6	**Organic Liquid Bulk Terminals And Bulk Plants (2/2/94)**		
8-6-114	Exemption, Maintenance and Repair	Y	
8-6-301	Bulk Terminal Limitations	Y	
8-6-305	Delivery Vehicle Requirements	Y	
8-6-306	Equipment Maintenance	Y	
8-6-307	Operating Practices	Y	
8-6-501	Efficiency and Rate Determination	Y	
8-6-502	Portable Hydrocarbon Detector	Y	
8-6-601	Efficiency and Rate Determination	Y	
BAAQMD Regulation 8, Rule 15	**Organic Compounds, Emulsified and Liquid Asphalts (6/1/94)**		
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	

IV. Source Specific Applicable Requirements

Table IV - O
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.18	Cumulative Increase Monitoring (Cumulative Increase)	Y	
Part I.18a	NMHC and NOx estimates (Cumulative Increase)	Y	
Part I.18d	Estimates of NMHC emissions from loading racks (Cumulative Increase)	Y	
Part I.18j	Summary of emissions estimates and reports of non-compliance (Cumulative Increase)	Y	
Part II.32a	Control and Destruction Efficiency Requirement (Regulation 8-5-306, NSPS, cumulative increase, BACT, toxics)	Y	
Part II.58b	Continuous Temperature Monitoring (40 CFR, Part 60.113b(c)(1)(ii) and 60.113b(c)(2); 40 CFR, Part 60.473(c2-6-409.2.2, 2-6-414)	Y	
Part II.72	Vapor Pressure Requirement (Cumulative Increase, offsets, toxics)	Y	
Part II.72a	Monitoring for compliance with 8-6-306 for vapor tightness (2-6-503)	Y	
Part II.72b	Monitoring for compliance with 8-6-306 for leak-free equipment (2-6-503)	Y	
Part II.73	Vapor Pressure Requirement for Asphalt (Cumulative Increase, offsets, toxics)	Y	
Part II.74	Asphalt Throughput Requirement	Y	
Part II.75	Recordkeeping Requirement (Cumulative Increase)	Y	
Part II.94	Contain Emissions in Closed Vent System (Cumulative Increase)	Y	
Part II.95	Closed Vent System Recordkeeping Requirements (Cumulative Increase)	Y	
Part II.96	Closed Vent System P/V Valve VOC limit (Cumulative Increase)	Y	

IV. Source Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6, Rule 1	**Particulate Matter, General Requirements(12/50/2007)**		
6-1-301	Ringelmann #1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310	Particulate Weight Limitation	N	
6-1-310.3	Heat Transfer Operations	N	
6-1-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/1998)**		
6-301	Ringelmann #1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-310.3	Heat Transfer Operations	Y	
6-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions	Y	
BAAQMD Regulation 9, Rule 10	**Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon Monoxide from Boilers, Steam Generators, and Process Heaters in Petroleum Refineries (7/17/02)**		
9-10-110.1	Exemptions	Y	
BAAQMD Condition 1240			
Part I.5	Asphalt plant Heat Input Limit (Cumulative Increase)	Y	
Part I.6	Prohibition against combustion of fuel oil or diesel fuel (cumulative increase)	Y	
Part I.14	Facility Limits (Cumulative Increase)	Y	
Part I.18	Cumulative Increase Monitoring (Cumulative Increase)	Y	
Part I.18a	NMHC and NOx estimates (Cumulative Increase)	Y	
Part I.18g	Estimates of NMHC emissions from combustion sources (Cumulative Increase)	Y	
Part I.18i	Estimates of NOx emissions from combustion sources (Cumulative Increase)	Y	
Part I.18j	Summary of emissions estimates and reports of non-compliance (Cumulative Increase)	Y	

IV. Source Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 8	**Wastewater Collection and Separation Systems (9/15/2004)**		
8-8-303	Gauging and Sampling Devices	Y	
8-8-504	Portable Hydrocarbon Detector	Y	
8-8-601	Wastewater Analysis for Critical OCs	Y	
8-8-603	Inspection Procedures	N	
SIP Regulation 8, Rule 8	**Wastewater (Oil-Water) Separators (8/29/1994)**		
8-8-603	Inspection Procedures	Y	
40 CFR, Part 61 Subpart FF	**National Emission Standards for Benzene Waste Operations (12/4/2003)** **Requirements for Uncontrolled Aqueous Waste Streams in 6BQ Facility**		
61.340(a)	Applicability: Chemical Manufacturing, Coke by-product recovery, petroleum refineries	Y	
61.341	Definitions	Y	
61.342	Standards: General	Y	
61.342(b)	Standards: General; Compliance for facilities with TAB >= 10 Mg/year	Y	
61.342(e)	Standards: General; Compliance option – Treat to 6 or 6BQ Option	Y	
61.342(e)(2)	Standards: General; Requirements for treating aqueous wastes (greater than 10% water) for compliance with 61.342(e) compliance option;	Y	
61.342(e)(2)(i)	Standards: General; [Uncontrolled] 61.342(e)(2) Waste shall not contain more than 6.0 Mg/yr benzene (target benzene quantity (TBQ).	Y	
61.342(e)(2)(ii)	Standards: General; Determine 61.342(e)(2) benzene quantity in each uncontrolled aqueous waste stream per 61.355(k).	Y	
40 CFR, Part 63 Subpart CC	**National Emission Standards for Hazardous Pollutants for Petroleum Refining (6/23/03)** **Requirements for Group 2 Wastewater Streams**		
63.640(c)(3)	Wastewater steams associated with petroleum refining process units	Y	
63.641	Definitions	Y	
BAAQMD Condition 1240			

IV. Source Specific Applicable Requirements

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

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.18e	Estimates of NMHC emissions from wastewater sources (Cumulative Increase)	Y	
Part I.18j	Summary of emissions estimates and reports of non-compliance (Cumulative Increase)	Y	
Part II.32a	Control and Destruction Efficiency Requirement (Regulation 8-5-306, NSPS, cumulative increase, BACT, toxics)	Y	
Part II.58b	Continuous Temperature Monitoring (40 CFR, Part 60.113b(c)(1)(ii) and 60.113b(c)(2); 40 CFR, Part 60.473(c); Regulation 2-6-409.2.2, 2-6-414)	Y	
Part II.92	Throughput Limit (Cumulative Increase)	Y	
Part II.92a	Recordkeeping (Cumulative Increase)	Y	
Part II.93	Contain Emissions in Closed Vent System (Cumulative Increase)	Y	
Part II.95	Closed Vent System Recordkeeping Requirements (Cumulative Increase)	Y	
Part II.96	Closed Vent System P/V Valve VOC limit (Cumulative Increase)	Y	

Table IV - R
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, Rule 1	**Particulate Matter, General Requirements(12/5/2007)**		
6-1-301	Ringelmann #1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310	Particulate Weight Limitation	N	
6-1-401	Appearance of Emissions	N	
6-1-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions	N	

IV. Source Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/1998)**		
6-301	Ringelmann #1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-401	Appearance of Emissions	Y	
6-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions	Y	
BAAQMD Regulation 8, Rule 15	**Organic Compounds, Emulsified and Liquid Asphalts (6/1/94)**		
8-15-305	Prohibition of Manufacture and Sale	Y	
8-15-501	Records	Y	
BAAQMD Condition 1240			
Part I.14	Facility Limits (Cumulative Increase)	Y	
Part I.18	Cumulative Increase Monitoring (Cumulative Increase)	Y	
Part I.18a	NMHC and NOx estimates (Cumulative Increase)	Y	
Part I.18d	Estimates of NMHC emissions from loading racks (Cumulative Increase)	Y	
Part I.18j	Summary of emissions estimates and reports of non-compliance (Cumulative Increase)	Y	
Part II.32a	Control and Destruction Efficiency Requirement (Regulation 8-5-306, NSPS, cumulative increase, BACT, toxics)	Y	
Part II.58b	Continuous Temperature Monitoring (40 CFR, Part 60.113b(c)(1)(ii) and 60.113b(c)(2); 40 CFR, Part 60.473(c); Regulation 2-6-409.2.2, 2-6-414)	Y	
Part II.71	Vapor Pressure and Kerosene Throughput Requirement (Cumulative Increase, offsets)	Y	
Part II.74	Asphalt Throughput Requirement	Y	
Part II.75	Recordkeeping Requirement (Cumulative Increase)	Y	
Part II.94	Contain Emissions in Closed Vent System (Cumulative Increase)	Y	
Part II.95	Closed Vent System Recordkeeping Requirements (Cumulative Increase)	Y	
Part II.96	Closed Vent System P/V Valve VOC limit (Cumulative Increase)	Y	
Part IV.2	Asphalt truck inspections. (1-301)	N	
Part IV.3	Notification to trucking companies (1-301)	N	

IV. Source Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 8	**Wastewater Collection and Separation Systems (9/15/04)**		
8-8-114	Exemption, Bypassed Oil-Water Separator or Air Flotation Influent	Y	
8-8-301	Wastewater separators designed rated capacity greater than 760 liters per day (200 gal/day) and smaller than 18.9 liters per second (300 gal/min)	Y	
8-8-301.3	An organic compound vapor recovery system with a combined collection and destruction efficiency of at least 95 percent by weight.	N	
8-8-303	Gauging and Sampling Devices	Y	
8-8-501	API Separator or Air Flotation Bypassed Wastewater Records	N	
8-8-503	Inspection and Repair Records	Y	
8-8-504	Portable Hydrocarbon Detector	Y	
8-8-601	Wastewater Analysis for Critical OCs	Y	
8-8-602	Determination of Emissions	N	
8-8-603	Inspection Procedures	N	
SIP Regulation 8, Rule 8	**Wastewater (Oil-Water) Separators (8/29/1994)**		
8-8-301.3	An organic compound vapor recovery system with a combined collection and destruction efficiency of at least 95 percent by weight.	Y	
8-8-501	API Separator or Air Flotation Bypassed Wastewater Records	Y	
8-8-602	Determination of Emissions	Y	
8-8-603	Inspection Procedures	Y	
40 CFR, Part 61 Subpart FF	**National Emission Standards for Benzene Waste Operations (12/4/03) Requirements for Uncontrolled Aqueous Waste Streams in 6BQ Facility**		
61.340(a)	Applicability	Y	
61.341	Definitions	Y	
61.342	Standards: General	Y	
61.342(b)	Standards: General; Compliance for facilities with TAB >= 10 Mg/year	Y	
61.342(e)	Standards: General; Compliance option – Treat to 6 or 6BQ Option	Y	
61.342(e)(2)	Standards: General; Requirements for treating aqueous wastes	Y	

IV. Source Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	(greater than 10% water) for compliance with 61.342(e) compliance option;		
61.342(e)(2)(i)	Standards: General; [Uncontrolled] 61.342(e)(2) Waste shall not contain more than 6.0 Mg/yr benzene (target benzene quantity (TBQ).	Y	
61.342(e)(2)(ii)	Standards: General; Determine 61.342(e)(2) benzene quantity in each uncontrolled aqueous waste stream per 61.355(k).	Y	
40 CFR, Part 63 Subpart CC	**National Emission Standards for Hazardous Pollutants for Petroleum Refining (6/23/03) Requirements for Group 2 Wastewater Streams**		
63.640(c)(3)	Wastewater steams associated with petroleum refining process units	Y	
63.641	Definitions	Y	
BAAQMD Condition 1240			
Part I.14	Facility Limits (Cumulative Increase)	Y	
Part I.18	Cumulative Increase Monitoring (Cumulative Increase)	Y	
Part I.18a	NMHC and NOx estimates (Cumulative Increase)	Y	
Part I.18e	Estimates of NMHC emissions from wastewater sources (Cumulative Increase)	Y	
Part I.18j	Summary of emissions estimates and reports of non-compliance (Cumulative Increase)	Y	
Part II.32a	Control and Destruction Efficiency Requirement (Regulation 8-5-306, NSPS, cumulative increase, BACT, toxics)	Y	
Part II.58b	Continuous Temperature Monitoring (40 CFR, Part 60.113b(c)(1)(ii) and 60.113b(c)(2); 40 CFR, Part 60.473(c); Regulation 2-6-409.2.2, 2-6-414)	Y	
Part II.83	Throughput limit (Cumulative Increase)	Y	
Part II.87	Monitoring and recordkeeping (Cumulative increase)	Y	
Part II.88	Monitoring and recordkeeping (Cumulative increase)	Y	
Part II.93	Contain Emissions in Closed Vent System (Cumulative Increase)	Y	
Part II.95	Closed Vent System Recordkeeping Requirements (Cumulative Increase)	Y	
Part II.96	Closed Vent System P/V Valve VOC limit (Cumulative Increase)	Y	

IV. Source Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6, Rule 1	**Particulate Matter, General Requirements (12/5/2007)**		
6-1-303	Ringelmann #2 Limitation	N	
6-1-303.1	Standby sources of power	N	
6-1-305	Visible Particles	N	
6-1-310	Particulate Weight Limitation	N	
6-1-401	Appearance of Emissions	N	
6-1-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/1998)**		
6-303	Ringelmann #2 Limitation	Y	
6-303.1	Standby sources of power	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-401	Appearance of Emissions	Y	
6-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions	Y	
BAAQMD · Regulation 9 Rule 1	**Inorganic Gaseous Pollutants, Sulfur Dioxide Emissions Limitations (3/15/95)**		
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 07/25/2007)		
9-8-330	Emergency Standby Engines, Hours of Operation	N	
9-8-330.1	Emergency Standby Engines, Hours of Operation	N	
9-8-330.2	Emergency Standby Engines, Hours of Operation	N	
9-8-330.3	Emergency Standby Engines, Hours of Operation	N	1/1/2012
9-8-530	Emergency standby engines, monitoring and recordkeeping	N	
9-8-530.1	Hours of operation (total)	N	
9-8-530.2	Hours of operation (emergency)	N	
9-8-530.3	Nature of emergency condition	N	
CCR, Title 17, Section 93115	**ATCM for Stationary Compression Ignition Engines**		
93115.3	Exemptions	N	
93115.3(n)	Operating limits in 93115.6(b)(3) do not apply to fire pumps driven by	N	

IV. Source Specific Applicable Requirements

Table IV - T
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
	stationary CI engines and are only operated the number of hours necessary to comply with NFPA 25 testing requirements		
93115.5	Fuel and Fuel Additive Requirements for New and In-Use Stationary CI Engines That Have a Rated Brake Horsepower of Greater than 50 (> bhp)	N	
93115.5(b)	Fuel requirements for in-sue emergency standby stationary diesel-fueled CI engines	N	
93115.5(b)(1)	Must use CARB Diesel Fuel	N	
93115.10(g)	Reporting Requirements for Emergency Standby Engines	N	
93115.15	Severability	N	
BAAQMD Condition 1240			
Part I.6	Prohibition against combustion of fuel oil or diesel fuel except at S68 (cumulative increase)	Y	
Part I.14	Facility Limits (Cumulative Increase)	Y	
Part I.18	Cumulative Increase Monitoring (Cumulative Increase)	Y	
Part I.18a	NMHC and NOx estimates (Cumulative Increase)	Y	
Part I.18g	Estimates of NMHC emissions from combustion sources (Cumulative Increase)	Y	
Part I.18i	Estimates of NOx emissions from combustion sources (Cumulative Increase)	Y	
Part I.18j	Summary of emissions estimates and reports of non-compliance (Cumulative Increase)	Y	
BAAQMD Condition 18796			
Part 1	Sulfur content of fuel (Cumulative Increase)	Y	
BAAQMD Condition 22851			
Part 1	Emergency standby engine operations (“Stationary Diesel Engine ATCM”, CA Code of Regulations, Title 17, Section 93115.3(n))	Y	
Part 2	Emergency standby engine operations (BAAQMD Regulation 9-8-330)	Y	
Part 3	Emergency standby engine non-resettable totalizing meter requirements (BAAQMD Regulation 9-8-530, "Stationary Diesel Engine ATCM", CA Code of Regulations, Title 17, Section 93115.10(e)(1))	Y	

IV. Source Specific Applicable Requirements

Table IV - T
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 4	Emergency standby engine recordkeeping (BAAQMD Regulation 9-8-530, 2-6-501, and "Stationary Diesel Engine ATCM", CA Code of Regulations, Title 17, Section 93115.10(g))	Y	

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6, Rule 1	**Particulate Matter , General Requirements (12/5/2007)**		
6-1-301	Ringelmann #1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310	Particulate Weight Limitation	N	
6-1-311	General Operations	N	
6-1-401	Appearance of Emissions	N	
6-1-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/1998)**		
6-301	Ringelmann #1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	
6-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions	Y	
BAAQMD Condition 20278			
Part 2	Throughput limit (2-2-212, Cumulative Increase)	Y	

IV. Source Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 4	Public nuisance (1-301)	N	
Part 6	Recordkeeping (2-6-501)	Y	
Part 7	Visible Emissions checks (2-6-409.2)	Y	

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6, Rule 1	**Particulate Matter, General Requirements 12/5/2007)**		
6-1-301	Ringelmann #1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310	Particulate Weight Limitation	N	
6-1-401	Appearance of Emissions	N	
6-1-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/1998)**		
6-301	Ringelmann #1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	
6-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions	Y	
BAAQMD Regulation 8, Rule 5	**Organic Compounds, Storage of Organic Liquids (10/18/2006)**		
8-5-117	Limited Exemption, Low Vapor Pressure	N	

IV. Source Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
SIP Regulation 8, Rule 5	**Storage of Organic Liquids (06/05/2003)**		
8-5-117	Exemption, Low Vapor Pressure	Y	
BAAQMD Regulation 8, Rule 15	**Organic Compounds, Emulsified and Liquid Asphalts (6/1/94)**		
8-15-305	Prohibition of Manufacture and Sale	Y	
8-15-501	Records	Y	
BAAQMD Regulation 10	**New Source Performance Standards Incorporation by Reference (2/16/00)**		
10-51	40 CFR, Part 60 Subpart UU	Y	
40 CFR, Part 60 Subpart UU	**Standards of Performance for Asphalt Processing and Asphalt Roofing Manufacture (10/17/00)**		
60.470(a)	Applicability and designation of affected facilities; asphalt storage tanks	Y	
60.470(b)	Applicability and designation of affected facilities; asphalt storage tanks	Y	
60.472(c)	Asphalt storage tank opacity standard	Y	
60.473(c)	Parametric monitoring	Y	
60.473(d)	Exemption from quarterly reports	Y	
60.474(c)(5)	Test methods and procedures; use Method 9 and 60.11 to determine opacity	Y	
BAAQMD Condition 1240			
Part I.14	Facility Limits (Cumulative Increase)	Y	
Part I.18	Cumulative Increase Monitoring (Cumulative Increase)	Y	
Part I.18a	NMHC and NOx estimates (Cumulative Increase)	Y	
Part I.18c	Estimates of NMHC emissions from tanks (Cumulative Increase)	Y	
Part I.18j	Summary of emissions estimates and reports of non-compliance (Cumulative Increase)	Y	
Part II.32a	Control and Destruction Efficiency Requirement (Regulation 8-5-306, NSPS, cumulative increase, BACT, toxics)	Y	
Part II.49	Prohibition against cutback asphalt (Toxics)	Y	
Part II.50	Vapor Pressure Limit (Cumulative Increase, Offsets)	Y	
Part II.58	Recordkeeping Requirement (Cumulative Increase)	Y	
Part II.58b	Continuous Temperature Monitoring (40 CFR, Part 60.113b(c)(1)(ii)	Y	

IV. Source Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	and 60.113b(c)(2); 40 CFR, Part 60.473(c); Regulation 2-6-409.2.2, 2-6-414)		
Part II.94	Contain Emissions in Closed Vent System (Cumulative Increase)	Y	
Part II.95	Closed Vent System Recordkeeping Requirements (Cumulative Increase)	Y	
Part II.96	Closed Vent System P/V Valve VOC limit (Cumulative Increase)	Y	
BAAQMD Condition 20278			
Part 1	Throughput limit (2-2-212, Cumulative Increase)	Y	
Part 4	Public nuisance (1-301)	N	
Part 6	Recordkeeping (2-6-501)	Y	

Table IV- W0
Fugitive Sources: Applicable Requirements

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

Process Unit	BAAQMD & SIP Regulation 8, Rule 18		40 CFR, Part 60 Subparts GGG/VV BAAQMD Regulations 10-59/10-52 Note 7	40 CFR, Part 60 Subparts GGGa/VVa Note 8	NESHAP Part 61, Subpart FF; BAAQMD Regulation 11, Rule 12 Note 2 Note 3	40 CFR, Part 63 Subpart CC; 40 CFR, Part 60 Subpart VV Note 1
S1, S2, S4, and S23 Crude Tankage receipt piping. (4)	X					
S1, S2, S4, and S23 Crude Tankage feed piping to S18 Crude Unit. (4)	X					X (1)
Wastewater Treatment Plant. (Note 2)	X					X (1,2)

IV. Source Specific Applicable Requirements

Table IV- W0
Fugitive Sources: Applicable Requirements

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

Process Unit	BAAQMD & SIP Regulation 8, Rule 18		40 CFR, Part 60 Subparts GGG/VV BAAQMD Regulations 10-59/10-52 Note 7	40 CFR, Part 60 Subparts GGGa/VVa Note 8	NESHAP Part 61, Subpart FF; BAAQMD Regulation 11, Rule 12 Note 2 Note 3	40 CFR, Part 63 Subpart CC; 40 CFR, Part 60 Subpart VV Note 1
S41 WEMCO Hydrocleaner, S66 Oil-Water Separator (Note 4)S27 & S67, Recovered Oil Tanks and associated closed vent systems						
S9 Naphtha Tank fill line and naphtha transfer line from S9 to Refinery	X				X (3)	X (1)
S16, Truck Loading Rack - Heavy Vacuum Gas Oil	X					
S17, Loading Racks – Asphalt	X					
S18 Crude Unit, including Atmospheric Tower (T-1), KD stripped tower (T-2), crude charge circuit, overhead off-gas system,	X					X (1)
S18 Vacuum Tower (T-3) overhead gas system	X					X (1)
S18 Booster Compressor (upon startup of atmospheric PRD removal project)	X		X	X		
S31, Rail Car Asphalt Loading Rack	X					

IV. Source Specific Applicable Requirements

Table IV- W0
Fugitive Sources: Applicable Requirements

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

Process Unit	BAAQMD & SIP Regulation 8, Rule 18		40 CFR, Part 60 Subparts GGG/VV BAAQMD Regulations 10-59/10-52 Note 7	40 CFR, Part 60 Subparts GGGa/VVa Note 8	NESHAP Part 61, Subpart FF; BAAQMD Regulation 11, Rule 12 Note 2 Note 3	40 CFR, Part 63 Subpart CC; 40 CFR, Part 60 Subpart VV Note 1
S54, Asphalt Loading Rack	X					
All Other Piping, including natural gas piping	X					X (1)

Notes:
(1) Fugitive components that are subject to the equipment leak standards of 40 CFR, Part 63 Subpart CC must comply with the equipment leak standards set forth in 40 CFR, Part 60 Subpart VV.
(2) The benzene waste streams generated at the Asphalt Plant and routed to the Wastewater Treatment Plant Equipment via the API sewer are subject to 40 CFR Part 63 Subpart CC and comply with the provisions of 40 CFR, Part 61 Subpart FF in 61.342(e)(2) for uncontrolled aqueous wastes. The Wastewater Treatment Plant Equipment is not subject to the control standards for 40 CFR, Part 61 Subpart FF waste management units.
(3) The naphtha stream generated at the Asphalt Plant and transferred by pipeline to the Refinery (B2626) is a benzene waste subject to 40 CFR, Part 61 Subpart FF. It complies with the provisions of 61.342(e)(1) for controlled non-aqueous wastes. Tank 4607 (S9), the tank fill line, and the transfer line from the tank to the Refinery are all subject to 40 CFR, Part 61 Subpart FF. S9 complies with the requirements of 61.351 for internal floating roof tanks. The fill and transfer lines are individual drain systems subject to 61.346(b)(3).
(4) S66, Oil Water Separator was installed after the effective date of 40 CFR, Part 60 Subpart QQQ, but was not a new source at the time it was installed. The OWS was purchased from Pacific Refining Company and was previously located at that company's refinery in Rodeo, CA that has since been shut down and dismantled. Valero's records show that the work done to the source at the time of its acquisition and installation did not meet the criteria for modification under NSPS (40 CFR, Part 60 Subpart A; 60.14). In addition, in accordance with 40 CFR, Part 60 Subpart A; 60.14(e)(6) - the relocation or change in ownership of an existing facility is not by itself considered to be a modification. Therefore, because S66 was not newly constructed, reconstructed, or modified as defined in 40 CFR, Part 60 Subpart A when it was installed at the Asphalt Plant, it is not subject to 40 CFR, Part 60 Subpart QQQ.
(5) Sources S1, S2, S4, and S23 Crude Storage Tanks are part of Facility B5574. Piping is part of facility A0901 as shown in Table IV-W0.
(6) Sources subject to BAAQMD Regulation 8-18 are also subject to any applicable requirements of SIP BAAQMD Regulation 8-18 when the SIP and BAAQMD versions of this rule are not the same.
(7) Fugitive components that are subject to the equipment leak standards of 40 CFR, Part 60 Subpart GGG must comply with the equipment leak standards set forth in 40 CFR, Part 60 Subpart VV.
(8) Fugitive components that are subject to the equipment leak standards of 40 CFR, Part 60 Subpart GGGa must comply with the equipment leak standards set forth in 40 CFR, Part 60 Subpart VVa.

IV. Source Specific Applicable Requirements

Table IV – W1
Applicable Requirements
COMPONENTS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 18	**Organic Compounds-Equipment Leaks (9/5/2004)**		
8-18-110	Exemption, Controlled Seal Systems and Pressure Relief Devices	N	
8-18-113	Limited Exemption, Initial Boiling Point	Y	
8-18-115	Limited Exemption, Storage Tanks	Y	
8-18-116	Limited Exemption, Vacuum Service	Y	
8-18-301	General Standard	Y	
8-18-302	Valves	N	
8-18-303	Pumps and compressors	N	
8-18-304	Connections	N	
8-18-305	Pressure relief devices	Y	
8-18-306	Non-repairable equipment	N	
8-18-307	Liquid Leaks	Y	
8-18-308	Alternate compliance	Y	
8-18-401	Inspection	N	
8-18-402	Identification	Y	
8-18-403	Visual inspection schedule	Y	
8-18-404	Alternate inspection schedule	Y	
8-18-501	Portable Hydrocarbon Detector	Y	
8-18-502	Records	N	
8-18-503	Reports	N	
8-18-601	Analysis of Samples	Y	
8-18-602	Inspection Procedure	Y	
8-18-603	Determination of Control Efficiency	N	
8-18-604	Determination of Mass Emissions	N	
SIP Regulation 8, Rule 18	**Organic Compounds-Equipment Leaks (6/5/2003)**		
8-18-110	Exemption, Controlled Seal Systems and Pressure Relief Devices	Y	
8-18-302	Valves	Y	

IV. Source Specific Applicable Requirements

Table IV – W1
Applicable Requirements
COMPONENTS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-18-303	Pumps and compressors	Y	
8-18-304	Connections	Y	
8-18-304.2	Connections subject to District-approved inspection program	Y	
8-18-306	Non-repairable equipment	Y	
8-18-306.1	Repair at next scheduled turnaround or five years	Y	
8-18-306.2	Percentage of equipment awaiting repair	Y	
8-18-401	Inspection	Y	
8-18-502	Records	Y	
8-18-603	Determination of Control Efficiency	Y	
8-18-604	Determination of Mass Emissions	Y	
BAAQMD Regulation 10	**New Source Performance Standards Incorporation by Reference (2/16/00)**		
10-52	40 CFR, Part 60 Subpart VV	Y	
10-59	40 CFR, Part 60 Subpart GGG	Y	
40 CFR, Part 60 Subpart VV	**Standards of Performance for Equipment Leaks (Fugitive Emission Sources) (12/14/00) Applicability determined by 40 CFR, Part 60 Subpart GGG and 40 CFR, Part 63 Subpart CC**		
60.482-1	Standards: General	Y	
60.482-2	Standards: Pumps in light liquid service	Y	
60.482-3	Standards: Compressor	Y	
60.482-4	Standards: Pressure relief devices in gas/vapor service	Y	
60.482-5	Standards: Sampling connecting systems	Y	
60.482-6	Standards: Open-ended valves or lines	Y	
60.482-7	Standards : Valves in gas/vapor service and in light liquid service:	Y	
60.482-7(a)-(c)	Monitor monthly unless 2 successive months <10,000 ppm, then monitor quarterly. If leak >10,000 ppm is detected, resume monthly monitoring	Y	
60.482-7(h)	Exemption for valves designated difficult to monitor – must be monitoring annually	Y	
60.482-7(e)	Methods for first attempts or minimizing valve leaks	Y	

IV. Source Specific Applicable Requirements

Table IV – W1
Applicable Requirements
COMPONENTS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.482-7(f)	Designated no-emissions (< 500 ppm) valves with no external actuating mechanisms in contact with process fluid, may revert to annual monitoring, or that requested by the Administrator	Y	
60.482-7(h)	Exemption for valves designated difficult to monitor – must be monitored annually	Y	
60.482-8	Standards: Pumps and valves in heavy liquid service, pressure relief devices in light liquid or heavy liquid service, and connectors	Y	
60.482-9	Standards: Delay of repairs	Y	
60.482-9(a)	Delay of repairs	Y	
60.482-9(b)	Repair may be delayed for isolated equipment	Y	
60.482-9(c)	Delay of repair for valves is only allowed under certain circumstances	Y	
60.482-9(d)	Delay of repairs for pumps	Y	
60.482-9(d)(1)	Only dual-mechanical seal pumps qualify for delay of repair	Y	
60.482-9(d)(2)	Pump leaks must be repaired within 6 months	Y	
60.482-9(f)	Leaking pumps or valves in service during delay of repair are considered repaired and no longer subject to delay of repair requirements if two consecutive monthly monitoring less than the leak definition.	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	
60.484	Equivalence of means of emission limitation	Y	
60.485	Test Methods and Procedures	Y	
60.486	Record keeping	Y	
60.487	Reporting Requirements	Y	
40 CFR, Part 60 Subpart VVa	**Standards of Performance for Equipment Leaks (Fugitive Emission Sources) (12/14/00)** **Applicability determined by 40 CFR, Part 60 Subpart GGG a**		
60.482-1a	General Standards	Y	
60.482-2a	Pump Standards:	Y	
60.482-3a	Compressor Standards	Y	

IV. Source Specific Applicable Requirements

Table IV – W1
Applicable Requirements
COMPONENTS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.482-4a	Requirements for Pressure Relief Devices in gas/vapor service	Y	
60.482-5a	Requirements for Sampling connecting systems	Y	
60.482-6a	Requirements for Open-ended valves or lines	Y	
60.482-7a	Valve Standards:	Y	
60.482-7a(a)-(c)	Monitor monthly unless 2 successive months <10,000 ppm, then monitor first month of each quarter. If leak >10,000 ppm is detected, resume monthly monitoring	Y	
60.482-7a(e)	Methods for first attempts or minimizing valve leaks	Y	
60.482-7a(f)	Designated no-emissions (< 500 ppm) valves with no external actuating mechanisms in contact with process fluid, may revert to annual monitoring, or that requested by the Administrator	Y	
60.482-8a	Standards: Pumps & Valves in Heavy Liquid Service, Pressure Relief Devices in Light Liquid or Heavy Liquid Service, and Flanges & Other Connectors	Y	
60.482-9a(a)	Delay of repairs	Y	
60.482-9a(b)	Repair may be delayed for isolated equipment	Y	
60.482-9a(c)	Delay of repair for valves is only allowed under certain circumstances	Y	
60.482-9a(d)	Delay of repairs for pumps	Y	
60.482-9a(d)(1)	Only dual-mechanical seal pumps qualify for delay of repair	Y	
60.482-9a(d)(2)	Pump leaks must be repaired within 6 months	Y	
60.482-10a	Requirements for closed-vent systems and control devices	Y	
60.483-1a	Alternative standards for valves-allowable percentage of valves leaking	Y	
60.483-2a	Alternative standards for valves-skip period leak detection and repair	Y	
60.485a	Test Methods and Procedures	Y	
60.486a	Record keeping	Y	
60.487a	Reporting	Y	
40 CFR, Part 60 Subpart GGG	**Standards of Performance for Equipment Leaks at Petroleum Refineries After January 4, 1983 and on or before November 7, 2006 (6/2/2008)**		
60.590	Applicability and designation of affected facility	Y	
60.590(a)(1)	Applicability: Affected facilities in petroleum refineries	Y	
60.590(a)(2)	Applicability: A compressor is an affected facility	Y	

IV. Source Specific Applicable Requirements

Table IV – W1
Applicable Requirements
COMPONENTS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60 590(a)(3)	Applicability: Group of all equipment (60.591 definition) within a proces unit is an affected facility	Y	
60.590(b)	Applicability : Dates of construction, reconstruction, and modification	Y	
60.590(c)	Applicability : Limitation of modifications	Y	
60.590(e)	Stay of standards [process unit definition in 60.591] and effective définition of process unit	Y	
60.591	Definitions	Y	
60.592	Standards	Y	
60.592(a)	Comply with 40 CFR, Part 60 Subpart VV, 60.482-1 through 60.482-10 no later than 180 days after initial startup of affected facility	Y	
60.592(b)	Alternatives to 40 CFR, Part 60 Subpart VV ; 60.482-7 (valve standards)	Y	
60.592(b)(1)	OPTION 1 : May elect to comply with 40 CFR, Part 60 Subpart VV, 60.483-1	Y	
60.592(b)(2)	OPTION 2 : May elect to comply with 40 CFR, Part 60 Subpart VV, 60.483-2	Y	
60.592(c)	Equivalency application	Y	
60.592(d)	Comply with 40 CFR, Part 60 Subpart VV, 60.485 except as provided in 60.593	Y	
60.592(e)	Comply with 40 CFR, Part 60 Subpart VV, 60.486 and 60.487	Y	
60.593	Exceptions	Y	
60.593(a)	Allowable exceptions to 40 CFR, Part 60 Subpart VV	Y	
60.593(b)(1)	Exception for compressors in hydrogen service	Y	
60.593(b)(2)	Compressors in hydrogen service - Determination requirements	Y	
60.593(b)(3)(i)	Compressors in hydrogen service – Engineering judgment. Method for dispute resolution	Y	
60.593(b)(3)(ii)	Compressors in hydrogen service – procedure for modifying service determination	Y	
60.593(c)	Allowable exceptions for existing reciprocating compressors	Y	
60.593(d)	Allowable methods for determining light liquid service	Y	
60.593(f)	Exceptions for open-ended valves or lines containing asphalt	Y	
40 CFR, Part 60 Subpart GGGa	**Standards of Performance for Equipment Leaks at Petroleum Refineries After November 7, 2006 (6/2/2008)**		
60.590a	Applicability and designation of affected facility	Y	

IV. Source Specific Applicable Requirements

Table IV – W1
Applicable Requirements
COMPONENTS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.590a(a)(1)	Applicability: Affected facilities in petroleum refineries	Y	
60.590a(a)(2)	Applicability: A compressor is an affected facility	Y	
60 590a(a)(3)	Applicability: Group of all equpment (60.591 definition) within a proces unit is an affected facility	Y	
60.590a(b)	Applicability : Dates of construction, reconstruction, and modification	Y	
60.590a(c)	Applicability : Limitation of modifications	Y	
60.590a(e)	Stay of standards [process unit definition in 60.591] and effective définition of process unit	Y	
60.591a	Definitions	Y	
60.592a	Standards	Y	
60.592a(a)	Comply with 40 CFR, Part 60 Subpart VVa, 60.482-1a through 60.482-10a no later than 180 days after initial startup of affected facility	Y	
60.592a(b)	Alternatives to 40 CFR, Part 60 Subpart VVa; 60.482-7a (valve standards)	Y	
60.592a(b)(1)	OPTION 1 : May elect to comply with 40 CFR, Part 60 Subpart VVa, 60.483-1a	Y	
60.592a(b)(2)	OPTION 2 : May elect to comply with 40 CFR, Part 60 Subpart VVa, 60.483-2a	Y	
60.592a(c)	Equivalency application	Y	
60.592a(d)	Comply with 40 CFR, Part 60 Subpart VVa, 60.485a except as provided in 60.593	Y	
60.592a(e)	Comply with 40 CFR, Part 60 Subpart VVa, 60.486a and 60.487a	Y	
60.593a	Exceptions	Y	
60.593a(a)	Allowable exceptions to 40 CFR, Part 60 Subpart VVa	Y	
60.593a(b)(1)	Exception for compressors in hydrogen service	Y	
60.593a(b)(2)	Compressors in hydrogen service - Determination requirements	Y	
60.593a(b)(3)(i)	Compressors in hydrogen service – Engineering judgement. Method for dispute résolution	Y	
60.593a(b)(3)(ii)	Compressors in hydrogen service – procedure for modifying service determination	Y	
60.593a(c)	Allowable exceptions for existing reciprocating compressors	Y	
60.593a(d)	Allowable methods for determining light liquid service	Y	
60.593a(f)	Exceptions for open-ended valves or lines containing asphalt	Y	
60.593a(g)	Exceptions for connectors in gas/vapor or light liquid service	Y	

IV. Source Specific Applicable Requirements

Table IV – W1
Applicable Requirements
COMPONENTS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
40 CFR, Part 61 Subpart FF	**NESHAP, Benzene Waste Operations (12/4/03) Requirements for Equipment Leaks**		
61.345(a)(1)(i)	Standards: Containers, Covers and Openings, no detectable emissions (< 500 ppmv); annual inspection	Y	
61.345(b)	Standards: Containers, Covers and Openings, quarterly visible inspection for leaks	Y	
61.345(c)	Standards: Containers, Covers and Openings, repair requirements if detectable emissions measured or leak detected	Y	
61.347(a)(1)(i)(A)	Standards: Oil Water Separators, cover and openings, no detectable emissions (< 500 ppmv); annual inspection	Y	
61.350	Delay of repair	Y	
61.355(h)	Test methods for no detectable emissions	Y	
61.356(h)	Records of tests for no detectable emissions	Y	
61.357(d)(8)	Reports of inspections where detectable emissions measured	Y	
40 CFR, Part 63 Subpart CC	**National Emission Standards for Hazardous Air Pollutants from Petroleum Refineries (6/23/03)**		
63.640(a)	Applicability	Y	
63.640(p)	Overlap of subpart CC with other regulations for equipment leaks.	Y	
63.642(e)	Keep records for 5 years	Y	
63.648(a)	Equipment Leak Standards--Existing source comply with 40 CFR, Part 60 Subpart VV.	Y	
63.648(g)	Equipment Leak Standards—Exemption – certain reciprocating pumps	Y	
63.648(h)	Equipment Leak Standards—Record retention; 5 years	Y	
63.648(i)	Equipment Leak Standards—Exemption – certain reciprocating compressors	Y	
63.654(d)	Recordkeeping and reporting – Equipment leaks	Y	
BAAQMD Condition 1240			
Part I.14	Facility Limits (cumulative increase)	Y	
Part I.18	Cumulative Increase Monitoring (Cumulative Increase)	Y	
Part I.18a	NMHC and NOx estimates (Cumulative Increase)	Y	
Part I.18b	Fugitive NMHC Emission Calculations (cumulative increase)	Y	
Part I.18j	Summary of Emissions Estimates (cumulative increase)	Y	

IV. Source Specific Applicable Requirements

.

Table IV - X
Source-specific Applicable Requirements
A17- Asphalt Loading Rack Incinerator

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 1	**General Provisions and Definitions (7/19/2006)**		
1-523	Parametric Monitoring and Recordkeeping Procedures	N	
1-523.1	Parametric monitor periods of inoperation	Y	
1-523.2	Limits on periods of inoperation	Y	
1-523.3	Reports of Violations	N	
1-523.4	Records	Y	
1-523.5	Maintenance and calibration	N	
SIP Regulation 1	**General Provisions and Definitions (6/28/1999)**		
1-523	Parametric Monitoring and Recordkeeping Procedures	Y	
1-523.3	Reports of Violations	Y	
BAAQMD Regulation 6, Rule 1	**Particulate Matter, General Requirements (12/5/2007)**		
6-1-301	Ringelmann #1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310	Particulate Weight Limitation	N	
6-1-401	Appearance of Emissions	N	
6-1-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/1998)**		
6-301	Ringelmann #1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-401	Appearance of Emissions	Y	
6-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions	Y	
BAAQMD Regulation 8, Rule 6	**Organic Compounds-Organic Liquid Bulk Terminals and Bulk Plants (2/2/1994)**		
8-6-301	Bulk Terminal Limitations	Y	

IV. Source Specific Applicable Requirements

Table IV - X
Source-specific Applicable Requirements
A17- Asphalt Loading Rack Incinerator

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Condition 1240			
Part I.5	Asphalt plant Heat Input Limit (Cumulative Increase)	Y	
Part I.6	Prohibition against combustion of fuel oil or diesel fuel (cumulative increase)	Y	
Part I.14	Facility Limits (Cumulative Increase)	Y	
Part I.18	Cumulative Increase Monitoring (Cumulative Increase)	Y	
Part I.18a	NMHC and NOx estimates (Cumulative Increase)	Y	
Part I.18g	Estimates of NMHC emissions from combustion sources (Cumulative Increase)	Y	
Part I.18i	Estimates of NOx emissions from combustion sources (Cumulative Increase)	Y	
Part I.18j	Summary of emissions estimates and reports of non-compliance (Cumulative Increase)	Y	
Part I.19	1570F Minimum Operating Temperature and monitoring (2-6-503)	Y	
Part I.19a	Allowable temperature excursions (2-1-403)	Y	
Part I.19b	Recordkeeping for allowable temperature excursions (2-1-403)	Y	
Part I.19c	Temperatures above the limit (2-1-403)	Y	
Part I.19d	Initial source test requirement (Cumulative Increase)	Y	
Part I.19e	Approval for source test procedures (RACT, Cumulative Increase)	Y	
Part II.8	Control Requirement for S17 (Cumulative Increase)	Y	
Part II.65	Abatement Requirements for S17 (Cumulative Increase, BACT)	Y	
Part II.68	Destruction Efficiency Requirement for S17 (Cumulative Increase, BACT)	Y	

IV. Source Specific Applicable Requirements

Table IV - Y
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 (7/19/2006)**		
1-107	Combination of Emissions	Y	
1-523	Parametric Monitoring and Recordkeeping Procedures	N	
1-523.1	Parametric monitor periods of inoperation	Y	
1-523.2	Limits on periods of inoperation	Y	
1-523.3	Reports of Violations	N	
1-523.4	Records	Y	
1-523.5	Maintenance and calibration	N	
SIP Regulation 1	**General Provisions and Definitions (6/28/1999)**		
1-523	Parametric Monitoring and Recordkeeping Procedures	Y	
1-523.3	Reports of Violations	Y	
BAAQMD Regulation 6, Rule 1	**Particulate Matter, General Requirements (12/5/2007)**		
6-1-301	**Ringelmann #1 Limitation**	**N**	
6-1-305	Visible Particles	N	
6-1-310	Particulate Weight Limitation	N	
6-1-401	Appearance of Emissions	N	
6-1-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/1998)**		
6-301	Ringelmann #1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-401	Appearance of Emissions	Y	
6-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions	Y	
BAAQMD Regulation 8, Rule 5	**Organic Compounds, Storage of Organic Liquids (10/18/2006)**		
8-5-118	Limited exemption, gas tight requirement	N	
8-5-306	Requirements for Approved Emission Control Systems	N	
8-5-306.1	Requirements for Approved Emission Control Systems; Abatement efficiency >= 95%	N	

IV. Source Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-5-404	Inspection, Abatement Efficiency Determination, and Source Test Reports	N	
8-5-502	Source test requirements; Approved Emission Control Systems	N	
8-5-502.1	Source test requirements; Approved Emission Control Systems for 8-5-306.1; Annual source tests	N	
8-5-603	Determination of abatement efficiency	N	
SIP Regulation 8, Rule 5	**Storage of Organic Liquids (06/05/2003)**		
8-5-306	Requirements for Approved Emission Control Systems; gas tight and >= 95% abatement	Y	
8-5-503	Portable hydrocarbon detector for 8-5-306	Y	
8-5-603	Determination of Emissions	Y	
8-5-603.1	Determination of Emissions for 8-5-306	Y	
8-5-605	Gas tight determination for 8-5-306	Y	
BAAQMD Regulation 8, Rule 6	**Organic Liquid Bulk Terminals And Bulk Plants (2/2/1994)**		
8-6-301	Bulk Terminal Limitations	Y	
BAAQMD Regulation 8, Rule 8	**Wastewater Collection and Separation Systems (9/15/2004)**		
8-8-301	Wastewater separators designed rated capacity greater than 760 liters per day (200 gal/day) and smaller than 18.9 liters per second (300 gal/min)	Y	
8-8-301.3	Wastewater separators > 200 gpd and < 300 gpm: An organic compound vapor recovery system with a combined collection and destruction efficiency of at least 95 percent by weight.	N	
8-8-305	Oil-Water Separator and/or Air Flotation Unit Slop Oil Vessels	Y	
8-8-305.2	Oil-Water Separator and/or Air Flotation Unit Slop Oil Vessels; An organic compound vapor recovery system with a combined collection and destruction efficiency of at least 70 percent by weight	N	
8-8-602	Determination of Emissions	N	

IV. Source Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
SIP Regulation 8, Rule 8	**Wastewater (Oil-Water) Separators (8/29/1994)**		
8-8-301.3	Wastewater separators > 200 gpd and < 300 gpm: An organic compound vapor recovery system with a combined collection and destruction efficiency of at least 95 percent by weight.	Y	
8-8-305.2	Oil-Water Separator and/or Air Flotation Unit Slop Oil Vessels; An organic compound vapor recovery system with a combined collection and destruction efficiency of at least 70 percent by weight	Y	
8-8-602	Determination of Emissions	Y	
BAAQMD Regulation 10	**New Source Performance Standards Incorporation by Reference (2/16/00)**		
10-17	40 CFR, Part 60 Subpart Kb	Y	
10-51	40 CFR, Part 60 Subpart UU	Y	
40 CFR, Part 60, Subpart Kb	**New Source Performance Standard for Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction or Modification Commenced After July 23, 1984. (10/15/03) Requirements for Control Devices**		
60.112b(a)(3)(ii)	Standard for Volatile Organic Compounds (VOC); Closed vent system and control device >= 95% inlet VOC emission reduction	Y	
60.113b(c)	Testing and Procedures; Closed vent system and control device (not flare)	Y	
60.113b(c)(1)	Testing and Procedures; Closed vent system and control device (not flare) operating plan submission	Y	
60.113b(c)(1)(i)	Testing and Procedures; Closed vent system and control device (not flare) operating plan--efficiency demonstration	Y	
60.113b(c)(1)(ii)	Testing and Procedures; Closed vent system and control device (not flare) operating plan--monitoring parameters	Y	
60.113b(c)(2)	Testing and Procedures; Closed vent system and control device (not flare) operate in accordance with operating plan	Y	
60.115b(c)(1)	Reporting and Recordkeeping Requirements; Closed vent system and control device (not flare) operating plan copy	Y	
60.115b(c)(2)	Reporting and Recordkeeping Requirements; Closed vent system and control device (not flare) operating records	Y	
60.116b(a)	Monitoring of Operations; Record retention	Y	

IV. Source Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
40 CFR, Part 60, Subpart UU	**Standards of Performance for Asphalt Processing and Asphalt Roofing Manufacture (10/17/00)**		
60.470(a)	Applicability and designation of affected facilities; asphalt storage tanks	Y	
60.470(b)	Applicability and designation of affected facilities; asphalt storage tanks	Y	
60.472(c)	Asphalt plant tank opacity standard	Y	
60.473(c)	Parametric monitoring	Y	
60.473(d)	Exemption from quarterly reports	Y	
60.474(c)(5)	Test methods and procedures; use Method 9 and 60.11 to determine opacity	Y	
BAAQMD Condition 1240			
Part I.5	Asphalt plant Heat Input Limit (Cumulative Increase)	Y	
Part I.6	Prohibition against combustion of fuel oil or diesel fuel (cumulative increase)	Y	
Part I.14	Facility Limits (Cumulative Increase)	Y	
Part I.18	Cumulative Increase Monitoring (Cumulative Increase)	Y	
Part I.18a	NMHC and NOx estimates (Cumulative Increase)	Y	
Part I.18g	Estimates of NMHC emissions from combustion sources (Cumulative Increase)	Y	
Part I.18i	Estimates of NOx emissions from combustion sources (Cumulative Increase)	Y	
Part I.18j	Summary of emissions estimates and reports of non-compliance (Cumulative Increase)	Y	
Part II.32a	Control and Destruction Efficiency Requirement for S3, S5, S6, S7, S8, S13, S31, S37, S38, S41, S51, S52, S53, S54, S59, S60, S61, S62, S63, S65, S66, S70 (Regulation 8-5-306, NSPS, Cumulative Increase, BACT, Toxics)	Y	
Part II.58b	Continuous Temperature Monitoring (40 CFR, Part 60.113b(c)(1)(ii) and 60.113b(c)(2); 40 CFR, Part 60.473(c); Regulation 2-6-409.2.2, 2-6-414)	Y	
Part II.58c	Allowable temperature excursions (2-1-403)	Y	
Part II.58d	Recordkeeping for allowable temperature excursions (2-1-403)	Y	
Part II.58e	Temperature excursion only applies when below limit (2-1-403)	Y	
Part II.58f	Operational conditions for temperature excursions (2-1-403)	Y	

IV. Source Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6, Rule 1	**Particulate Matter, General Requirements (12/5/2007)**		
6-1-303	Ringelmann #2 Limitation	N	
6-1-303.1	Standby sources of power	N	
6-1-305	Visible Particles	N	
6-1-310	Particulate Weight Limitation	N	
6-1-401	Appearance of Emissions	N	
6-1-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/1998)**		
6-303	Ringelmann #2 Limitation	Y	
6-303.1	Standby sources of power	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-401	Appearance of Emissions	Y	
6-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions	Y	
BAAQMD · Regulation 9 Rule 1	**Inorganic Gaseous Pollutants, Sulfur Dioxide Emissions Limitations (3/15/1995)**		
9-1-304	Fuel Burning (Liquid and Solid Fuels)	Y	
BAAQMD · Regulation 9 Rule 8 ·	**Inorganic Gaseous Pollutants, NOx and CO from Stationary IC Engines (07/25/2007)**		
9-8-110.5	Exemptions: Emergency Standby Engines	Y	
9-8-330	Emergency Standby Engines, Hours of Operation	N	
9-8-330.1	Emergency Standby Engines, Hours of Operation	N	
9-8-330.2	Emergency Standby Engines, Hours of Operation	N	
9-8-330.3	Emergency Standby Engines, Hours of Operation	N	1/1/2012
9-8-530	Emergency Standby Engines, Monitoring and Recordkeeping	N	
9-8-530.1	Hours of operation (total)	N	
9-8-530.2	Hours of operation (emergency)	N	
9-8-530.3	Nature of emergency condition	N	

IV. Source Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
CCR, Title 17, Section 93115	**ATCM for Stationary Compression Ignition Engines (10/18/2007)**		
93115.5	Fuel and Fuel Additive Requirements for New and In-Use Stationary CI Engines That Have a Rated Brake Horsepower of Greater than 50 bhp	N	
93115.5(b)	Fuel requirements for in-use emergency standby stationary diesel-fueled CI engines	N	
93115.5(b)(1)	Must use CARB Diesel Fuel	N	
93115.6	ATCM for Stationary CI Engines – Emergency Standby Diesel-Fueled CI Engine (>50 bhp) Operating Requirements and Emission Standards	N	
93115.6(b)	In-Use Emergency Standby Diesel-Fueled CI Engine (> 50 bhp) Operating Requirements and Emission Standards	N	
93115.6(b)(3)	Emission and operation standards	N	
93115.6(b)(3)(A)	Diesel PM Standard and Hours of Operation Limitations	N	
93115.6(b)(3)(A)(1)	General Requirements	N	
93115.6(b)(3)(A)(2)(b)	Operating for maintenance and testing limited to 50 hrs/year when PM emitted at a rate $\leq$ 0.15 g/bhp-hr, except as provided in 93115.6(b)(3)(A)(2), excluding operating for emergency use and emissions testing	N	
93115.6(b)(3)(A)(2)(b)	Operation for maintenance and testing allowed to be 50 hrs/year when PM emitted at a rate $\leq$ 0.15 g/bhp-hr	N	
BAAQMD Condition 1240			
Part I.6	Prohibition against combustion of fuel oil or diesel fuel (cumulative increase)	Y	
Part I.14	Facility Limits (Cumulative Increase)	Y	
Part I.18	Cumulative Increase Monitoring (Cumulative Increase)	Y	
Part I.18a	NMHC and NOx estimates (Cumulative Increase)	Y	
Part I.18g	Estimates of NMHC emissions from combustion sources (Cumulative Increase)	Y	
Part I.18i	Estimates of NOx emissions from combustion sources (Cumulative Increase)	Y	

IV. Source Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part I.18j	Summary of emissions estimates and reports of non-compliance (Cumulative Increase)	Y	
BAAQMD Condition 18796			
Part 1	Sulfur content of fuel (Cumulative Increase)	Y	
BAAQMD Condition 22928			
Part 1	Operating for reliability-related activities is limited to 50 hours per year. (Basis: "Stationary Diesel Engine ATCM", CA Code of Regulations, Title 17, Section 93115.6(b)(3)(A)(2)(b))	Y	
Part 2	Equipment Requirements (Basis: BAAQMD Regulation 9-8-530, "Stationary Diesel Engine ATCM", CA Code of Regulations, Title 17, Section 93115.10(e)(1))	Y	
Part 3	Recordkeeping ((Basis: BAAQMD Regulation 9-8-530, 2-6-501, and "Stationary Diesel Engine ATCM", CA Code of Regulations, Title 17, Section 93115.10(g)	Y	

V. SCHEDULE OF COMPLIANCE

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

VI. PERMIT CONDITIONS

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

Condition #1240
For All Sources

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

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

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

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

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

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

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

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

Pursuant to permit application #21641 (March, 2010), A17 (H46100) is separated from A4 (H4606). A17 will continue to abate S17 Asphalt Truck Loading Rack. A4 will be shut down and serve as an emission stack downstream of A17.

VI. Permit Conditions

I. ASPHALT PLANT CONDITIONS
S18 Crude Unit with Amended by Application 19193

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

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

3. The owner/operator of S-18 Crude Unit shall vent its emissions to the refinery fuel gas recovery system S-9 at all times. (cumulative increase, toxics).

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

5. The maximum heat input to all asphalt plant combustion units except S68, Emergency Diesel-Powered Firewater Pump, shall not exceed a total of 93.6 MM BTU/Hr. Compliance will be determined from the daily reading of the PG&E natural gas flow meter . 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)

5a. The owner/operator of S-19 shall only use natural gas and the maximum heat input to S19, Vacuum Heater, shall not exceed 40 MMbtu/hr. (cumulative increase)
5b. CO emissions in the exhaust of S19, Vacuum Heater, shall not exceed 50 ppmvd at 3% oxygen over any one-hour period. (cumulative increase, BACT)
5c. CO emissions in the exhaust of S19, Vacuum Heater, shall not exceed 1.47 lb/hr over any one-hour period. (cumulative increase, BACT)

6. Fuel oil and/or diesel fuel shall not be combusted in the asphalt plant's heaters or boilers or other combustion sources except for S68, Emergency Diesel-powered Firewater Pump and S71, Emergency Diesel-powered Air Compressor. (cumulative increase) (modified 8/12/99, 4/24/02, 4/19/06)

VI. Permit Conditions

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

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

9. Deleted 06/02/98.

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

11. Contingent up EPA's approval of 40 CFR 60, Subpart Ja – Standards of Performance for Petroleum Refineries, the owner/operator shall submit a permit application the District for NOx and flaring applicability and revise the Title V permit if necessary. (Regulation 2-1-403).

12. Deleted (vacuum exhaust routed from S19, Vacuum Heater to refinery fuel gas recovery system, S9, Facility B2626)

13. Deleted (vacuum exhaust routed from S19, Vacuum Heater to refinery fuel gas recovery system, S9, Facility B2626)

14. Total asphalt plant emissions shall not exceed the limits listed below:
a. Non-Methane Hydrocarbons..... 42.705 tons/yr
b. Sulfur Dioxide, SO2..... .. 28.049 tons/yr
c. Nitrogen Oxides, as NO2..... 40.047 tons/yr
(Cumulative Increase)

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

16a. The permit holder shall perform a source test at S19, Vacuum Heater, every 6 months to determine compliance the NOx limit in part I.8 of this condition, and the CO limit in parts I.5b and I.5c of this condition. The source test shall be performed at the highest duty possible for the prevailing process conditions. All source testing shall be done in accordance with the District's Manual of Procedures. The facility shall receive approval from the District's Source Test Manager for installation of test ports and source testing procedures. The results shall be delivered to the District no later than 60 days from the date of the source test. (Cumulative Increase, BACT)

VI. Permit Conditions

16b. Deleted (vacuum exhaust routed from S19, Vacuum Heater to refinery fuel gas recovery system, S9, Facility B2626)

17. A/C source test condition, deleted.

18. To assure compliance with part I.14 of Condition 1240, the permit holder shall perform the following monitoring on a semi-annual basis, starting on January 1 of each year.
18a. The permit holder shall estimate emissions of Non-methane hydrocarbons (NMHC) and nitrogen oxides for each quarter.
18b. The permit holder shall estimate fugitive NMHC emissions from valves, flanges, pumps, and compressors using the draft "California Implementation Guidelines for Estimating Mass Emissions of Fugitive Hydrocarbon Leaks at Petroleum Facilities" dated February 1999, or later version.
18c. The permit holder shall estimate tank NMHC emissions from the following tanks using the most recent version of EPA's "Tanks" program or EPA publication AP-42: S3, S5-S9, S13, S37, S38, S51-S53, S59-S63, S65, S70.
18d. The permit holder shall estimate NMHC emissions from the following loading racks using EPA publication AP-42: 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***:*** S27, S41, S66, S67. The permit holder may use maximum potential to emit in place of measured throughput.
18f. The permit holder shall estimate NMHC emissions from the following combustion sources: S19-S21. The permit holder shall use fuel measurements for each fuel, the F-factor method in EPA Method 19, and the average concentration in the last source test for these estimates.
18g. The permit holder shall estimate NMHC emissions from the following combustion sources: S24, S34, A17, A31. The permit holder shall use the maximum capacity as an estimate of the fuel usage, and the appropriate emission factor from EPA publication AP-42. The permit holder shall estimate NMHC emissions from S68 and S71. The permit holder shall use the maximum capacity as an estimate of the fuel usage, the actual hours of operation, and the appropriate emission factor from EPA publication AP-42.
18h. The permit holder shall estimate emissions of nitrogen oxides (NOx) from the following combustion sources: S19-S21. The permit holder shall use fuel measurements for each fuel, the F-factor method in EPA Method 19, and the average concentration in the last source test for these estimates.
18i. The permit holder shall estimate emissions of nitrogen oxides (NOx) from the following combustion sources: S24, S34, A17, A31. The permit holder shall use the maximum capacity as an estimate of the fuel usage, and the appropriate emission factor from EPA publication AP-42. The permit holder shall estimate NOx emissions from S68 and S71. The permit holder shall use the maximum capacity as an estimate of the fuel

VI. Permit Conditions

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. The Owner/Operator shall install continuous temperature monitoring and recording device for A17, Incinerator. The Owner/Operator shall operate A17, Incinerator at a minimum temperature of 1570F. The District may adjust this minimum temperature, if source test data demonstrates that an alternate temperature is necessary for or capable of maintaining compliance with Part II.68. (2-6-503)

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

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

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

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

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

VI. Permit Conditions

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

(basis: Regulation 2-1-403)

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

19d. The owner/operator shall conduct District approved source tests at A-17 to determine initial compliance with the limits in parts II.68. The owner/operator shall submit the source test results to the District staff no later than 60 days after the source test. (basis: Cumulative Increase)

19e. The owner/operator shall obtain approval for all source test procedures from the District's Source Test Section prior to conducting any tests. The owner/operator shall comply with all applicable testing requirements as specified in Volume V of the District's Manual of Procedures. The owner/operator shall notify the District's Source Test Section, in writing, of the source test protocols and projected test dates at least 7 days prior to testing. (basis: RACT, Cumulative Increase)

20. Deleted Application 9297

II. TANKAGE AND LOADING RACK CONDITIONS:

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

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

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

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

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

6. Deleted (basis: requirement no longer applicable since exhaust from S18 Crude Unit routed from the S19, Vacuum Heater to the refinery fuel gas recovery system, S9, Facility B2626)

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

VI. Permit Conditions

8. The owner/operator shall abate emissions from Source S-17 with Abatement device A-17, Incinerator during all periods of loading operation. (Cumulative Increase)

9. Deleted 08/12/99.

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

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

Conditions 11-24 Deleted in Revision 2. Ownership of S1, S2, S4, and S23 transferred to Facility B5574 by Application No. 7980/8915.
S9 Internal Floating Roof Tank, TK-7; Capacity:
571,200 Gallons, White, Storing: Naphtha equipped with a mechanical shoe primary seal, rim mounted secondary seal, and welded deck

25. Material other than Naphtha may be throughput to or stored in S9, if all of the following are satisfied:
a. the storage of each material complies with all other conditions applicable to this source
b. the storage of each material complies with all other applicable regulatory requirements
c. the permittee keeps District approved records that demonstrate to the District's satisfaction that no toxin listed in Table 2-5-1 is emitted from S9 in an amount in excess of the toxin's respective trigger level set forth in Table 2-5-1. (cumulative increase, toxics)

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

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

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

VI. Permit Conditions

toxics)

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

S13 Fixed Roof Storage Tank (TK-8); Capacity: 88,000 Gallons, Storing: Kerosene, Light or Heavy Vacuum Gas Oil, and Asphalt abated by (either) A3 or A20 Mist Eliminator F-10 or F-500 and A31 Thermal Oxidizer H-4607. If A31 and the vapor recovery blower are inoperative, S13 emissions shall be contained in a District approved closed vent system as specified in Parts 94 and 96. Alternately, S13 emissions shall be vented to source S24, Hot Oil Heater (H-4603), as a backup until A31 is operating. (cumulative increase)

S59 Fixed Roof Storage Tank (TK-5); Capacity: 1,050,000 Gallons, Storing: Kerosene, Light or Heavy Vacuum Gas Oil and Asphalt, abated by A1 or A3 Mist Eliminator F-8 (or) F-10 and A31 Thermal Oxidizer H-4607. If A31 and the vapor recovery blower are inoperative, S59 emissions shall be contained in a District approved closed vent system as specified in Parts 93 and 96. Alternately, S59 emissions shall be vented to S24, Hot Oil Heater (H-4603), as a backup until A31 is operating. (cumulative increase)

S63 Kerosene/Light Vacuum Gas Oil/Heavy Vacuum Gas Oil/Asphalt Storage Tank, Fixed Roof, TK-31, Capacity: 1,218,000 Gallons abated by A3 or A20 Mist Eliminator F-10 or F-500 and A31 Thermal Oxidizer H-4607. If A31 and the vapor recovery blower are inoperative, S69 emissions shall be contained in a District approved closed vent system as specified in Parts 94 and 96. Alternately, S63 emissions shall be vented to S24, Hot Oil Heater (H-4603), as a backup until A31 is operating. (cumulative increase)

30. Petroleum materials other than Kerosene, Light or Heavy Vacuum Gas Oil, and Asphalt may be stored in S13, S59, and S63 if all of the following are satisfied:
a. the storage of each petroleum material complies with all other conditions applicable to S13, S59, or S63.
b. the storage of each petroleum material complies with all other applicable regulatory requirements
c. the permittee keeps District approved records which demonstrate to the District's satisfaction that no toxin listed in Table 2-5-1 is emitted from S13, S59, or S63 in an amount in excess of the toxin's respective trigger level set forth in Table 2-5-1.
(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)

VI. Permit Conditions

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

32a. The owner/operator shall maintain and operate A31 Thermal Oxidizer H-4607 or S24 Hot Oil Heater H-4603; with an overall collection and destruction efficiency of at least 98.5%, by weight whenever petroleum and VOC materials are stored and/or transferred at S3, S5, S6, S7, S8, S13, S31, S37, S38, S41, S51, S52, S53, S54, S59, S60, S61, S62, S63, S65, S66 and S70. (Regulation 8-5-306, NSPS, and cumulative increase, BACT, toxics)

32b. Deleted. Combined with Condition 1240.II.Part 32a

32c. Deleted. Combined with Condition 1240.II.Part 32a
32d. Deleted. Redundant with Regulation 8-18.

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

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

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

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

35. Deleted May, 2001

36. Deleted May, 2001

VI. Permit Conditions

37. Deleted May, 2001

38. Deleted May, 2001

39. Deleted May, 2001

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

40. Materials other than Heavy Gas Oil may be stored in S3, if all of the following are satisfied:
a. the storage of each petroleum material complies with all other conditions applicable to S3
b. the storage of each petroleum material complies with all other applicable regulatory requirements
c. the permittee keeps District approved records that demonstrate to the District's satisfaction that no toxin listed in Table 2-5-1 is emitted from S3 in an amount in excess of the toxin's respective trigger level set forth in Table 2-5-1. (cumulative increase, toxics)

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

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

43. Deleted. Combined with Part 32a.
44. Deleted. Redundant with Regulation 8-18.

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

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

VI. Permit Conditions

made available to the District staff on request. (cumulative increase)

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

S5 Asphalt Storage Tank, Fixed Roof, TK-2A, Capacity: 3,415,000 Gallons abated by either A1 or A3 Mist Eliminator F-8 or F-10 and A31 Thermal Oxidizer H-4607. If A31 and the vapor recovery blower are inoperative, S5 emissions shall be contained in a District approved closed vent system as specified in Parts 93 and 96. Alternately, S5 emissions shall be vented to source S24, Hot Oil Heater (H-4603), as a backup until A31 is operating. (cumulative increase)

S6 Asphalt Storage Tank, Fixed Roof, TK-2B, Capacity:
3,415,000 Gallons abated by either A1 or A3 Mist Eliminator F-8 or F-10 and A31 Thermal Oxidizer H-4607. If A31 and the vapor recovery blower are inoperative, S6 emissions shall be contained in a District approved closed vent system as specified in Parts 93 and 96. Alternately, S6 emissions shall be vented to source S24, Hot Oil Heater (H-4603), as a backup until A31 is operating. (cumulative increase)

S7 Asphalt Storage Tank, Fixed Roof, TK-3, Capacity:
1,050,000 Gallons abated by either A1 or A3 Mist Eliminator F-8 or F-10 and A31 Thermal Oxidizer H-4607. If A31 and the vapor recovery blower are inoperative, S7 emissions shall be contained in a District approved closed vent system as specified in Parts 93 and 96. Alternately, S7 emissions shall be vented to source S24, Hot Oil Heater (H-4603), as a backup until A31 is operating. (cumulative increase)

S8 Asphalt Storage Tank, Fixed Roof, TK-4, Capacity: 1,050,000 Gallons abated by either A1 or A3 Mist Eliminator F-8 or F-10 and A31 Thermal Oxidizer H-4607. If A31 and the vapor recovery blower are inoperative, S8 emissions shall be contained in a District approved closed vent system as specified in Parts 93 and 96. Alternately, S8 emissions shall be vented to source S24, Hot Oil Heater (H-4603), as a backup until A31 is operating. (cumulative increase)

S37 Asphalt Storage Tank, Fixed Roof, TK 54, Capacity: 100,000 Gallons abated by A3 or A20 Mist Eliminator F-10 or F-500 and A31 Thermal Oxidizer H-4607. If A31 and the vapor recovery blower are inoperative, S37 emissions shall be contained in a District approved closed vent system as specified in Parts 94 and 96. Alternately, S37 emissions shall be vented to source S24, Hot Oil Heater (H-4603), as a backup until A31 is operating. (cumulative increase)

S38 Asphalt Storage Tank, Fixed Roof, TK-55, Capacity:
100,000 Gallons abated by A3 or A20 Mist Eliminator F-10 or F-500 and A31 Thermal Oxidizer H-4607. If A31 and the vapor recovery blower are inoperative, S38 emissions shall be contained in a District approved closed vent system as specified in Parts 94 and

VI. Permit Conditions

96. Alternately, S38 emissions shall be vented to source S24, Hot Oil Heater (H-4603), as a backup until A31 is operating. (cumulative increase)

S51 Asphalt Storage Tank TK-506; Fixed Roof Tank, Capacity: 152,880 Gallons abated by A3 or A20 Mist Eliminator F-10 or F-500 and A31 Thermal Oxidizer H-4607. If A31 and the vapor recovery blower are inoperative, S51 emissions shall be contained in a District approved closed vent system as specified in Parts 94 and 96. Alternately, S51 emissions shall be vented to source S24, Hot Oil Heater (H-4603), as a backup until A31 is operating. (cumulative increase)

S52 Asphalt Storage Tank TK 507, Fixed Roof Tank, Capacity: 152,880 Gallons abated by A3 or A20 Mist Eliminator F-10 or F-500 and A31 Thermal Oxidizer H-4607. If A31 and the vapor recovery blower are inoperative, S52 emissions shall be contained in a District approved closed vent system as specified in Parts 94 and 96. Alternately, S52 emissions shall be vented to source S24, Hot Oil Heater (H-4603), as a backup until A31 is operating. (cumulative increase)

S53 Asphalt Storage Tank TK 508, Fixed Roof Tank, Capacity: 152,880 Gallons abated by A3 or A20 Mist Eliminator F-10 or F-500 and A31 Thermal Oxidizer H-4607. If A31 and the vapor recovery blower are inoperative, S53 emissions shall be contained in a District approved closed vent system as specified in Parts 94 and 96. Alternately, S53 emissions shall be vented to source S24, Hot Oil Heater (H-4603), as a backup until A31 is operating. (cumulative increase)

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

S61 Asphalt Storage Tank, Fixed Roof, TK-30A, Capacity:
995,400 Gallons abated by A3 or A20 Mist Eliminator F-10 or F-500
and A31 Thermal Oxidizer H-4607. If A31 and the vapor recovery blower are inoperative, S61 emissions shall be contained in a District approved closed vent system as specified in Parts 94 and 96. Alternately, S61 emissions shall be vented to source S24, Hot Oil Heater (H-4603), as a backup until A31 is operating. (cumulative increase)

S62 Asphalt Storage Tank, Fixed Roof, TK-30B, Capacity:
995,400 Gallons abated by A3 or A20 Mist Eliminator F-10 or F-500
and A31 Thermal Oxidizer H-4607. If A31 and the vapor recovery blower are inoperative, S62 emissions shall be contained in a District approved closed vent system

VI. Permit Conditions

as specified in Parts 94 and 96. Alternately, S62 emissions shall be vented to source S24, Hot Oil Heater (H-4603), as a backup until A31 is operating. (cumulative increase)

S65 Asphalt Storage Tank, Fixed Roof, TK-32 Tank Capacity: 6,920,000 Gallons abated by A3 or A20 Mist Eliminator F-10 or F-500 and A31 Thermal Oxidizer H-4607. If A31 and the vapor recovery blower are inoperative, S65 emissions shall be contained in a District approved closed vent system as specified in Parts 94 and 96. Alternately, S65 emissions shall be vented to source S24, Hot Oil Heater (H-4603), as a backup until A31 is operating. (cumulative increase)

S70 Asphalt Additive Mixing Tank, Fixed Roof, Tank Capacity: 2,200 Gallons abated by A3 or A20 Mist Eliminator F-10 or F-500 and A31 Thermal Oxidizer H-4607. If A31 and the vapor recovery blower are inoperative, S70 emissions shall be contained in a District approved closed vent system as specified in Parts 94 and 96. Alternately, S70 emissions shall be vented to source S24, Hot Oil Heater (H-4603), as a backup until A31 is operating. (cumulative increase)

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

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

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

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

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

53. Deleted. Redundant with Regulation 8-18

54. Deleted May, 2001.

55. Deleted. Combined with Part 32a.
56. Deleted. Combined with Part 32a.
57. Deleted. Combined with Part 32a.

VI. Permit Conditions

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

58a. Deleted Application 17468.

58b. The Owner/Operator shall install and properly maintain continuous temperature monitoring and recording devices for A31 (H-4607), Thermal Oxidizer and S24 (H-4603), Hot Oil Heater. The Owner/Operator shall operate A-31 with a minimum combustion zone temperature of 1400^{o}F to maintain a 98.5% destruction efficiency, whenever emissions are vented to it by one or more operational vapor recovery blowers in organic vapor service. The Owner/Operator shall operate S-24 at a minimum operating temperature of 1115^{o}F to maintain a 98.5% destruction efficiency whenever emissions are vented to it by one or more vapor recovery blowers in organic vapor service. (Source Test Requirements demonstrating compliance with the 98.5% abatement destruction efficiency and the Regulation 6-1-310 grain loading requirements were completed February 28 and 29, 2004.) (Applications 12704 for A-31 and Application 12236 for S-24 established minimum operating temperature limits) (Application 19631/19643 (2009) removed 40 CFR, Part 61 Subpart FF citations from basis. Facility has no sources controlled by A31 or S24 for compliance with 40 CFR, Part 61 Subpart FF.) (Basis: 40 CFR, Part 60.113b(c)(1)(ii) and 60.113b(c)(2); 40 CFR, Part 60.473c; Regulation 2-6-409.2.2, 2-6-414)

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

a. A temperature excursion not exceeding 20^{o}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^{o}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).

VI. Permit Conditions

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

58d. For each Allowable Temperature Excursion that exceeds 20^{o}F. and 15 minutes in duration, the Permit Holder shall keep sufficient records to demonstrate that they meet the qualifying criteria described above. Records shall be retained for a minimum of five years from the date of entry, and shall be made available to the District upon request. Records shall include at least the following information:

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

(basis: Regulation 2-1-403)

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

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

S14 Deleted (S14 is no longer in service)
59. Deleted (S14 is no longer in service)

60. Deleted (S14 is no longer in service)
61a. Deleted (S14 is no longer in service)
61b. Deleted (S14 is no longer in service)

S15 Deleted (S15 is no longer in service, the gas oil stream is routed to the Refinery for further processing)

62. Deleted (S15 is no longer in service, the gas oil stream is routed to the Refinery for further processing)

62a. Deleted (S15 is no longer in service, the gas oil stream is routed to the Refinery for further processing)

VI. Permit Conditions

62b. Deleted (S15 is no longer in service, the gas oil stream is routed to the Refinery for further processing)

63. Deleted (S15 is no longer in service, the gas oil stream is routed to the Refinery for further processing)

64a. Deleted (S15 is no longer in service, the gas oil stream is routed to the Refinery for further processing)

64b. Deleted (S15 is no longer in service, the gas oil stream is routed to the Refinery for further processing)

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

S31 Rail Car Loading Rack; 5 Loading Arms, Loading: Asphalt and Light Vacuum Gas Oil abated by A6 Mist Eliminator F-3 and A31 Thermal Oxidizer H-4607. If A31 and the vapor recovery blower are inoperative, S31 emissions shall be contained in a District approved closed vent system as specified in Parts 94 and 96. Alternately, S31 emissions shall be vented to source S24, Hot Oil Heater (H-4603), as a backup until A31 is operating. (cumulative increase)

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

65. S17 shall be abated by A2 Mist Eliminator F-9 and A17 Incinerator H-46100 at all times that materials are transferred at S17. (cumulative increase)

66. [Deleted. Combined with part 32a]

67. [Deleted. Combined with part 32a]

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 A17 Incinerator H-46100 with a destruction efficiency of at least 98.5%, by weight, as measured across A17. (cumulative increase, BACT)

69. Deleted. Combined with Part 32a.

70. Deleted. Combined with Part 32a.

VI. Permit Conditions

71. The true vapor pressure of the materials transferred at or sampled from S17 and/or S 54 shall not exceed 0.5 psia except for 5,500 Barrels per year of kerosene when required to produce medium-cure cutback asphalt products. (cumulative increase, offsets)

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

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

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

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

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

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

76. Deleted May, 2001.

77. Deleted May, 2001.

78. Deleted May, 2001.

79. Deleted May, 2001.

80. Deleted May, 2001.

VI. Permit Conditions

81. Deleted May, 2001.

82. Deleted May, 2001.

S66 Oil Water Separator, Physical Capacity: 830 GPM, Permitted Capacity: 210 GPM abated by (either) A1 or A3 Mist Eliminator F-8 or
F-10 and A31 Thermal Oxidizer H-4607. If A31 and the vapor recovery blower are inoperative, S66 emissions shall be contained in a District approved closed vent system as specified in Parts 93 and 96. Alternately, S66 emissions shall be vented to source S24, Hot Oil Heater (H-4603), as a backup until A31 is operating. (cumulative increase)

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

84. The cover and each access opening at S66 shall be equipped with a gasketed, vapor tight cover (as defined in Regulation 8, Rule 8). Each cover and access opening shall be kept closed and sealed except when the opening is being used for inspection, maintenance, or wastewater sampling. (basis: Reg. 8, Rule 8)

85. Deleted. Combined with Part 32a.

86. Deleted. Redundant with Regulation 8-18.

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. Deleted 2001.

S16 Truck Loading Rack-Heavy Vacuum Gas Oil

90. The true vapor pressure of the materials transferred at and/or sampled from S16 shall

VI. Permit Conditions

not exceed 0.49 psia. (cumulative increase)

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

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

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

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

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

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

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

VI. Permit Conditions

water column), A-31 or S-24 shall be restarted and emissions conveyed to it by the blower. (basis: cumulative increase)

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

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

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

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

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

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

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

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

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

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

VI. Permit Conditions

hatch has been repaired.

*c. Third occurrence in a rolling twelve-month period: the permit holder will not load the truck. The permit holder will also notify the driver and dispatcher, verbally and in writing, that the truck will not be loaded until the hatch has been repaired, and the repair has been inspected or repair documentation has been received by the permit holder to ensure that the hatch is in proper working order.

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

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

V. OTHER SOURCES

S24 Hot Oil Heater H-4603; Max Firing Rate 9 MM BTU/hr
1. Respective emissions of nitrogen oxides, and carbon monoxide (CO) from S24 shall not exceed 30 ppm and 50 ppm at 3% O2. (Cumulative Increase)

Condition #18796
For S68 and S71, Emergency Diesel-powered Firewater Pump and Air Compressor

*1. The engine for emergency firewater pump S-68 and the engine for emergency air compressor S71 shall be fired exclusively on diesel fuel having a sulfur content no greater than 0.05% by weight. The sulfur content of the fuel oil shall be certified by the fuel oil vendor. (Basis: Cumulative Increase)

Condition# 19329
For Sources S20, S21, Steam Boilers
APPLICATION 16937 for B2626 (Jan 2009), VIP Amendments. Condition to be deleted upon expiration of NOx IERCs

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

VI. Permit Conditions

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

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

Valero Asphalt Plant (Plant # ~~1~~A0901)
S-20 Steam Boiler: H-2A, 14.7 MMBtu/Hr
S-21 Steam Boiler: H-2B, 14.7 MMBtu/Hr

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

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

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

VI. Permit Conditions

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

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

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

3. Deleted. Combined with Condition 1240, Part II.32a.

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

5. Deleted 2004 reopening.

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

   a. Total daily throughput of modified asphalt at S-70 and additives at S-69
   b. Deleted 2004 reopening.
   c. The daily throughput of product shall be totaled on a monthly basis.
   d. Results of all visible emissions checks and any corrective action
   (Basis: Regulation 2-6-501)

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

VI. Permit Conditions

Condition 20762
For Refinery and Asphalt Plant:

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

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

2. Whenever the type of organic liquid in the tank is changed to a liquid with the true vapor pressure at the storage temperature greater than 25.8 mm Hg (0.5 psia), the owner/operator shall comply with all the requirements of Regulation 8-5 prior to making the change. (Basis: Regulation 8, Rule 5)

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

VI. Permit Conditions

Condition 21233

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

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

Facility No. B2626, Valero Refining Company

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

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

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

A. Compliance with the daily refinery wide average NOx emission limit, 0.033 lb NOx/MMBtu fired duty is achieved through the use of an approved Alternate Compliance

VI. Permit Conditions

Plan using NOx IERCs in accordance with the provisions in Regulation 2-9-303.

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

1) Calculate NOx emissions from each furnace using measured fuel gas rates, and either:
   a. CEM data or
   b. NOx emission factors from Part 5A
2) The daily refinery wide average emission rate shall be determined by dividing the combined total emissions from sources listed in Part 1 above by the combined total heat input.
3) Sufficient NOx IERC's will be provided in accordance with the provisions of Regulation 2-9-303 to ensure compliance with the refinery wide average NOx emission limit of 0.033 lb NOx/MMBtu fired duty.

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

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

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

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

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

A. Conduct District approved source tests for NOx and CO, while varying the oxygen concentration and firing rate over the desired operating ranges for the furnace;

VI. Permit Conditions

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

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

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

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

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

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

5. Except as provided in part 5B & C, the Owner/Operator shall operate each source within the NOx Box ranges listed below at all times of operation. This part shall not apply to any source that has a properly operated and properly installed NOx CEM. (Basis: Regulation 9-10-502)

VI. Permit Conditions

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

Source No.	Emission Factor (lb/MMBtu)	Min O_2 at Low Firing (O2% , MMBtu/hr)	Max O_2 at Low Firing (O2% , MMBtu/hr)	Min O_2 at High Firing (O2% , MMBtu/hr)	Mid O_2 at Mid/High Firing (polygon) (O2% , MMBtu/hr) **CXIII.**	Max O_2 at High Firing (O2% , MMBtu/hr)
Plant 12626						
7	0.35	3, 16	17, 10	6, 30	N/A	11, 38
20	0.28	2, 19	12, 23	2, 37	2, 50	5, 47
24	0.757	11,7	14, 8	3, 27	6, 12	7, 29
26	0.194	13, 9	17, 7	6, 21	8, 17	12, 24
34	0.250	17, 2	20, 2	4, 26	N/A	7, 38
35	0.200	(Note 1), 1	(Note 1), 1	(Note 1), 14	N/A	(Note 1), 14
173	0.050	(Note 1), 4	(Note 1), 4	(Note 1), 20	N/A	(Note 1), 20
IV.	**CXV.**	**CXVI.**	**XVII.**	**XVIII.**	**CXIX.**	**CXX.**
Plant A0901 (13193)						
S-20	0.055	(Note 1), 2.9	(Note 1), 2.9	(Note 1), 14.7	N/A	(Note 1), 14.7
S-21	0.055	(Note 1), 2.9	(Note 1), 2.9	(Note 1), 14.7	N/A	(Note 1), 14.7
XI.	**XXII.**	**XXIII.**	**CXIV.**	**CXXV.**	**XXVI.**	**XVII.**

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

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

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

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

VI. Permit Conditions

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

1. Source Test ≤ Emission Factor

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

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

2. Source Test > Emission Factor

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

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

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

      2. Within the Box – for the case when the source is operated within the "box" but source test results indicate a higher

VI. Permit Conditions

emission factor, the Owner/Operator shall apply the higher emission factor retroactively to the date of the previous source test and provide sufficient NOx IERCs for that time period to ensure the facility is in compliance with the refinery wide limit specified in Regulation 9-10-301. The Owner/Operator will be in violation of Regulation 9-10-301 for each day there are insufficient NOx IERCs provided to bring the refinery wide average into compliance with Regulation 9-10-301.

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

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

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

A. Source Testing Schedule

1) Heater < 25 MMBtu/hr

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

2) Heaters ≥ 25 MMBtu/hr

Two source tests per consecutive 12 month period. The time interval between source tests shall not exceed 8 months and not be less than 5 months apart. The source test results shall be submitted to the District Source Test Manager within 45 days of the test.

VI. Permit Conditions

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

B. Source Test Results > NOx Box Emission Factor

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

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

9. For any source listed in Part 1 with a maximum firing limit greater than 25 MMBtu/hr for which any two source test results over any consecutive five year period are greater than or equal to 200 ppmv CO at 3% O2, the Owner/Operator shall properly install, properly maintain, and properly operate a CEM to continuously measure CO and O2. The Owner/Operator shall install the CEM within the time period allowed in the District's Manual of Procedures. (Basis: Regulation 9-10-502, 1-522)

10. In addition to records required by Regulation 9-10-504, the Owner/Operator must maintain records of all source tests conducted to demonstrate compliance with Parts 1 and 5. These records shall be kept on site for at least five years from the date of entry in a District approved log and be made available to District staff upon request. (Basis: Regulation 9-10-504)

VI. Permit Conditions

Condition 22851
S-68, Diesel Firewater Pump Engine

1. Operating for reliability-related activities is limited to no more than 34 hours per year which is the number of hours necessary to comply with the testing requirements of the National Fire Protection Association (NFPA) 25. This emergency fire pump is subject to the current National Fire Protection Association (NFPA) 25 - "Standard for the Inspection, Testing and Maintenance of Water-Based Fire Protection Systems."
   [Basis: "Stationary Diesel Engine ATCM", CA Code of Regulations, Title 17, Section 93115.3(n)]

2. The owner or operator shall operate each emergency standby engine only for the following purposes: to mitigate emergency conditions, for emission testing to demonstrate compliance with a District, state or Federal emission limit, or for reliability-related activities (maintenance and other testing, but excluding emission testing). Operating while mitigating emergency conditions or while emission testing to show compliance with District, state or Federal emission limits is not limited.
   [Basis: BAAQMD Regulation 9-8-330]

3. The owner/operator shall operate each emergency standby engine only when a non-resettable totalizing meter (with a minimum display capability of 9,999 hours) that measures the hours of operation for the engine is installed, operated and properly maintained.
   [Basis: BAAQMD Regulation 9-8-530, "Stationary Diesel Engine ATCM", CA Code of Regulations, Title 17, Section 93115.10(e)(1)]

4. Records: The owner/operator shall maintain the following monthly records in a District-approved log for at least 36 months from the date of entry (60 months if the facility has been issued a Title V Major Facility Review Permit or a Synthetic Minor Operating Permit). Log entries shall be retained on-site, either at a central location or at the engine's location, and made immediately available to the District staff upon request.
   a. Hours of operation for reliability-related activities (maintenance and testing).
   b. Hours of operation for emission testing to show compliance with emission limits.
   c. Hours of operation (emergency).
   d. For each emergency, the nature of the emergency condition.
   e. Fuel usage for each engine(s).

   [Basis: BAAQMD Regulation 9-8-530, 2-6-501, and "Stationary Diesel Engine ATCM", CA Code of Regulations, Title 17, Section 93115.10(g)]

VI. Permit Conditions

Condition 22928

The following permit condition will apply to S-71:

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

1. The owner or operator shall operate S-71, stationary emergency standby engine, only to mitigate emergency conditions or for reliability-related activities (maintenance and testing). Operating while mitigating emergency conditions and while emission testing to show compliance with this part is unlimited. Operating for reliability-related activities is limited to 50 hours per year.
(Basis: "Stationary Diesel Engine ATCM", CA Code of Regulations, Title 17, Section 93115.6(b)(3)(A)(2)(b)

2. The owner/operator shall equip S-71 emergency standby engine(s) with:
a. a non-resettable totalizing meter, with a minimum display capability of 9,999 hours, that measures the hours of operation for the engine; and
b. a Diesel particulate filter backpressure monitor that notifies the owner/operator that the backpressure limit of the engine is approached.
(Basis: BAAQMD Regulation 9-8-530, "Stationary Diesel Engine ATCM", CA Code of Regulations, Title 17, Section 93115.10(e)(1))

3. Records: The owner/operator shall maintain the following monthly records in a District-approved log for at least 60 months from the date of entry. Log entries shall be retained on-site, either at a central location or at the engine's locations, and made immediately available to the District staff upon request.
a. Hours of operation (emergency).
b. Hours of operation (maintenance and testing).
c. Hours of operation for emission testing to show compliance with emission limits.
d. Initial Startup hours.
e. For each emergency, the nature of the emergency condition.
f. Hours of operation for any use other than those specified in 3a through 3d above.
g. CARB Certification Executive Order for the engine.
(Basis: BAAQMD Regulation 9-8-530, 2-6-501, and "Stationary Diesel Engine ATCM", CA Code of Regulations, Title 17, Section 93115.10(g) Regulation 1-441)

VII. APPLICABLE LIMITS & COMPLIANCE MONITORING REQUIREMENTS

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

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

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
NOx	Condition 1240, Part I.14	Y		Emissions of NOx < 40.047 tons per year	Condition 1240, parts I.18a and I.18j	P/SA	Calculations
Ambient SO2	BAAQMD 9-1-301	Y		Ground level SO_2 concentrations (0.5 ppm for 3 min; 0.25 ppm for 60 min; 0.05 ppm for 24 hr)	BAAQMD 9-1-501, and 9-1-110 BAAQMD Manual of Procedures, Volume VI and SIP Manual of Procedures, Volume VI	C	SO_2 GLM
Ambient H2S	BAAQMD 9-2-301	N		Limitations on H_2S ground level concentrations	BAAQMD 9-2-501 BAAQMD Manual of Procedures, Volume VI and SIP Manual of Procedures, Volume VI	C	H_2S GLM
SO2	Condition 1240, part I.14	Y		Emissions of SO2 < 28.049 tons per year	None	N	N/A

VII. Applicable Limits and Compliance Monitoring Requirements

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
H2S	BAAQMD 9-1-313.2	N		Recovery of 95% of H2S in refinery fuel gas	None	N	N/A
H2S	SIP 9-1-313.2	Y		Recovery of 95% of H2S in refinery fuel gas	None	N	N/A
Benzene	40 CFR, Part 61.342(e)(2)(i)	Y		Uncontrolled benzene < 6 megagrams/year	40 CFR, Part 61.357(d)(5)	P/A	Report
Benzene	40 CFR, Part 61.345(b)	Y		Visual inspection of container covers	40 CFR, Part 61.345(b)	P/Q	Visual Inspection
Benzene	40 CFR, Part 61.346(b)(3)	Y		Benzene Waste NESHAP quarterly visual inspection for cracks in exposed sewer lines (applies to naphtha tank (S9) fill line and naphtha transfer line to Refinery	40 CFR, Part 61.346(b)(4)(iv)	P/Q	Visual Inspection
Benzene	40 CFR, Part 61.342(e)(2)(i)	Y		Uncontrolled benzene < 6 megagrams/year	40 CFR, Part 61.357(d)(5)	P/A	Report
Benzene	40 CFR, Part 61.345(b)	Y		Visual inspection of container covers	40 CFR, Part 61.345(b)	P/Q	Visual Inspection
Benzene	40 CFR, Part 61.346(b)(3)	Y		Benzene Waste NESHAP quarterly visual inspection for cracks in exposed sewer lines (applies to naphtha tank (S9) fill line and naphtha transfer line to Refinery	40 CFR, Part 61.346(b)(4)(iv)	P/Q	Visual Inspection
Vapor Pressure	BAAQMD 8-5-117 SIP 8-5-117	Y		True vapor pressure not greater than 0.5 psia if tank operating in exempt service	BAAQMD 8-5-501.1	P/E	Record

VII. Applicable Limits and Compliance Monitoring Requirements

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Vapor Pressure	Condition 20762, part 1	Y		True vapor pressure not greater than 0.5 psia if tank operating in exempt service	Condition 20762, parts 1 and 3	P/E	Record or Laboratory Sample Test
Vapor Pressure	40 CFR, Part 60.110b(b)	Y		True vapor pressure not greater than 0.5 psia if tank operating in exempt service	None	N	N/A
VOC	Condition 1240, part I.14	Y		Emissions of NMHC < 42.705 tons per year	Condition 1240, parts I.18a, and I.18j	P/SA	Calculations
VOC	BAAQMD 8-5-328 SIP 8-5-328.1.2	Y		Tank degassing control device standard; includes 90% abatement efficiency requirement.	BAAQMD 8-5-502.2 SIP 8-5-502	P/A	Source test
VOC	BAAQMD 8-8-312	N		Controlled WW collection system components: vapor tight	BAAQMD 8-8-402.4 8-8-504 8-8-603	P/SA	Method 21
VOC	BAAQMD 8-8-402.2	N		WW collection system components; vapor tight	BAAQMD 8-8-402.2 8-8-504 8-8-603	Initial Inspection	Method 21
VOC	BAAQMD 8-8-313.2	N		Uncontrolled WW collection system components; vapor tight	BAAQMD 8-8-313.2 8-8-402.3 8-8-504 8-8-603	P/SA	Method 21
VOC	BAAQMD 8-8-313.2	N		Uncontrolled WW collection system components; not vapor tight on regular semi-annual inspection	BAAQMD 8-8-313.2 8-8-402.3 8-8-504 8-8-603	P/ Reinspect within 30 days of discovery and every 30 days until controlled or returned to semi-annual inspection schedule	Method 21

VII. Applicable Limits and Compliance Monitoring Requirements

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 8-8-312 8-8-313.2 8-8-402.1	N		Wastewater Inspection and Maintenance Plan Records	BAAQMD 8-8-505	P/E Each inspection and repair	Records
VOC	BAAQMD 8-10-301	N		Abatement of emissions from process vessel depressurization is required until pressure is reduced to less than 1000 mm Hg	BAAQMD 8-10-501 and 8-10-503	P/E (prior to opening vessel and daily during time vessel is open to atmosphere)	Method 21 and records of measured hydrocarbon concentration emissions and mass emission calculations.
VOC	SIP 8-10-301	Y		Abatement of emissions from process vessel depressurization is required until pressure is reduced to less than 1000 mm Hg	SIP 8-10-401	P/E	Records of hydrocarbon concen-tration and emissions
VOC	BAAQMD 8-10-302	N		No process vessel may be opened to atmosphere unless organic compounds have been reduced to less than 10,000 ppm (methane). A refinery vessel may exceed this limit provided total number of such vessels does not exceed 10% of total vessel population over 5-consecutive year period and total mass organic compound emissions are less than 15 lb/day.	BAAQMD 8-10-501 and 8-10-503	P/E (prior to opening vessel and daily during time vessel is open to atmosphere)	Method 21 and records of measured hydrocarbon concentration emissions and mass emission calculations.

VII. Applicable Limits and Compliance Monitoring Requirements

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Vapor Pressure	BAAQMD 8-5-117 SIP 8-5-117	Y		True vapor pressure not greater than 0.5 psia if tank operating in exempt service	BAAQMD 8-5-501.1	P/E	Record
Vapor Pressure	Condition 20762, part 1	Y		True vapor pressure not greater than 0.5 psia if tank operating in exempt service	Condition 20762, parts 1 and 3	P/E	Record or Laboratory Sample Test
VOC	BAAQMD 8-5-328 SIP 8-5-328.1.2	Y		Tank degassing control device standard; includes 90% abatement efficiency requirement.	BAAQMD 8-5-502.2 SIP 8-5-502	P/A	Source test
VOC	Condition 1240, part I.14	Y		Emissions of NMHC < 42.705 tons per year	Condition 1240, parts I.18a, I.18c and I.18j	P/SA	Calculations
VOC	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	Condition 1240, part II.46	P/M	Records
VOC	Condition 1240, part II.42	Y		Vapor pressure shall not exceed 0.5 psia	Condition 1240, part II.46	P/M	Records
VOC	Condition 1240, II.32a	Y		98.5% destruction of vapors whenever petroleum and VOC materials stored	Condition 1240, II.58b	C	Temperature CPMS
VOC	Condition 1240, part II.94	Y		Contain emissions in closed vent system whenever the vapor recovery blower is not operating, as long as no P/V valve is lifting.	Condition 1240, part II.94	P/E (every 8 hours)	Pressure monitoring whenever vapor recovery blower is not operating

VII. Applicable Limits and Compliance Monitoring Requirements

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
					Condition 1240, part II.95	P/E	Records

Table VII - C
Applicable Limits and Compliance Monitoring Requirements
S5, S6, S7, S8, S37, S38, S51, S52, S53, S60, S61, S62, S65
ASPHALT 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
Opacity	BAAQMD 6-1-301	N		Ringelmann No. 1 for no more than 3 minutes in any hour	Condition 1240, II.58b	C	Temperature CPMS
Opacity	SIP 6-301	Y		Ringelmann No. 1 for no more than 3 minutes in any hour	Condition 1240, II.58b	C	Temperature CPMS
Opacity	40 CFR, Part 60.472(c)	Y		0 percent opacity except for one consecutive 15-min period in any 24-hr period for cleaning	40 CFR, Part 60.473(c) 60.474(c)(5) Condition 1240, II.58b	C	Temperature CPMS
FP	BAAQMD 6-1-310	N		0.15 gr/dscf	Condition 1240, II.58b	C	Temperature CPMS
FP	SIP 6-310	Y		0.15 gr/dscf	Condition 1240, II.58b	C	Temperature CPMS
Vapor Pressure	BAAQMD 8-5-117 SIP 8-5-117	Y		True vapor pressure not greater than 0.5 psia if tank operating in exempt service	BAAQMD 8-5-501.1	P/E	Record
Vapor	Condition 20762,	Y		True vapor pressure	Condition	P/E	Record or

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - C
Applicable Limits and Compliance Monitoring Requirements
S5, S6, S7, S8, S37, S38, S51, S52, S53, S60, S61, S62, S65
ASPHALT 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
Pressure	part 1			not greater than 0.5 psia if tank operating in exempt service	20762, parts 1 and 3		Laboratory Sample Test
VOC	BAAQMD 8-5-328 SIP 8-5-328.1.2	Y		Tank degassing control device standard; includes 90% abatement efficiency requirement.	BAAQMD 8-5-502.2 SIP 8-5-502	P/A	Source test
VOC	BAAQMD 8-15-305	Y		None	BAAQMD 8-15-501	P/E	Records
VOC	Condition 1240, part I.14	Y		Emissions of NMHC < 42.705 tons per year	Condition 1240, parts I.18a, I.18c and I.18j	P/SA	Calculations
VOC S5, S6, S7, S8, S37, S38, S51, S52, S53, S60	Condition 1240, II.50	Y		Vapor pressure may not exceed 0.5 psia	Condition 1240, II.58	P/M	Records
VOC S61, S62	Condition 1240, II.51	Y		Vapor pressure may not exceed 0.49 psia	Condition 1240, II.58	P/M	Records
VOC S65	Condition 1240, II.52	Y		Vapor pressure may not exceed 0.49 psia	Condition 1240, II.58	P/M	Records
VOC	Condition 1240, II.32a	Y		98.5% destruction of vapors whenever petroleum and VOC materials stored	Condition 1240, part II.58b	C	Temperature CPMS

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - C
Applicable Limits and Compliance Monitoring Requirements
S5, S6, S7, S8, S37, S38, S51, S52, S53, S60, S61, S62, S65
ASPHALT 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 S5, S6, S7, S8	Condition 1240, part II.93			Contain emissions in closed vent system whenever the vapor recovery blower is not operating, as long as no P/V valve is lifting	Condition 1240, part II.93	P/E (every 8 hours)	Pressure monitoring whenever vapor recovery blower is not operating
					Condition 1240, part II.95	P/E	Records
VOC S37, S38, S51, S52, S53, S60, S61, S62, S65	Condition 1240, part II.94	Y		Contain emissions in closed vent system whenever the vapor recovery blower is not operating, as long as no P/V valve is lifting.	Condition 1240, part II.94	P/E (every 8 hours)	Pressure monitoring whenever vapor recovery blower is not operating
					Condition 1240, part II.95	P/E	Records
Through-put limit	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	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, TK-4607
INTERNAL FLOATING ROOF TANK

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
BAAQMD Regulation 8-5	**Organic Compounds - STORAGE OF ORGANIC LIQUIDS LIMITS AND MONITORING FOR INTERNAL FLOATING-ROOF TANKS**						
Vapor Pressure	BAAQMD 8-5-117 8-5-301 SIP 8-5-117 8-5-301	Y		True vapor pressure	BAAQMD 8-5-501.1	P/E initially and upon change of service	Look up table or sample analysis; Records
VOC	BAAQMD 8-5-320 SIP 8-5-320	Y		Floating roof fitting closure standards; includes gasketed covers	BAAQMD 8-5-402.3 SIP 8-5-402.3	P/SA	Visual inspection
VOC	BAAQMD 8-5-305, 8-5-321.1, 8-5-322.1 SIP 8-5-305	Y		Visual inspection of outer most seal	BAAQMD 8-5-402.2 SIP 8-5-402.2	P/SA	Visual inspection
VOC	BAAQMD 8-5-320 8-5-321 8-5-321.1 8-5-322.1 SIP 8-5-320 8-5-321	N		Floating roof fittings, visual inspection of outer most seal	BAAQMD 8-5-402.2 8-5-402.3 8-5-411.3 (optional)	P/Q (optional)	Fitting inspection; Visual inspection
VOC	BAAQMD 8-5-321 SIP 8-5-321	Y		Primary rim-seal standards; includes gap criteria	BAAQMD 8-5-402.1	P/10 year intervals and every time a seal is replaced	Seal inspection
VOC	BAAQMD 8-5-322 SIP 8-5-322	Y		Secondary rim-seal standards; includes gap criteria	BAAQMD 8-5-402.1	P/10 year intervals and every time a seal is replaced	Seal inspection

VII. Applicable Limits and Compliance Monitoring Requirements

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 8-5-328.1	N		Residual organic concentration of < 10,000 ppm as methane after degassing	BAAQMD 8-5-328.1	P/each time emptied & degassed; 4 consecutive measurements at 15 minute intervals	Method 21 portable hydrocarbon detector
VOC	SIP 8-5-328.1.2	Y		Concentration of organic compounds of < 10,000 ppm as methane after degassing	SIP 8-5-503	P/each time emptied & degassed	Portable hydrocarbon detector
VOC		Y		None	BAAQMD 8-5-501.2	P/E	Records of tank seal replacement
VOC	BAAQMD 8-5-331.1	N		Tank cleaning agents IBP > 302 deg F; or TVP < 0.5 psia; or VOC < 50 grams/liter	BAAQMD 8-5-331.1	N	Sample analysis
NESHAPS CC and NSPS Kb	**40 CFR, Part 63 Subpart CC – NESHAPS for Petroleum Refineries 40 CFR, Part 61 Subpart FF – Benzene Waste Operations NESHAP 40 CFR, Part 60 Subpart Kb – NSPS for VOL Storage Tanks LIMITS AND MONITORING FOR INTERNAL FLOATING ROOF TANKS**						
VOC	63.640 (n)(1), 61.351, 60.112b (a)(1)	Y		Deck fitting closure standards; includes gasketed covers	63.640(n)(8), 61.351, 60.113b(a)(1) & (a)(4)	Prior to filling tank, each time emptied & degassed, and at least every 10 yr	visual inspection
VOC	63.640 (n)(1), 61.351, 60.113b (a)(1) & (4)	Y		Primary rim-seal standards; no holes or tears	63.640(n)(8), 61.351, 60.113b(a)(1) & (a)(4)	Prior to filling tank, each time emptied & degassed, and at least every 10 yr	visual inspection
VOC	63.640 (n)(1), 61.351, 60.113b	Y		Secondary rim-seal standards; no holes or tears	63.640(n)(8), 61.351, 60.113b(a)(1) & (a)(4)	Prior to filling tank, each time emptied &	visual inspection

VII. Applicable Limits and Compliance Monitoring Requirements

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
	(a)(1) & (4)					degassed, and at least every 10 yr	
VOC	63.640 (n)(1), 61.351, 60.113b (a)(2)	Y		Internal visual inspection from viewports of fixed roof	63.640(n)(8), 61.351, 60.113b (a)(2)	P/A	visual inspection
VOC		Y		Record of liquid stored and true vapor pressure	63.640(n)(8), 61.351, 60.116b(c)	P/E Upon change of service	Records
VOC		Y		Record of each initial, annual, and 10-year tank inspection	63.640(n)(8), 61.351, 60.115b(a)(2)	For each tank inspection	record
VOC		Y		Report of non-compliant annual inspection for tanks with secondary seals	63.640(n)(8), 61.351, 60.115b(a)(4)	Within 30 days of inspection	report
BAAQMD Permit	**PERMIT CONDITIONS**						
VOC	Condition 1240, part I.14	Y		Emissions of NMHC < 42.705 tons per year	Condition 1240, parts I.18a, I.18c and I.18j	P/SA	calculations
	Condition 1240, part II.26	Y		Vapor pressure shall not exceed 11 psia	Condition 1240, part II.29	P/M	Records
Through-put	Condition 1240, part II.28	Y		< 24,019,000 gallons in any consecutive 12-month period	Condition 1240, part II.29	P/M	Records

VII. Applicable Limits and Compliance Monitoring Requirements

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
BAAQMD Regulation 8-5	**Organic Compounds - STORAGE OF ORGANIC LIQUIDS LIMITS AND MONITORING FOR EXEMPT FIXED ROOF TANKS**						
Vapor Pressure	BAAQMD 8-5-117 SIP 8-5-117 Condition 20762, Part 1	Y		True vapor pressure not greater than 0.5 psia.	Condition 20762, Parts 1 & 3	P/E upon change of service	Look up table or sample analysis; Records
NESHAPS CC	**40 CFR, Part 63 Subpart CC - NESHAPS for Petroleum Refineries RECORDKEEPING ONLY**						
HAP	63.641	Y		Retain weight percent total organic HAP in stored liquid for Group 2 determination.	63.654(i)(1)(iv)	P/E	Record
BAAQMD Permit	**PERMIT CONDITIONS**						
VOC	Condition 1240, part I.14	Y		Emissions of NMHC < 42.705 tons per year	Condition 1240, parts I.18a, I.18e and I.18j	P/SA	Calculations

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
BAAQMD Regulation 8-5	**Organic Compounds - STORAGE OF ORGANIC LIQUIDS LIMITS AND MONITORING FOR FLOATING-ROOF TANKS**						
Vapor Pressure	BAAQMD 8-	Y		True vapor pressure	BAAQMD	P/E	Look up table or

VII. Applicable Limits and Compliance Monitoring Requirements

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
	5-117 8-5-301 SIP 8-5-117 8-5-301				8-5-501.1 SIP 8-5-501.1	initially and upon change of service	sample analysis; Records
VOC	BAAQMD 8-5-303.1	N		Pressure vacuum valve set to 90% of tank's maximum allowable working pressure or at least 0.5 psig	BAAQMD 8-5-501.4	P/initial	Records
VOC	BAAQMD 8-5-303.2	N		Pressure vacuum valve sealing mechanism must be gas-tight: < 500 ppm **OR**	BAAQMD 8-5-403 8-5-403.1	P/SA	Method 21 portable hydrocarbon detector
					BAAQMD 8-5-403 8-5-403.1 8-5-411.3 (optional)	P/Q (optional)	Method 21 portable hydrocarbon detector
				Pressure vacuum valve sealing mechanism must be vented to abatement with 95% efficiency	BAAQMD 8-5-502.1	P/A	Source test (Not required if vented to fuel gas)
VOC	SIP 8-5-303.1	Y		PV valve set pressure within 10% of working pressure or at least 0.5 psig	SIP 8-5-403	P/SA	Visual Inspection
VOC	SIP 8-5-303.2	Y		PV valve gas tight (< 500 ppm) except when operating pressure exceeds the valve set pressure	SIP 8-5-403 8-5-503 8-5-605	P/SA	Method 21 portable hydrocarbon detector

VII. Applicable Limits and Compliance Monitoring Requirements

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 8-5-306.1	N		Approved emission control system; 95% efficiency requirement	BAAQMD 8-5-502.1 8-5-603	P/A	Source Test
VOC	SIP 8-5-306	Y		Approved emission control system gas tight: < 100 ppm (as methane) above background	SIP 8-5-503 8-5-605	None	Method 21 portable hydrocarbon detector
VOC	SIP 8-5-306	Y		Control device standards: 95% control of organic vapors	Condition 1240, part II.58b	C	Temperature CPMS
VOC	BAAQMD 8-5-328.1	N		Residual organic concentration of < 10,000 ppm as methane after degassing	BAAQMD 8-5-328.1	P/each time emptied & degassed; 4 consecutive measurements at 15 minute intervals	Method 21 portable hydrocarbon detector
VOC	SIP 8-5-328.1.2	Y		Concentration of organic compounds of < 10,000 ppm as methane after degassing	SIP 8-5-503	P/E	Portable hydrocarbon detector
VOC	BAAQMD 8-5-331.1	N		Tank cleaning agents IBP > 302 deg F; or TVP < 0.5 psia; or VOC < 50 grams/liter	BAAQMD 8-5-331.1	N	Sample analysis
NSPS	**40 CFR, Part 60 Subpart Kb – NSPS for VOL Storage Vessels**						

VII. Applicable Limits and Compliance Monitoring Requirements

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Kb	**LIMITS AND MONITORING FOR CVS & CONTROL DEVICES**						
VOC	60.112b(a)(3)(i)	Y		"No detectable emissions," as determined by 40 CFR, Part 60.485(b), equivalent to < 500 ppm	Condition 1240, part II.32e	P/SA	EPA Method 21
VOC	60.112b(a)(3)(ii)	Y		Control device standards; 95% control of inlet VOC	Condition 1240, part II.58b	C	Temperature CPMS
BAAQMD Permit	**PERMIT CONDITIONS**						
VOC	Condition 1240, part I.14	Y		Emissions of NMHC < 42.705 tons per year	Condition 1240, parts I.18a, I.18c and I.18j	P/SA	Calculations
VOC	Condition 1240, part II.31	Y		Vapor pressure shall not exceed 1.5 psia	Condition 1240, part II.31a	P/A	determi-nation of vapor pressure
VOC	Condition 1240, part II.32a	Y		98.5% destruction of vapors whenever petroleum and VOC materials are stored	Condition 1240, part II.58b	C	Temperature CPMS
VOC S59	Condition 1240, part II.93	Y		Contain emissions in closed vent system whenever the vapor recovery blower is not operating, as long as no P/V valve is lifting.	Condition 1240, part II.93	P/E (every 8 hours)	Pressure monitoring whenever vapor recovery blower is not operating
					Condition 1240, part II.95	P/E	Records

VII. Applicable Limits and Compliance Monitoring Requirements

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC S13, S63	Condition 1240, part II.94	Y		Contain emissions in vapor recovery system whenever the vapor recovery blower is not operating.	Condition 1240, part II.94	P/D	Records
					Condition 1240, part II.95	P/E	Records
Through-put	Condition 1240, part II.33a	Y		< 68,208,000 gallons in any consecutive 12-month period for S13, S59, and S63 total	Condition 1240, part II.34	P/M	Records

Table VII – G
Applicable Limits and Compliance Monitoring Requirements
S16, TRUCK LOADING RACK, HEAVY VACUUM GAS OIL

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	Condition 1240, part I.14	Y		Emissions of NMHC < 42.705 tons per year	Condition 1240, parts I.18a, I.18d and I.18j	P/SA	Calculations
VOC	Condition 1240, part II.90	Y		Vapor pressure < 0.49 psia	None	N	N/A
Through-put limit	Condition 1240, part II.91	Y		25,749,000 gallons/any consecutive 12 months	Condition 1240, part II.91a	P/M	Records

VII. Applicable Limits and Compliance Monitoring Requirements

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 8-15-305	Y		None	BAAQMD 8-15-501	P/E	Records
VOC	Condition 1240, part I.14	Y		Emissions of NMHC < 42.705 tons per year	Condition 1240, parts I.18a, I.18d and I.18j	P/SA	Calculations
VOC	Condition 1240, part II.68	Y		98.5% destruction of vapors by weight	Condition 1240, part I.19	C	Temperature CPMS
VOC	Condition 1240, part II.71	Y		Vapor pressure < 0.5 psia, except allowable kerosene	Condition 1240, part II.75	P/M	Records
Through-put limit	Condition 1240, part II.74	Y		283,011,000 gallons/any consecutive 12 months for S17, S31, and S54 combined	Condition 1240, part II.75	P/M	Records
Opacity	BAAQMD 6-1-301	N		Ringelmann No. 1 for no more than 3 minutes in any hour	Condition 1240, part I.19	C	Temperature CPMS
Opacity	SIP 6-301	Y		Ringelmann No. 1 for no more than 3 minutes in any hour	Condition 1240, I.19	C	Temperature CPMS
FP	BAAQMD 6-1-310	N		0.15 gr/dscf	Condition 1240, part I.19	C	Temperature CPMS
FP	SIP 6-310	Y		0.15 gr/dscf	Condition 1240, I.19	C	Temperature CPMS
Odor		N			Condition 1240, part IV.2	P/E	Asphalt tank truck dome inspection program

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – I
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	Condition 1240, part I.14	Y		Emissions of NMHC < 42.705 tons per year	Condition 1240, parts I.18a, I.18b and I.18j	P/SA	Calculations
Through-put limit	Condition 1240, part I.1	Y		5,292,000 barrels/any consecutive 12 months	Condition 1240, part I.4	P/M	Records
VOC	Condition 1240, part I.2	Y		18,000 barrels/any calendar day	Condition 1240, part I.4	P/D	Records

Table– VII – J
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	Condition 1240, part I.8	Y		25 ppmv (dry, 3% O2, one hour average)	Condition 1240, part I.16a	P/SA	Source test
NOx	Condition 1240, part I.14	Y		Emissions of NOs < 40.047 tons per year	Condition 1240, parts I.18a, I.18h and I.18j	P/SA	Calculations
O2		Y		No limit	Condition 1240, I.10	C	Oxygen analyzer
CO	Condition 1240, part I.5b	Y		50 ppmv (dry, 3% O2) over any one-hour period	Condition 1240, part I.16a	P/SA	Source test
CO	Condition	Y		1.47 lb/hr over any one-	Condition	P/SA	Source test

VII. Applicable Limits and Compliance Monitoring Requirements

Table– VII – J
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
	1240, part I.5c			hour period	1240, part I.16a		
SO2	Condition 1240, part I.14	Y		Emissions of SO2 < 28.049 tons per year	None	N	N/A
Opacity	BAAQMD 6-1-301	N		Ringelmann No. 1 for no more than 3 minutes in any hour	None	N	N/A
Opacity	SIP 6-301	Y		Ringelmann No. 1 for no more than 3 minutes in any hour	None	N	N/A
FP	BAAQMD 6-1-310.3	N		0.15 grain/dscf @ 6% oxygen	None	N	N/A
FP	SIP 6-310.3	Y		0.15 grain/dscf @ 6% oxygen	None	N	N/A
POC	Condition 1240, part I.14	Y		Emissions of NMHC < 42.705 tons per year	Condition 1240, parts I.18a, I.18f and I.18j	P/SA	Calculations
Through-put	Condition 1240, part I.5	Y		Maximum heat input to all asphalt plant combustion units < 93.6 MMbtu/hr	Condition 1240, part I.5	C	Fuel flow CPMS
Through-put	Condition 1240, part I.5a	Y		Maximum heat input to S19 < 40 MMbtu/hr	Condition 1240, part I.5	C	Fuel flow CPMS

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – K
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 Condition 21233, part 7.a.1	P/A	Source test
NOx	BAAQMD 9-10-301	N		Refinery-wide emissions (excluding CO Boilers): 0.033 lb NOx/ MMBTU, operating day average (compliance with the ACP pursuant to BAAQMD Regulation 2-9-303 and condition 19329 is considered compliance with this limit)	BAAQMD 9-10-502 and Condition 21233	P/D	Emission calculations using emission factors and fuel meter
NOx	BAAQMD 9-10-303	Y		Refinery-wide emissions (excluding CO boilers): 0.20 lb NOx/MMbtu, operating day average	BAAQMD 9-10-502.1, Condition 21233, part 7.a.1	P/A	Source test
NOx	Condition 1240, part I.14	Y		Emissions of NOx < 40.047 tons per year	Condition 1240, parts I.18a, I.18h and I.18j	P/SA	Calculations
CO	BAAQMD 9-10-305	N		400 ppmv (dry, 3% O_2) on an operating day average	BAAQMD 9-10-502 & Condition	P/A	Source test

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – K
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
					21233, part 7.a.1		
SO2	Condition 1240, part I.14	Y		Emissions of SO2 < 28.049 tons per year	None	N	N/A
Opacity	BAAQMD 6-1-301	N		Ringelmann No. 1 for no more than 3 minutes in any hour (gaseous fuel)	None	N	N/A
Opacity	SIP 6-301	Y		Ringelmann No. 1 for no more than 3 minutes in any hour (gaseous fuel)	None	N	N/A
FP	BAAQMD 6-1-310.3	N		0.15 grain/dscf @ 6% oxygen	None	N	N/A
FP	SIP 6-310.3	Y		0.15 grain/dscf @ 6% oxygen	None	N	N/A
VOC	BAAQMD Condition 1240, part I.14	Y		Emissions of NMHC < 42.705 tons per year	Condition 1240, parts I.18a, I.18f and I.18j	P/SA	Calculations
Through-put	Condition 1240, part I.5	Y		Maximum heat input to all asphalt plant combustion units < 93.6 MMbtu/hr	Condition 1240, part I.5	C	Fuel flow CPMS
Through-put	Condition 19329, part 1	Y		Maximum heat input to S20 < 15 MMbtu/hr	BAAQMD 9-10-502.2	C	Fuel flow CPMS

VII. Applicable Limits and Compliance Monitoring Requirements

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

ype 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 Condition 21233, part 7.a.1	P/A	Source test
NOx	BAAQMD 9-10-301	N		Refinery-wide emissions (excluding CO Boilers): 0.033 lb NOx/MMBTU, operating day average (compliance with the ACP pursuant to BAAQMD Regulation 2-9-303 and condition 19329 is considered compliance with this limit)	BAAQMD 9-10-502 and Condition 21233	P/D	Emission calculations using emission factors and fuel meter
NOx	BAAQMD 9-10-303	Y		Refinery-wide emissions (excluding CO boilers): 0.20 lb NOx/MMbtu, operating day average	BAAQMD 9-10-502.1, Condition 21233, part 7.a.1	P/A	Source test
NOx	Condition 1240, part I.14	Y		Emissions of NOx < 40.047 tons per year	Condition 1240, parts I.18a, I.18h and I.18j	P/SA	Calculations
CO	BAAQMD 9-10-305	N		400 ppmv (dry, 3% O_2), operating day average	BAAQMD 9-10-502 & Condition	P/A	Source test

VII. Applicable Limits and Compliance Monitoring Requirements

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

ype of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
					21233, part 7.a.1		
SO2	Condition 1240, part I.14	Y		Emissions of SO2 < 28.049 tons per year	None	N	N/A
Opacity	BAAQMD 6-1-301	N		Ringelmann No. 1 for no more than 3 minutes in any hour	None	N	N/A
Opacity	SIP 6-301	Y		Ringelmann No. 1 for no more than 3 minutes in any hour (gaseous fuel)	None	N	N/A
FP	BAAQMD 6-1-310.3	N		0.15 grain/dscf @ 6% oxygen	None	N	N/A
FP	SIP 6-310.3	Y		0.15 grain/dscf @ 6% oxygen	None	N	N/A
VOC	Condition 1240, part I.14	Y		Emissions of NMHC < 42.705 tons per year	Condition 1240, parts I.18a, I.18f and I.18j	P/SA	Calculations
Through-put	Condition 1240, part I.5	Y		Maximum heat input to all asphalt plant combustion units < 93.6 MMbtu/hr	Condition 1240, part I.5	C	Fuel flow CPMS
Through-put	Condition 19329, part 1	Y		Maximum heat input to S21 < 15 MMbtu/hr	BAAQMD 9-10-502.2	C	Fuel flow CPMS

VII. Applicable Limits and Compliance Monitoring Requirements

Table– VII – M
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	Condition 1240, part I.14	Y		Emissions of NOx < 40.047 tons per year	Condition 1240, parts I.18a, I.18i and I.18j	P/SA	Calculations
SO2	Condition 1240, part I.14	Y		Emissions of SO2 < 28.049 tons per year	None	N	N/A
Opacity	BAAQMD 6-1-301	N		Ringelmann No. 1 for no more than 3 minutes in any hour (gaseous fuel)	Condition 1240, II.58b	C	Temperature CPMS
Opacity	SIP 6-301	Y		Ringelmann No. 1 for no more than 3 minutes in any hour (gaseous fuel)	None	N	N/A
Opacity	40 CFR, Part 60.472(c)	Y		0 percent opacity except for one consecutive 15-min period in any 24-hr period for cleaning	40 CFR, Part 60.473(c) 60.474(c)(5) Condition 1240, II.58b	C	Temperature CPMS
FP	BAAQMD 6-1-310.3	N		0.15 grain/dscf @ 6% oxygen	Condition 1240, II.58b	C	Temperature CPMS
FP	SIP 6-310.3	Y		0.15 grain/dscf @ 6% oxygen	None	N	N/A
VOC	BAAQMD 8-5-306	N		95% control of organic vapors (from S13, S59, S63)	BAAQMD 8-5-502.1 8-5-603	P/A	Source Test
VOC	SIP 8-5-306	Y		95% control of organic vapors (from S13, S59, S63)	Condition 1240, part II.58b	C	Temperature CPMS
VOC	BAAQMD 8-6-301	Y		21 g/cubic meter (0.17 lb/1000 gallons)	Condition 1240, part II.58b	C	Temperature CPMS

VII. Applicable Limits and Compliance Monitoring Requirements

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 8-8-301.3 SIP 8-8-301.3	Y		95% combined collection and destruction efficiency (S66)	Condition 1240, part II.58b	C	Temperature CPMS
VOC	BAAQMD 8-8-305.2 SIP 8-8-305.2	Y		70% combined collection and destruction efficiency (S27, S67)	Condition 1240, part II.58b	C	Temperature CPMS
VOC	40 CFR, Part 60.112b(a)(3)(ii)	Y		95% control of organic vapors (from S13, S59, S63)	Condition 1240, part II.58b	C	Temperature CPMS
VOC	Condition 1240, part I.14	Y		Emissions of NMHC < 42.705 tons per year	Condition 1240, parts I.18a, I.18g and I.18j	P/SA	Calculations
VOC	Condition 1240, parts II.32a	Y		98.5% destruction of vapors by weight whenever petroleum and VOC materials are stored or transferred	Condition 1240, part II.58b	C	Temperature CPMS
Through-put	Condition 1240, part I.5	Y		Maximum heat input to all asphalt plant combustion units < 93.6 MMbtu/hr	Condition 1240, part I.5	P/D	PG&E fuel meter
Temper-ature limit	40 CFR, Part 60.113b(c)(1)(ii) & (c)(2)	Y		1115 ^{o} F Operating Temperature when in abatement service	40 CFR, Part 60.112b(c)(c)(2)	C	Temperature CPMS
Temper-ature limit	40 CFR, Part 60.473(c)	Y		1115 ^{o} F Operating Temperature when in abatement service	40 CFR, Part 60.473(c)	C	Temperature CPMS

VII. Applicable Limits and Compliance Monitoring Requirements

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Temper-ature limit	Condition 1240, part II.58b	Y		1115 ^{o} F Operating Temperature when in abatement service	Condition 1240, part II.58b	C	Temperature CPMS

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

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 8-8-303	Y		Vapor tight gauging and sampling devices	BAAQMD 8-8-504 8-8-603 SIP 8-8-603	N	Method 21 portable hydrocarbon detector
VOC	BAAQMD 8-8-305.2 SIP 8-8-305.2	Y		Combined collection/destruction efficiency of 70% by weight	Condition 1240, part II.58b	C	Temperature CPMS
VOC	Condition 1240, part I.14	Y		Emissions of NMHC < 42.705 tons per year	Condition 1240, parts I.18a, I.18e and I.18j	P/SA	Calculations

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

VII. Applicable Limits and Compliance Monitoring Requirements

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 8-6-301	Y		0.17 pounds per 1,000 gallons loaded	Condition 1240, part II.58b	C	Temperature CPMS
VOC	BAAQMD 8-6-306	Y		Equipment shall be vapor-tight: i.e., leaks shall not exceed 100% of the LEL at 1 cm	Condition 1240, part II.72a	P/Q	Method 21
VOC	BAAQMD 8-6-306	Y		Equipment shall be leak-free: i.e., leak rate shall not exceed 3 drops/min, excluding losses which occur upon disconnecting transfer fittings	Condition 1240, part II.72b	P/Q	Inspection
VOC	BAAQMD 8-6-306	Y		Leaks during transfer shall not exceed 10 milliliters (ml) during a bottom loading operation or no more than two milliliters (ml) during a top loading operation, averaged over three disconnects.	Condition 1240, part II.72b	P/Q	Inspection
VOC	BAAQMD 8-15-305	Y		None	BAAQMD 8-15-501	P/E	Records
VOC	Condition 1240, part I.14	Y		Emissions of NMHC < 42.705 tons per year	Condition 1240, parts I.18a, I.18d and I.18j	P/SA	Calculations
VOC	Condition 1240, part II.32a	Y		98.5% control efficiency when S31 whenever petroleum and VOC materials are transferred	Condition 1240, part II.58b	C	Temperature CPMS

VII. Applicable Limits and Compliance Monitoring Requirements

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	Condition 1240, part II.94	Y		Contain emissions in closed vent system whenever the vapor recovery blower is not operating, as long as no P/V valve is lifting.	Condition 1240, part II.94	P/E (every 8 hours)	Pressure monitoring whenever vapor recovery blower is not operating
					Condition 1240, part II.95	P/E	Records
VOC	Condition 1240, part II.72	Y		Vapor pressure < 1.5 psia	Condition 1240, part II.75	P/M	records
Vapor pressure	Condition 1240, part II.73	Y		Vapor pressure of asphalt or asphalt containing materials < 0.5 psia	Condition 1240, part II.75	P/M	Records
Opacity	BAAQMD 6-1-301	N		Ringelmann No. 1 for no more than 3 minutes in any hour	Condition 1240, II.58b	C	Temperature CPMS
Opacity	SIP 6-301	Y		Ringelmann No. 1 for no more than 3 minutes in any our	Condition 1240, II.58b	C	Temperature CPMS
FP	BAAQMD 6-1-310	N		0.15 gr/dscf	Condition 1240, II.58b	C	Temperature CPMS
FP	SIP 6-310	Y		0.15 gr/dscf	Condition 1240, II.58b	C	Temperature CPMS
Through-put limit	Condition 1240, part II.74	Y		283,011,000 gallons/any consecutive 12 months for S17, S31, and S54 combined	Condition 1240, part II.75	P/M	Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – P
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	Condition 1240, part I.14	Y		Emissions of NOx < 40.047 tons per year	Condition 1240, parts I.18a, I.18i and I.18j	P/SA	Calculations
VOC	Condition 1240, part I.14	Y		Emissions of NMHC < 42.705 tons per year	Condition 1240, parts I.18a, I.18g and I.18j	P/SA	Calculations
SO2	Condition 1240, part I.14	Y		Emissions of SO2 < 28.049 tons per year	None	N	N/A
Opacity	BAAQMD 6-1-301	N		Ringelmann No. 1 for no more than 3 minutes in any hour (gaseous fuel)	None	N	N/A
Opacity	SIP 6-301	Y		Ringelmann No. 1 for no more than 3 minutes in any hour (gaseous fuel)	None	N	N/A
FP	BAAQMD 6-1-310.3	N		0.15 grain/dscf @ 6% oxygen	None	N	N/A
FP	SIP 6-310.3	Y		0.15 grain/dscf @ 6% oxygen	None	N	N/A
Through-put	Condition 1240, part I.5	Y		Maximum heat input to all asphalt plant combustion units < 93.6 MMbtu/hr	Condition 1240, part I.5	P/D	PG&E fuel meter

VII. Applicable Limits and Compliance Monitoring Requirements

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 8-8-303	Y		Vapor tight gauging and sampling devices	BAAQMD 8-8-504 8-8-603 SIP 8-8-603	N	Method 21 portable hydrocarbon detector
VOC	Condition 1240, part I.14	Y		Emissions of NMHC < 42.705 tons per year	Condition 1240, parts I.18a, I.18e and I.18j	P/SA	Calculations
VOC	Condition 1240, parts II.32a	Y		98.5% destruction of vapors by weight whenever petroleum and VOC materials are stored or transferred	Condition 1240, part II.58b	C	Temperature CPMS
Through-put	Condition 1240, part II.92	Y		77,263,000 gallons per year	Condition 1240, part II.92a	P/M	Records
VOC	Condition 1240, part II.93	Y		Contain emissions in closed vent system whenever the vapor recovery blower is not operating, as long as no P/V valve is lifting.	Condition 1240, part II.93	P/E (every 8 hours)	Pressure monitoring whenever vapor recovery blower is not operating
					Condition 1240, part II.95	P/E	Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – R
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
VOC	Condition 1240, part I.14	Y		Emissions of NMHC < 42.705 tons per year	Condition 1240, parts I.18a, I.18d and I.18j	P/SA	calculations
VOC	Condition 1240, parts II.32a	Y		98.5% destruction of vapors by weight whenever petroleum and VOC materials are stored or transferred	Condition 1240, part II.58b	C	Temperature CPMS
VOC	Condition 1240, part II.71	Y		Vapor pressure < 0.5 psia except allowable kerosene	Condition 1240, part II.75	P/M	records
VOC	Condition 1240, part II.94	Y		Contain emissions in closed vent system whenever the vapor recovery blower is not operating, as long as no P/V valve is lifting.	Condition 1240, part II.94	P/E (every 8 hours)	Pressure monitoring whenever vapor recovery blower is not operating
					Condition 1240, part II.95	P/E	Records
Opacity	BAAQMD 6-1-301	N		Ringelmann No. 1 for no more than 3 minutes in any hour	Condition 1240, part II.58b	C	Temperature CPMS
Opacity	SIP 6-301	Y		Ringelmann No. 1 for no more than 3 minutes in any hour	Condition 1240, II.58b	C	Temperature CPMS
FP	BAAQMD 6-1-310	N		0.15 gr/dscf	Condition 1240, part	C	Temperature CPMS

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – R
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
					II.58b		
FP	SIP 6-310	Y		0.15 gr/dscf	Condition 1240, part II.58b	C	Temperature CPMS
Through-put limit	Condition 1240, part II.74	Y		283,011,000 gallons/any consecutive 12 months for S17, S31, and S54 combined	Condition 1240, part II.75	P/M	Records
Odor				None	Condition 1240, part IV.2	P/E	Asphalt tank truck dome inspection program

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 8-8-114	Y		Exemption for Bypassed Oil-Water Separator or Air Flotation Unit Influent	BAAQMD 8-8-501 8-8-601 and SIP 8-8-501 8-8-601	P/E	Records and sample analysis

VII. Applicable Limits and Compliance Monitoring Requirements

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC		Y		None	BAAQMD 8-8-501 and SIP 8-8-501	P/E	Records and sample analysis
VOC	BAAQMD 8-8-301.3 and SIP 8-8-301.3	Y		95% combined collection and destruction efficiency	Condition 1240, part II.58b	C	Temperature CPMS
VOC	BAAQMD 8-8-303	Y		Vapor tight gauging and sampling devices	BAAQMD 8-8-504 8-8-603 SIP 8-8-603	N	Method 21 portable hydrocarbon detector
VOC	Condition 1240, part I.14	Y		Emissions of NMHC < 42.705 tons per year	Condition 1240, parts I.18a, I.18e and I.18j	P/SA	calculations
VOC	Condition 1240, part II.32a	Y		98.5% control efficiency when S31 whenever petroleum and VOC materials are transferred	Condition 1240, part II.58b	C	Temperature CPMS
VOC	Condition 1240, part II.93	Y		Contain emissions in closed vent system whenever the vapor recovery blower is not operating, as long as no P/V valve is lifting.	Condition 1240, part II.93	P/E (every 8 hours)	Pressure monitoring whenever vapor recovery blower is not operating
					Condition 1240, part II.95	P/E	Records

VII. Applicable Limits and Compliance Monitoring Requirements

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

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

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-1-303.1	N		Ringelmann No. 2 for no more than 3 minutes in any hour	None	N	N/A
Opacity	SIP 6-303.1	Y		Ringelmann No. 2 for no more than 3 minutes in any hour	None	N	N/A
FP	BAAQMD 6-1-310	N		0.15 gr/dscf	None	N	N/A
FP	SIP 6-310	Y		0.15 gr/dscf	None	N	N/A
Hours of operation	BAAQMD 9-8-330.2	N		up to 100 hours for reliability testing	BAAQMD 9-8-530	C	Totalizing meter for hours of operation
					BAAQMD 9-8-520.1 & 9-8-530	M	Records

VII. Applicable Limits and Compliance Monitoring Requirements

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Hours of operation	BAAQMD 9-8-330.3	N	1/1/2012	up to 50 hours for reliability testing	BAAQMD 9-8-530	C	Totalizing meter for hours of operation
					BAAQMD 9-8-520.1 & 9-8-530	M	Records
Hours of operation	BAAQMD 9-8-330	N		unlimited hours in case of emergency	BAAQMD 9-8-530	P/M	records
Hours of Operation	CCR, Title 17, Section 93115.3(n)	N		<= 34 hours/year for reliability-related activities	CCR, Title 17, Section 93115.10(e)(1)	C	Totalizing meter for hours of operation
					CCR, Title 17, Section 93115.10(g)	M	Records
Hours of Operation	Condition 22851, Part 1	Y		<= 34 hours/year for reliability-related activities	Condition 22851, Part 3	C	Totalizing meter for hours of operation and records
					Condition 22851, Part 4	M	Records
NOx	Condition 1240, part I.14	Y		Emissions of NOx < 40.047 tons per year	Condition 1240, parts I.18a, I.18i and I.18j	P/SA	Calculations
SO2	BAAQMD 9-1-304	Y		Fuel Sulfur Limit 0.5% by weight	Condition 18796, Part 1	P/E	fuel certification
SO2	Condition 1240, part I.14	Y		Emissions of SO2 < 28.049 tons per year	None	N	N/A
SO2	Condition 18796, Part 1	Y		Fuel Sulfur Limit 0.05% by weight	Condition 18796, Part 1	P/E	fuel certification

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – T
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
NHMC	Condition 1240, part I.14	Y		Emissions of NMHC < 42.705 tons per year	Condition 1240, parts I.18a, I.18g and I.18j	P/SA	Calculations

VII. Applicable Limits and Compliance Monitoring Requirements

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-1-301	N		Ringelmann No. 1 for no more than 3 minutes in any hour	Condition 20278, parts 6d and 7	P/A	visible emissions inspection
Opacity	SIP 6-301	Y		Ringelmann No. 1 for no more than 3 minutes in any hour	Condition 1240, II.58b	C	Temperature CPMS
FP	BAAQMD 6-1-310	N		0.15 gr/dscf	None	N	N/A
FP	SIP 6-310	Y		0.15 gr/dscf	None	N	N/A
PM	BAAQMD 6-1-311	N		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	None	N	N/A
PM	SIP 6-311	Y		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	None	N	N/A
Through-put	Condition 20278, part 2	Y		20,000 tons in any 12 months	Condition 20278, part 6	P/D	records

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

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

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – V
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, Part 60.472(c)	Y		0 percent opacity except for one consecutive 15-min period in any 24-hr period for cleaning	40 CFR, Part 60.473(c) 60.474(c)(5) Condition 1240, part II.58b	C	Temperature CPMS
FP	BAAQMD 6-1-310	N		0.15 gr/dscf	Condition 1240, part II.58b	C	Temperature CPMS
FP	SIP 6-310	Y		0.15 gr/dscf	Condition 1240, part II.58b	C	Temperature CPMS
VOC	BAAQMD 8-15-305			None	BAAQMD 8-15-501	P/E	Records
VOC	BAAQMD 8-15-305	Y		Emissions of NMHC < 42.705 tons per year	Condition 1240, parts I.18a, I.18c and I.18j	P/SA	Calculations
VOC	BAAQMD 8-15-305	Y		Vapor pressure may not exceed 0.5 psia	Condition 1240, part II.58	P/M	Records
VOC	Condition 1240, part II.32a	Y		98.5% control efficiency when S31 whenever petroleum and VOC materials are transferred	Condition 1240, part II.58b	C	Temperature CPMS
VOC	Condition 1240, part II.94	Y		Contain emissions in closed vent system whenever the vapor recovery blower is not operating, as long as no P/V valve is lifting.	Condition 1240, part II.94	P/E (every 8 hours)	Pressure monitoring whenever vapor recovery blower is not operating
					Condition 1240, part II.95	P/E	Records
Through-put	Condition 20278, part 1	Y		400,000 tons in any 12 months	Condition 20278, part 6	P/D	records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – W1
Applicable Limits and Compliance Monitoring Requirements
COMPONENTS

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 8-18-301	Y		General equipment leak < 100 ppm or minimize in 24 hours, repair in 7 days	None	N	N/A
VOC	BAAQMD Regulation 8-18-300	Y		Valves, Pumps, Compressors, Connectors, PRDs, and General Equipment	BAAQMD 8-18-401.5	P/E (24 hrs after repair/mini-mization)	Method 21 Inspection
VOC	BAAQMD 8-18-302.1 8-18-302.2	N		Valve leak < 100 ppm or minimize in 24 hours, repair in 7 days	BAAQMD 8-18-401.2 or 8-18-404	P/Q (footnote a)	Method 21 Inspection
VOC	BAAQMD 8-18-302.1 8-18-302.2	N		Inaccessible valve leak < 100 ppm or minimize in 24 hours, repair in 7 days	BAAQMD 8-18-401.3	P/A	Method 21 Inspection
VOC	BAAQMD 8-18-302.3 8-18-306.2 8-18-306.3 8-18-306.4	N		Inspect non-repairable valves	BAAQMD 8-18-401.9	P/Q	Method 21 inspection
VOC	BAAQMD 8-18-302.3 8-18-306.4	N		Mass emission rate </= 15 lb/day for valve with major leak (>/= 10,000 ppm)	BAAQMD 8-18-306.4 8-18-604	P/E within 45 days of leak discovery	Mass Emission Sampling
VOC	BAAQMD 8-18-302.3 8-18-306.4	N		Mass emission rate </= 15 lb/day for valve with major leak (>/= 10,000 ppm)	BAAQMD 8-18-401.10 8-18-604	P/A	Mass Emission Sampling
VOC	BAAQMD 8-18-303.1 8-18-303.2	N		Pump and compressor leak < 500 ppm or minimize in 24 hours, repair in 7 days	BAAQMD 8-18-401.2	P/Q	Method 21 Inspection
VOC	BAAQMD 8-18-304.1 8-18-304.2	N		Connection leak < 100 ppm or minimize in 24 hours, repair in 7 days	BAAQMD 8-18-401.6	P/every 5 years (see footnote b)	Method 21 Inspection

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – W1
Applicable Limits and Compliance Monitoring Requirements
COMPONENTS

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 8-18-304.1 8-18-304.2	N		Connection leak < 100 ppm or minimize in 24 hours, repair in 7 days (for connectors opened during turnaround)	BAAQMD 8-18-401.1	P/E (within 90 days of turnaround)	Method 21 Inspection
VOC	BAAQMD 8-18-305	Y		Pressure relief valve leak < 500 ppm or minimize in 24 hours, repair in 15 days	BAAQMD 8-18-401.2 and 8-18-401.7	P/Q	Method 21 Inspection
VOC	BAAQMD 8-18-305	Y		Inaccessible pressure relief valve leak < 500 ppm or minimize in 24 hours, repair in 15 days	BAAQMD 8-18-401.3	P/A	Method 21 Inspection
VOC	BAAQMD 8-18-305	Y		Pressure relief valve leak ≤ 500 ppm or minimize in 24 hours, repair in 15 days	BAAQMD 8-18-401.8	P/E (5 working days after release)	Method 21 Inspection
VOC	BAAQMD 8-18-305	Y		Pressure Relief Device with reportable releases ≤ 500 ppm	BAAQMD 8-18-401.8	P/E (5 working days after release)	Method 21 Inspection w/Report
VOC	BAAQMD 8-18-306.1	N		Valve, connector, pressure relief, pump or compressor must be repaired within 5 years or at the next scheduled turnaround	BAAQMD 8-18-502.4	P/Q	Records
VOC	BAAQMD 8-18-306.2 8-18-306.3 8-18-306.4	N		Maximum percentage awaiting repair Components: % — Valves (including with major leaks) and connectors per 8-18-306.3: 0.30; Valves with major leaks per 8-18-	BAAQMD 8-18-502.4	P/Q	Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – W1
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
				306.4 Pressure Reliefs 1.0 Pumps and Compressors 1.0			
VOC	BAAQMD 8-18-307	Y		Equipment liquid leaks minimize in 24 hours, repair in 7 days	None	P/E	Records
VOC	BAAQMD 8-18-307	Y		Pumps and Compressors Evidence of Leak	BAAQMD 8-18-403	P/D	Visual Inspection
VOC	SIP 8-18-302	Y		Valve leak < 100 ppm or minimize in 24 hours, repair in 7 days	SIP 8-18-401.2 or 8-18-404	P/Q (footnote a)	Method 21 Inspection
VOC	SIP 8-18-302	Y		Inaccessible valve leak < 100 ppm or minimize in 24 hours, repair in 7 days	SIP 8-18-401.3	P/A	Method 21 Inspection
VOC	SIP 8-18-303	Y		Pump and compressor leak < 500 ppm or minimize in 24 hours, repair in 7 days	SIP 8-18-401.2	P/Q	Method 21 Inspection
VOC	SIP 8-18-304.2	Y		Connection leak < 100 ppm or minimize in 24 hours, repair in 7 days	SIP 8-18-401.6	P/every 5 years (see footnote b)	Method 21 Inspection
VOC	SIP 8-18-304.2	Y		Connection leak < 100 ppm or minimize in 24 hours, repair in 7 days (for connectors opened during turnaround)	SIP 8-18-401.1	P/E (within 90 days of turnaround)	Method 21 Inspection
VOC	SIP 8-18-306.1	Y		Valve, pressure relief, pump or compressor must be repaired within 5 years or at the next scheduled turnaround	SIP 8-18-502.4	P/Q	Report
VOC	SIP 8-18-306.2	Y		Awaiting repair Valves < 0.5%	SIP 8-18-502.4	P/Q	

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – W1
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
				Pressure Relief < 1% Pumps and Compressors < 1%			Report
VOC	40 CFR, Part 60.482-2 (b)(1)	Y		LL Pump leak < 10,000 ppm	40 CFR, Part 60.482-2 (a)(1)	P/M	Method 21 Inspection
VOC	40 CFR, Part 60.482-2 (b)(2)	Y		Pump leak Indicated by dripping liquid	40 CFR, Part 60.482-2 (a)(2)	P/W	Visual Inspection
VOC	40 CFR, Part 60.482-2(e)	Y		Pump designated for "No detectable emissions" pursuant to 40 CFR, Part 60.486(e), < 500 ppm	40 CFR, Part 60.482-2(e)(3)	P/A	Method 21 Inspection
VOC	40 CFR, Part 60.482-3(d)	Y		Compressor shall have a sensor to detect failure of seal system, barrier fluid system, or both	40 CFR, Part 60.482-3 (e)(1)	C or P/D	Sensor with audible alarm or checked daily
VOC	40 CFR, Part 60.482-3(i)	Y		Compressor designated for "No detectable emissions" pursuant to 40 CFR, Part 60.486(e), < 500 ppm	40 CFR, Part 60.482-3(i)(2)	P/A	Method 21 Inspection
VOC	40 CFR, Part 60.482-4(a)	Y		Pressure relief valve (gas/vapor) not vented to abatement □< 500 ppm	None	N	N/A
VOC	40 CFR, Part 60.482-4(b)(1)	Y		Pressure relief valve (gas/vapor) not vented to abatement < 500 ppm after a pressure release event	40 CFR, Part 60.482-4(b)(2)	P/E (5 days)	Method 21 Inspection

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – W1
Applicable Limits and Compliance Monitoring Requirements
COMPONENTS

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	40 CFR, Part 60.482-7(b)	Y		Valve leak < 10,000 ppm	40 CFR, Part 60.482-7(a)	P/M	Method 21 Inspection
VOC	40 CFR, Part 60.482-7(b)	Y		Valve leak < 10,000 ppm; 2 successive months	40 CFR, Part 60.482-7(c)(i)	P/Q	Method 21 Inspection
VOC	40 CFR, Part 60.482-7(f)	Y		Valve designated "No detectable emissions" leak < 500 ppm	40 CFR, Part 60.482-7 (f)(3)	P/A	Method 21 Inspection
VOC	40 CFR, Part 60.482-8(a)	Y		Pumps and valves in heavy liquid service, Pressure Relief devices (light or heavy liquid), Flanges, Connectors leak shall be measured for leak in 5 days if detected by inspection	40 CFR, Part 60.482-8(a)	P/E	Visible, Audible, or olfactory Inspection
VOC	40 CFR, Part 60.482-8 (b)	Y		Pumps and Valves (heavy liquid), Pressure Relief Devices (liquid), Flanges, Connectors leak < 10,000 ppm	40 CFR, Part 60.482-8(a)	P/(5 days after leak noted by visual, audible, or olfactory inspection)	Visual, audible, olfactory Inspection; Measure for leaks
VOC	40 CFR, Part 60.482-9 (d)	Y		Pumps under "Delay of repair" repaired within 6 months	None	N	N/A
VOC	40 CFR, Part 60.482-10 (g)	Y		Closed vent leak < 500 ppm	40 CFR, Part 60.482-10 (f)(1)(i)	Initial Inspection Only	Method 21 inspection
VOC	40 CFR, Part 60.482-10 (g)	Y		Closed vent system - no visible, audible, olfactory evidence of leak	40 CFR, Part 60.482-10 (f)(1)(ii)	P/A	Visual Inspection

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – W1
Applicable Limits and Compliance Monitoring Requirements
COMPONENTS

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	40 CFR, Part 60.482-10 (g)	Y		Repair closed-vent systems leak (> 500 ppm for initial inspection only) or visible, audible, or olfactory leak indication. 1st repair attempt 5 day, repaired 15 days, or turnaround list	40 CFR, Part 60.482-10 (f)	P/When detectable emissions are measured or leak indication is observed	Repairs
VOC		Y		Individual valve that measures <10,000 ppm for 5 consecutive quarters may be monitored annually, if in a process unit with 5 consecutive quarters <2% valves leaking > 10,000 ppm.	40 CFR, Part 60.483-2(b)(3) (See footnote c)	P/A (if criteria are met)	Method 21 inspection
VOC		Y		Individual valve that measures <10,000 ppm for 2 consecutive quarters may be monitored semiannually, if in a process unit with 2 consecutive quarters <2% valves leaking ≥10,000 ppm.	40 CFR, Part 60.483-2(b)(2) (footnote c)	SA (if criteria are met)	Method 21 Inspection
VOC	40 CFR, Part 61.343 (a)(1)(i)(A)	Y		Tanks fittings leak ≤ 500 ppm	40 CFR, Part 61.343 (a)(1)(i)(A)	P/A	Method 21 Inspection
VOC	40 CFR, Part 61.345 (a)(1)(i)	Y		Container fittings leak ≤ to 500 ppm	40 CFR, Part 61.345 (a)(1)(i)	P/A	Method 21 Inspection

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – W1
Applicable Limits and Compliance Monitoring Requirements
COMPONENTS

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	40 CFR, Part 61.347 (a)(1)(i)(A)	Y		O/W Separator fittings leak ≤ 500 ppm	40 CFR, Part 61.347 (a)(1)(i)(A)	P/A	Method 21 Inspection
VOC	40 CFR, Part 61.347(b)	Y		No cracks or gaps between cover and O/W separator wall ; access hatches and other openings closed and gasketed properly	40 CFR, Part 61.347(b)	P/Q	Visual inspection
VOC	40 CFR, Part 61.349 (a)(1)(i)	Y		Closed-vent systems <500 ppm above background	40 CFR, Part 61.349 (a)(1)(i)	P/A	Method 21 Inspection
VOC	40 CFR, Part 61.349(g)	Y		First effort to repair visible defects within 5 days after detection; repair complete within 15 days except as allowing by 40 CFR, Part 61.350	40 CFR, Part 61.349(f)	P/Q	Visual inspection
VOC	Condition 1240, part I.14	Y		Emissions of NMHC < 42.705 tons per year	Condition 1240, parts I.18a, I.18b and I.18j	P/M	Calculations

Footnotes to Table VII-AL above:

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

[b] Connectors are inspected pursuant to a BAAQMD-approved Connector Inspection Program that satisfies the requirements of 8-18-401.6. Under this program, 20% of all of the Asphalt Plant's connectors are inspected each year provided the leak rate is < 1.5%. If the leak rate is > 1.5%, all connectors within the unit are inspected.

[c] The 40 CFR, Part 60.483-2 (Subpart VV) alternative screening schedule for valves is analogous to the Valero Alternative Inspection Schedule (see footnote "a") with two exceptions: 40 CFR, Part 60.483-2 uses a leak definition of 10,000 ppm VOC rather than 100 ppm TOC, and 40 CFR, Part 60.483-2 requires that the percentage of valves leaking facility-wide (at 10,000 ppm) must have been less than 2% for the five-quarter time period. For

VII. Applicable Limits and Compliance Monitoring Requirements

process units covered by refinery MACT, 63.648(a)(2) allows the percentage leaking to be determined on a refinery-wide basis. This applies to all process units except NSPS process units and except Dimersol and the Tail Gas Unit, which are not subject to MACT. Finally, any valve subject to Subpart VV must *individually* comply with BAAQMD Rule 8-18-404 (5 quarters with no leaks at 100 ppm) in order to be allowed to be screened less frequently than quarterly. As a practical matter, Subpart VV is effectively less stringent than the Valero Alternative Inspection Schedule.

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – X
Applicable Limits and Compliance Monitoring Requirements
A17 – ASPHALT LOADING RACK INCINERATOR

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
NOx	Condition 1240, part I.14	Y		Emissions of NOx < 40.047 tons per year	Condition 1240, parts I.18a,I.18i and I.18j	P/SA	Calculations
SO2	Condition 1240, part I.14	Y		Emissions of SO2 < 28.049 tons per year	None	N	N/A
VOC	BAAQMD 8-6-301	Y		21 g/cubic meter (0.17 lb/1000 gallons)	Condition 1240, part I.19	C	Temperature CPMS
VOC	Condition 1240, part I.14	Y		Emissions of NMHC < 42.705 tons per year	Condition 1240, parts I.18a, I.18g and I.18j	P/SA	Calculations
VOC	Condition 1240, part II.68	Y		98.5% destruction of vapors by weight (from S17)	Condition 1240, part I.19	C	Temperature CPMS
Opacity	BAAQMD 6-1-301	N		Ringelmann No. 1 for no more than 3 minutes in any hour	Condition 1240, part I.19	C	Temperature CPMS
Opacity	SIP 6-301	Y		Ringelmann No. 1 for no more than 3 minutes in any hour	Condition 1240, part I.19	C	Temperature CPMS
FP	BAAQMD 6-1-310	N		0.15 grain/dscf	Condition 1240, part I.19	C	Temperature CPMS
FP	SIP 6-310	Y		0.15 grain/dscf	Condition 1240, part I.19	C	Temperature CPMS
Through-put	Condition 1240, part I.5	Y		Maximum heat input to all asphalt plant combustion units < 93.6 MMbtu/hr	Condition 1240, part I.5	P/D	PG&E fuel meter
Temperature	n 1240, part I.19			Minimum Operating Temperature 1570F	Condition 1240, part I.19	C	Temperature CPMS

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – Y
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	Condition 1240, part I.14	Y		Emissions of NOx < 40.047 tons per year	Condition 1240, parts I.18a, I.18i and I.18j	P/SA	Calculations
SO2	Condition 1240, part I.14	Y		Emissions of SO2 < 28.049 tons per year	None	N	N/A
Opacity	BAAQMD 6-1-301	N		Ringelmann No. 1 for no more than 3 minutes in any hour	Condition 1240, part II.58b	C	Temperature CPMS
Opacity	SIP 6-301	Y		Ringelmann No. 1 for no more than 3 minutes in any hour	Condition 1240, II.58b	C	Temperature CPMS
Opacity	40 CFR, Part 60.472(c)	Y		0 percent opacity except for one consecutive 15-min period in any 24-hr period for cleaning	40 CFR, Part 60.473(c) 60.474(c)(4) Condition 1240, part II.58b	C	Temperature CPMS
FP	BAAQMD 6-1-310	N		0.15 gr/dscf	Condition 1240, part II.58b	C	Temperature CPMS
FP	SIP 6-310	Y		0.15 gr/dscf	Condition 1240, part II.58b	C	Temperature CPMS
VOC	BAAQMD 8-5-306	N		95% control of organic vapors (from S13, S59, S63)	BAAQMD 8-5-502.1 8-5-603	P/A	Source Test
VOC	SIP 8-5-306	Y		95% control of organic vapors (from S13, S59, S63)	Condition 1240, part II.58b	C	Temperature CPMS
VOC	BAAQMD 8-6-301	Y		21 g/cubic meter (0.17 lb/1000 gallons)	Condition 1240, part II.58b	C	Temperature CPMS
VOC	BAAQMD 8-8-301.3 and SIP 8-8-301.3	Y		95% combined collection and destruction efficiency (S66)	Condition 1240, part II.58b	C	Temperature CPMS
VOC	BAAQMD 8-8-305.2	Y		70% combined collection and destruction efficiency	Condition 1240, part II.58b	C	Temperature CPMS

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – Y
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
	SIP 8-8-305.2			(S27, S67)			
VOC	40 CFR, Part 60.112b(a) (3)(ii)	Y		95% control of organic vapors (from S13, S59, S63)	Condition 1240, part II.58b	C	Temperature CPMS
VOC	Condition 1240, part I.14	Y		Emissions of NMHC < 42.705 tons per year	Condition 1240, parts I.18a, I.18g and I.18j	P/SA	Calculations
VOC	Condition 1240, parts II.32a	Y		98.5% destruction of organic vapors by weight whenever petroleum and VOC materials are stored or transferred	Condition 1240, part II.58b	C	Temper-ature CPMS
Through-put	Condition 1240, part I.5	Y		Maximum heat input to all asphalt plant combustion units < 93.6 MMbtu/hr	Condition 1240, part I.5	P/D	PG&E fuel meter
Temper-ature limit	40 CFR, Part 60.113b(c) (1)(ii) & (c)(2)	Y		1400 ^{o} F Operating Temperature	40 CFR, Part 60.112b(c) (c)(2)	C	Temperature CPMS
Temper-ature limit	40 CFR, Part 60.473(c)	Y		1400 ^{o} F Operating Temperature	40 CFR, Part 60.473(c)	C	Temperature CPMS
Temper-ature limit	Condition 1240, part II.58b	Y		1400 ^{o} F Operating Temperature	Condition 1240, part II.58b	C	Temperature CPMS

VII. Applicable Limits and Compliance Monitoring Requirements

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

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

VII. Applicable Limits and Compliance Monitoring Requirements

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Hours of operation	Condition 22928 Part 1	Y		up to 50 hours for reliability testing	Condition 22928 Part 2	C	Totalizing meter for hours of operation
					Condition 22928 Part 3	P/M	records
NOx	Condition 1240, part I.14	Y		Emissions of NOx < 40.047 tons per year	Condition 1240, parts I.18a, I.18i and I.18j	P/SA	Calculations
SO2	BAAQMD 9-1-304	Y		Fuel Sulfur Limit 0.5% by weight	Condition 18796, Part 1	P/E	fuel certification
SO2	Condition 1240, part I.14	Y		Emissions of SO2 < 28.049 tons per year	None	N	N/A
SO2	Condition 18796, Part 1	Y		Fuel Sulfur Limit 0.05% by weight	Condition 18796, Part 1	P/E	fuel certification
NHMC	Condition 1240, part I.14	Y		Emissions of NMHC < 42.705 tons per year	Condition 1240, parts I.18a, I.18g and I.18j	P/SA	Calculations

VIII. TEST METHODS

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

Table VIII
Test Methods

Applicable Requirement	Description of Requirement	Acceptable Test Methods
BAAQMD 1-522	Continuous Emission Monitoring	Manual of Procedures, Volume V
BAAQMD 6-1-301 SIP 6-301	Ringelmann No. 1 Limitation	Manual of Procedures, Volume I, Evaluation of Visible Emissions
BAAQMD 6-1-303.1 SIP 6-303.1	Ringelmann No. 2 Limitation	Manual of Procedures, Volume I, Evaluation of Visible Emissions
BAAQMD 6-1-310 SIP 6-310	Particulate Weight Limitation	Manual of Procedures, Volume IV, ST-15, Particulates Sampling or EPA Reference Method 5 (40 CFR, Part 60, Appendix A), Determination of Particulate Emissions from Stationary Sources
BAAQMD 6-1-311 SIP 6-311	General Operations	Manual of Procedures, Volume IV, ST-15, Particulates Sampling or EPA Reference Method 5 (40 CFR, Part 60, Appendix A), Determination of Particulate Emissions from Stationary Sources
BAAQMD 8-5-117 8-5-601 8-5-602 8-5-604	Exemption, Low Vapor Pressure	Manual of Procedures, Volume III, Lab Method 28, Determination of Vapor Pressure of Organic Liquids from Storage Tanks, if organic compound is not listed in Table I or ç
BAAQMD 8-5-301 8-5-601 8-5-602 8-5-604	Storage Tanks Control Requirements – based on true vapor pressure	Manual of Procedures, Volume III, Lab Method 28, Determination of Vapor Pressure of Organic Liquids from Storage Tanks, if organic compound is not listed in Table I or Manual of Procedures, Volume III, Lab Method 13 for Reid Vapor Pressure
BAAQMD 8-5-303.2 8-5-206	Pressure vacuum valve gas-tight	EPA Reference Method 21 (40 CFR, Part 60, Appendix A), Determination of Volatile Organic Compound Leaks

VIII. Test Methods

Table VIII
Test Methods

Applicable Requirement	Description of Requirement	Acceptable Test Methods
8-5-403.1 8-5-605	determination (<500 ppm as methane)	
BAAQMD 8-5-303.2 8-5-502.1 8-5-603	Pressure vacuum valve vented to vapor recovery or disposal system (95% abatement requirement)	Manual of Procedures, Volume IV, ST-7, Non-Methane Organic Carbon Sampling
BAAQMD 8-5-304.6.1 8-5-206 8-5-412 8-5-605	External Floating Roof Leaking Pontoons gas-tight determination (<100 ppm as methane)	EPA Reference Method 21 (40 CFR, Part 60, Appendix A), Determination of Volatile Organic Compound Leaks
BAAQMD 8-5-306.1 8-5-502 8-5-502.1 8-5-603	Requirements for Approved Emission Control Systems (95% control requirement)	Manual of Procedures, Volume IV, ST-7, Non-Methane Organic Carbon Sampling Baseline emissions: API Bulletin 2518
BAAQMD 8-5-307.3 8-5-403.2 8-5-605	Pressure relief device gas tight determination (< 500 ppm as methane)	EPA Reference Method 21 (40 CFR, Part 60, Appendix A), Determination of Volatile Organic Compound Leaks
BAAQMD 8-5-307.3 8-5-502.1 8-5-603	Pressure relief device vented to vapor recovery or disposal system (95% abatement requirement)	Manual of Procedures, Volume IV, ST-7, Non-Methane Organic Carbon Sampling
BAAQMD 8-5-328.1	VOC emissions for tank	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
8-5-502.2 8-5-603	degassing (90% abatement requirement)	
BAAQMD 8-5-328.1 8-5-605	VOC emissions for tank degassing (organic concentration < 10,000 ppm as methane after degassing Measurements less than 10,000 ppm as methane are required for at least four consecutive measurements performed at intervals no shorter than 15 minutes each.)	EPA Reference Method 21 (40 CFR, Part 60, Appendix A), Determination of Volatile Organic Compound Leaks Place probe at least 12 inches above the bottom of the tank and above the surface of any sludge material on the bottom of the tank and at least 12 inches inside the tank measured from the inner surface of the tank wall.
BAAQMD 8-5-501.1 8-5-602	Records (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 8-6-301	Bulk Terminal Limitations	Manual of Procedures, Volume IV, ST-3, Bulk Gasoline Transfer Plants or ST-34, Bulk and Marine Loading Terminals, Vapor Recovery Units Refrigeration Unit or Carbon Adsorption Unit
BAAQMD 8-6-603	True Vapor Pressure	Manual of Procedures, Volume III, ST-3, Lab Method 28, Determination of Vapor Pressure of Organic Liquids
BAAQMD 8-6-604	True Vapor Pressure	Standard Reference Texts [Table 1, BAAQMD Regulation 8-5 OR EPA-450/3-87-026 [Exhibit A-2 in Appendix A or Appendix D] OR Raoult's Law of Partial Pressures for liquid mixtures as defined in BAAQMD 8-6-205 or ASTM Method D 2879-83
BAAQMD	Exemption,	Manual of Procedures, Volume III, ST-3, Lab Method 33,

VIII. Test Methods

Table VIII
Test Methods

Applicable Requirement	Description of Requirement	Acceptable Test Methods
8-8-112 8-8-601	Wastewater Analysis for Critical Organic Compounds	Determination of Dissolved Critical Volatile Organic Compounds in Wastewater Separators
BAAQMD 8-8-114 8-8-601	Exemption, Bypassed Oil-Water Separator or Air Flotation Influent	Manual of Procedures, Volume III, ST-3, Lab Method 33, Determination of Dissolved Critical Volatile Organic Compounds in Wastewater Separators
BAAQMD 8-8-301.3, 8-8-602	95% combined collection and destruction efficiency requirement	Manual of Procedures, Volume IV, ST-7, Non-Methane Organic Carbon Sampling, or Method 25, Determination of Total Gaseous Nonmethane Organic Emissions as Carbon, or Method 25A, Determination of Total Gaseous Organic Concentration Using a Flame Ionization Analyzer
BAAQMD 8-8-303 8-8-504 8-8-603	Gauging and Sampling Devices	EPA reference method 21 (40 CFR, Part 60, Appendix A), Determination of Volatile Organic Compound Leaks
BAAQMD 8-8-305.2, 8-8-602	70% combined collection and destruction efficiency requirement	Manual of Procedures, Volume IV, ST-7, Non-Methane Organic Carbon Sampling, or Method 25, Determination of Total Gaseous Nonmethane Organic Emissions as Carbon, or Method 25A, Determination of Total Gaseous Organic Concentration Using a Flame Ionization Analyzer
BAAQMD 8-8-312 8-8-504 8-8-603	Controlled Wastewater Collection System Components At Petroleum Refineries	EPA Method 21 (40 CFR, Part 60, Appendix A), Determination of Volatile Organic Compound Leaks – Portable hydrocarbon detector
BAAQMD 8-8-313.2 8-8-504 8-8-603	Uncontrolled Wastewater Collection System Components At Petroleum	EPA Method 21 (40 CFR, Part 60, Appendix A), Determination of Volatile Organic Compound Leaks – Portable hydrocarbon detector

VIII. Test Methods

Table VIII
Test Methods

Applicable Requirement	Description of Requirement	Acceptable Test Methods
	Refineries	
BAAQMD 8-10-601	Process Vessel Opening VOC Concentration	EPA reference method 21 (40 CFR, Part 60, Appendix A), Determination of Volatile Organic Compound Leaks
BAAQMD 8-15-305	Prohibition of Manufacture and Sale (liquid asphalt or emulsified liquid product)	ASTM Distillation Method D402, or ASTM Distillation Method D244
BAAQMD 8-18-110 8-18-603	Exemption, Controlled Seal Systems and Pressure Relief Devices (95% control requirement)	Manual of Procedures, Volume IV, ST-7, Non-Methane Organic Carbon Sampling, or Method 25, Determination of Total Gaseous Nonmethane Organic Emissions as Carbon, or Method 25A, Determination of Total Gaseous Organic Concentration Using a Flame Ionization Analyzer
BAAQMD 8-18-113 8-18-601	Exemption, Initial Boiling Point	ASTM D-1078-98 or ASTM D-86, Initial Boiling Point
BAAQMD 8-18-301, 8-18-302, 8-18-303, 8-18-304, 8-18-305 8-18-501 8-18-602	Leak inspection procedures	EPA reference method 21 (40 CFR, Part 60, Appendix A), Determination of Volatile Organic Compound Leaks
BAAQMD 8-18-306 8-18-604	Determination of mass emissions	EPA Protocol for Equipment Leak Emission Estimates, Chapter 4, Mass Emission Sampling, (EPA-453/R-95-017) November 1995
BAAQMD 9-1-301	Ground Level Monitoring	BAAQMD and SIP Manual of Procedures, Volume VI, Section 1, Area Monitoring
BAAQMD 9-1-304	Fuel Sulfur Content	Manual of Procedures, Volume III, Method 10, Determination of Sulfur in Fuel Oil
BAAQMD 9-1-313.2	Sulfur Removal and Recovery	Manual of Procedures, Volume III, Method 25, Determination of Sulfur in Effluents or equivalent method approved by APCO

VIII. Test Methods

Table VIII
Test Methods

Applicable Requirement	Description of Requirement	Acceptable Test Methods
	System	
SIP 9-1-313.2	Sulfur Removal and Recovery System	Manual of Procedures, Volume III, Method 25, Determination of Sulfur in Effluents or equivalent method approved by APCO
BAAQMD 9-1-501	Continuous Monitoring	Manual of Procedures, Volume V, Continuous Monitoring
BAAQMD 9-2-301	Ground Level Monitoring	BAAQMD and SIP Manual of Procedures, Volume VI, Section 1, Area Monitoring
BAAQMD 9-2-501	Continuous Monitoring	Manual of Procedures, Volume V, Continuous Monitoring
BAAQMD 9-10-301	Emission Limit for Facility, NOx: 0.033 lb NOx/MMBTU	Manual of Procedures, Volume IV, ST-13A, Oxides of Nitrogen, Continuous Sampling and ST-14, Oxygen, Continuous Sampling
BAAQMD 9-10-303	Emission Limit For Facility (Federal Requirements)	Manual of Procedures, Volume IV, ST-13A, Oxides of Nitrogen, Continuous Sampling and ST-14, Oxygen, Continuous Sampling
BAAQMD 9-10-305	CO emission limit	Manual of Procedures, Volume IV, ST-6, Carbon Monoxide, Continuous Sampling and ST-14, Oxygen, Continuous Sampling
BAAQMD 9-10-306.2	Small unit tune-up requirements	Manual of Procedures, Volume I, Chapter 5, Boiler, Steam Generator, and Process Heater Tuning Procedure
BAAQMD 9-10-601	Determination of Nitrogen Oxides	Manual of Procedures, Volume IV, ST-13A, Oxides of Nitrogen, Continuous Sampling and ST-14, Oxygen, Continuous Sampling
BAAQMD 9-10-602	Determination of Carbon Monoxide and Stack-Gas Oxygen	Manual of Procedures, Volume IV, ST-6, Carbon Monoxide, Continuous Sampling and ST-14, Oxygen, Continuous Sampling
40 CFR, Part 60 Subpart J	**Standards of Performance for Petroleum Refineries**	
40 CFR, Part 60.104(a)(1)	Fuel gas H2S concentration limit	40 CFR, Part 60, Appendix A, EPA Method 11, Determination of Hydrogen Sulfide Content of Fuel Gas Streams in Petroleum Refineries, and 40 CFR, Part 60, Appendix B, Performance Specification 7, Specifications and Test Procedures for Hydrogen Sulfide

VIII. Test Methods

Table VIII
Test Methods

Applicable Requirement	Description of Requirement	Acceptable Test Methods
		Continuous Emission Monitoring Systems in Stationary Sources
40 CFR, Part 60 Subpart Kb	**Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984 (10/15/03)**	
40 CFR, Part 60.112b(a) 60.116b	Vapor Pressure	ASTM Method D2879-83, 96, or 97. Test Method for Vapor Pressure-Temperature Relationship and Initial Decomposition Temperature of Liquids by Isoteniscope.
40 CFR, Part 60.112b(a)(3) (i)	Standard for Volatile Organic Compounds (VOC); Closed vent system and control device no detectable emissions	60 Subpart VV, 40 CFR, Part 60.485(b): EPA Reference Method 21 (40 CFR, Part 60, Appendix A), Determination of Volatile Organic Compound Leaks
40 CFR, Part 60 Subpart VV	**Standards of Performance for Equipment Leaks (Fugitive Emission Sources) after January 5, 1981 and on or before November 7, 2006 (6/2/2008)**	
40 CFR, Part 60.482-1 through 60.482-10 60.483 60.485(b)	Leak inspection procedures	EPA reference method 21 (40 CFR, Part 60, Appendix A), Determination of Volatile Organic Compound Leaks
40 CFR, Part 60.482-2(e), 60.482-4a(a), 60.482-4(b), 60.482-7a(f) ; 60.485(c)	No detectable emissions standards	EPA reference method 21 (40 CFR, Part 60, Appendix A), Determination of Volatile Organic Compound Leaks
40 CFR, Part 60.482-1 through 60.482-10 60.485(d)	Determine % VOC content in process fluid (VOC service determination)	ASTM E260-73, 91, or 96 OR ASTM E168-67, 77, or 92 OR ASTM E169-63, 77, or 93
40 CFR, Part 60.482-2 60.482-7	Demonstrate equipment is in light liquid	ASMT D2879-83, 96, or 97 (Vapor pressure) OR Standard reference texts

VIII. Test Methods

Table VIII
Test Methods

Applicable Requirement	Description of Requirement	Acceptable Test Methods
60.483 60.485(e)	service	
40 CFR, Part 60 Subpart VVa	**Standards of Performance for Equipment Leaks (Fugitive Emission Sources) after November 7, 2006 (6/2/2008)**	
40 CFR, Part 60.482-1a through 60.482-10a 60.483a 60.485a(b)	Leak inspection procedures	EPA reference method 21 (40 CFR, Part 60, Appendix A), Determination of Volatile Organic Compound Leaks
40 CFR, Part 60.482-2a(e), 60.482-4(aa), 60.482-4a(b), 60.482-7(af) ; 60.485a(c)	No detectable emissions standards	EPA reference method 21 (40 CFR, Part 60, Appendix A), Determination of Volatile Organic Compound Leaks
40 CFR, Part 60.482-1a through 60.482-10a 60.485a(d)	Determine % VOC content in process fluid (VOC service determination)	ASTM E260-73, 91, or 96 OR ASTM E168-67, 77, or 92 OR ASTM E169-63, 77, or 93
40 CFR, Part 60.482-2a 60.482-7a 60.483a 60.485a(e)	Demonstrate equipment is in light liquid service	ASMT D2879-83, 96, or 97 (Vapor pressure) OR Standard reference texts
40 CFR, Part 61 Subpart FF	**National Emission Standards for Benzene Waste Operations**	
40 CFR, Part 61.342(e)(2)(i)	Uncontrolled Benzene Wastewater Limit	40 CFR, Part 61 Subpart FF 61.355(k) Test Methods, Procedures, and Compliance Provisions
61.345(a)(1) (i) 61.355(h)	Standards: Containers--Covers and Openings, no	EPA reference method 21 (40 CFR, Part 60, Appendix A), Determination of Volatile Organic Compound Leaks

VIII. Test Methods

Table VIII
Test Methods

Applicable Requirement	Description of Requirement	Acceptable Test Methods
	detectable emissions	
61.355(c)(3)	Measure benzene concentration in waste streams	From "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Publication No. SW-846: (1) Method 8020, Aromatic Volatile Organics, (2) Method 8021, Volatile Organic Compounds in Water by Purge and Trap Capillary Column Gas Chromatography with Photoionization and Electrolytic Conductivity Detectors in Series (3) Method 8240, Gas Chromatography/Mass Spectrometry for Volatile Organics (4) Method 8260, Gas Chromatography/Mass Spectrometry for Volatile Organics: Capillary Column Technique From 40 CFR Part 136, Appendix A, Test Procedures for Analysis of Organic Pollutants, for wastewaters for which these are approved EPA methods: (1) Method 602, Purgeable Aromatics, Method 624, Purgeables
BAAQMD Condition 1240, parts II.26, II.31, II.31a, II.42, II.50, II.51, II.52, II.64a, II.71, II.72, II.73, II.90 BAAQMD Condition 20762, parts 1, 2	Vapor pressure determination	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.

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
COMPONENTS

Subsumed Requirement Citation	Title or Description	Streamlined Requirements	Title or Description
NSPS Subpart VV, 40 CFR, Part 60.482-2(c)	Pump Leak above 10,000 ppm or dripping liquid: First repair attempt before 5 days and repair before 15 days.	BAAQMD 8-18-303	Minimization of pump leak > 500 ppm within 24 hours and repair within 7 days.
NSPS Subpart VV, 40 CFR, Part 60.482-7(d)	Valve Leak above 10,000 ppm: First repair attempt before 5 days and repair before 15 days.	BAAQMD 8-18-302	Minimization of valve leak > 100 ppm within 24 hours and repair within 7 days.
NSPS Subpart VV, 40 CFR, Part 60.482-7(g)	Allows relief from 60.482.7(a) monitoring if designated as unsafe-to-monitor.	BAAQMD 8-18-404	BAAQMD Regulation 8-18-404 does not allow this relief.
NSPS Subpart VV, 40 CFR, Part 60.482-7(h)	Allows relief from 60.482.7(a) monitoring if designated as difficult-to-monitor.	BAAQMD 8-18-206	Definition of inaccessible is more stringent. Both 60.482.7(h) and 8-18-401.3 require yearly monitoring for difficult-to-monitor valves.

IX. Permit Shield

Table IX B – 1
Permit Shield for Subsumed Requirements
COMPONENTS

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

X. REVISION HISTORY

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

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

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

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

Significant Revision October 17, 2007
- Application 10333/10334 Abatement Modifications for S26 & S27
  Revisions to Table IIB, IV-R & S and VII-R & S
- Application 11356 NOx Box Creation for S19, S20 & S21.
  Change in NOx Box Condition 21233 in Section VI
- Application 11815 A4 Operating Temperature
  Condition 1240, part I.19 in Section VI and Table VII – AM
- Application 12703/12704 A-31 Operating Temperature
  Change in Condition 1240.II.58b in Section VI and Table VII – P
- Application 12421 Tank Operation in Low Vapor Pressure Service
  Addition of Condition 20762, changes to Tables IV-A and VII – A
- Application 12477/12660 Minor Revisions to NOx Box Condition 21233
  Miscellaneous clarifications including Part 7.A.1 in Section VI.
- Application 12236/12237 S24 Abatement Service Operating Temperature
  Change in Condition 1240.II.58b and Table VII – AN

IX. Permit Shield

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

Renewal (Application 18289) (December 20, 2010)

Application 17031/17030 Administrative Amendment to allow temperature excursion for A-31 thermal oxidizer
Application 19194/19193 Atmospheric PRD removal project
Application 19635/19384 Signification permit revision for A31/S24 minimum operating temperature
Application 19643/19631 Compliance option for Benzene Waste NESHAP 40 CFR, Part 61 Subpart FF
Application 21641/TBD Archiving S14 and S15, replacement of A4 with A17

XI. GLOSSARY

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

ACT
Federal Clean Air Act

BAAQMD
Bay Area Air Quality Management District

BACT
Best Available Control Technology

CAA
The federal Clean Air Act

CAAQS
California Ambient Air Quality Standards

CEM
Continuous Emission Monitor

CEQA
California Environmental Quality Act

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

CO
Carbon Monoxide

CO2
Carbon Dioxide

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

dscm
dry standard cubic meter

XI. Glossary

District
The Bay Area Air Quality Management District

EMP
Environmental Management Plan

EPA
The federal Environmental Protection Agency.

Excluded
Not subject to any District regulations.

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

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

GLM
Ground Level Monitor

H2S
Hydrogen Sulfide

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

HC
Hydrocarbon

IERC
Interchangeable Emission Reduction Credit

LEL
Lower Explosive Limit

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

XI. Glossary

MDWEIGHT
Thousand Dead Weight Tons

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

MM
Million

MOP
The District's Manual of Procedures.

NA
Not applicable

NAAQS
National Ambient Air Quality Standards

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

NH3
Ammonia

NMHC
Non-methane Hydrocarbons

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.)

XI. Glossary

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.

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, Part 72 from Titles IV and V of the Clean Air Act.

POC
Precursor Organic Compounds

PM
Particulate Matter

PMP
Prevention Measures Procedures

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

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

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

RACT
Reasonably Available Control Technology

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

XI. Glossary

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

SO2
Sulfur dioxide

SO_3
Sulfur trioxide

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

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

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

TRMP
Toxic Risk Management Plan

TSP
Total Suspended Particulate

TVP
True Vapor Pressure, psia

VOC
Volatile Organic Compounds

VOL
Volatile Organic Liquid

XI. Glossary

Units of Measure:

bbl	=	barrel
bhp	=	brake-horsepower
btu	=	British Thermal Unit
cm	=	centimeter
g	=	grams
gal	=	gallon
gpm	=	gallons per minute
hp	=	horsepower
hr	=	hour
lb	=	pound
in	=	inches
max	=	maximum
m	=	meter
m^2	=	square meter
min	=	minute
mm	=	millimeter
Mm	=	million
ppmv	=	parts per million, by volume
ppmw	=	parts per million, by weight
psia	=	pounds per square inch, absolute
psig	=	pounds per square inch, gauge
scfm	=	standard cubic feet per minute
yr	=	year