Bay Area Air Quality Management District

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

~~Final~~Draft

MAJOR FACILITY REVIEW PERMIT

Issued To:

Tesoro Refining and Marketing Company
Facility #B2758 & Facility #B2759

Facility Addresses:

Facility #B2758	Facility #B2759
Avon Refinery	Amorco Terminal
150 Solano Way	1750 Marina Vista Way
Martinez, CA 94553	Martinez, CA 94553

Mailing Address:
Avon Refinery, 150 Solano Way
Martinez, CA 94533

Responsible Official	**Facility Contact**
William Bodnar	Alan A. Savage III
General Refinery Manager	Environmental Manager
(925) 228-1220	(925) 228-1220

Type of Facility: **Petroleum Refining**
Primary SIC: 2911
Product: Refined Petroleum Products

BAAQMD Engineering Division Contact:
Arthur Valla~~Pamela Leong~~

ISSUED BY THE BAY AREA AIR QUALITY MANAGEMENT DISTRICT

_____ _____
Jack P. Broadbent, Executive Officer/Air Pollution Control Officer Date

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I. STANDARD CONDITIONS

A. Administrative Requirements

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

BAAQMD Regulation 1 - General Provisions and Definitions
(as amended by the District Board on 5/2/01);
SIP Regulation 1 - General Provisions and Definitions
(as approved by EPA through 8/27/99);
BAAQMD Regulation 2, Rule 1 - Permits, General Requirements
(as amended by the District Board on 8/1/01);
SIP Regulation 2, Rule 1 - Permits, General Requirements
(as approved by EPA through 2/25/99);
BAAQMD Regulation 2, Rule 2 - Permits, New Source Review
(as amended by the District Board on 5/17/00);
SIP Regulation 2, Rule 2 - Permits, New Source Review and Prevention of Significant Deterioration
(as approved by EPA through 2/25/99);
BAAQMD Regulation 2, Rule 4 - Permits, Emissions Banking
(as amended by the District Board on 5/17/00);
SIP Regulation 2, Rule 4 - Permits, Emissions Banking
(as approved by EPA through 2/25/99); and
BAAQMD Regulation 2, Rule 6 - Permits, Major Facility Review
(as amended by the District Board on 5/2/01).

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

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

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

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

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

I. Standard Conditions

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

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 which is subject to this permit to the APCO and/or to his or her designee.

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(Regulation 1-440, Regulation 2-6-409.3; MOP Volume II, Part 3, §4.14)

E. Records

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

F. Monitoring Reports

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

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

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

G. Compliance Certification

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

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

I. Standard Conditions

Attention: Air-3
(MOP Volume II, Part 3, §4.5 and 4.15)

H. Emergency Provisions

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

I. Severability

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

J. Miscellaneous Conditions

1. In Table II-A or Table II-C, for each source with a capacity identified as a firm limit, the maximum capacity for each source as shown in Table II-A or Table II-C is the maximum allowable capacity. Exceedance of the maximum allowable capacity for any source is a violation of Regulation 2, Rule 1, Section 301. (Regulation 2-1-301)
2. In Table II-A or Table II-C, for each source with a capacity identified as a grandfathered limit, all capacities as shown in Table II-A and Table II-C are based upon District records at the time of the MFR permit issuance. The facility must report any exceedance of these limits following the procedures in Section I.F. This reporting requirement is intended to facilitate a determination of whether a modification has occurred as defined in Regulation 2-1-234.3. The throughput limits for grandfathered sources are for reporting purposes only. Exceedance of this limit does not establish a presumption that a modification has occurred, nor does compliance with the limit establish a presumption that a modification has not occurred. (Regulation 2-1-234.3)
3. Reserved.
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,

I. Standard Conditions

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.

K. Accidental Release

This facility is subject to 40 CFR Part 68, Chemical Accident Prevention Provisions. The permit holder shall submit a risk management plan (RMP) by the date specified in §68.10. The permit holder shall also certify compliance with the requirements of Part 68 as part of the annual compliance certification, as required by Regulation 2, Rule 6. (40 CFR Part 68, Regulation 2, Rule 6)

II. Equipment

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 pursuant to 2-1-301. Throughput limits function as reporting thresholds as described in Standard Conditions J.

Plant #B2758 Tesoro Refining and Marketing Company

S-#	Description	Make or Type	Model	Capacity	Grandfathered Limt, or Firm Limit and Basis
26	Tank A-26 Gasoline	External floating roof		4,536K gal 10,375K bbl/yr	Grandfathered Limit
33	Tank A-33 Gasoline	External floating roof		4,536K gal 10,375K bbl/yr	Grandfathered Limit
97	FCCU Catalyst Fines Hopper			14,600 ton/yr	Grandfathered Limit
98	FCCU East Catalyst Hopper			5,475 ton/yr	Grandfathered Limit
99	FCCU West Catalyst Hopper			9,125 ton/yr	Grandfathered Limit
100	Avon Wharf Loading Berth No. 1 Marine Bulk Plant with A14 Vapor Recovery System , Loading: Crude Oil, Gasoline, Diesel, Jet A, No. 6 Fuel Oil, Naphtha, Kerosene, Gas Oil			30,000K bbl/yr	Grandfathered Limit
101	Truck Rack Unloading only: Crude Oil, Naphtha, Transmix, Fuel Oil			7,300K bbl/yr	Grandfathered Limit
103	Vehicle Service Station			540,000 gal/yr	Firm Limit Condition #8003, part 5
106	Avon Wharf Loading Berth No. 3 Marine Bulk Plant ; Loading: Crude Oil, Gasoline, Diesel, Jet A, No. 6 Fuel Oil, Naphtha, Kerosene, Gas Oil			15,000K bbl/yr	Grandfathered Limit
107	Avon Wharf Loading Berth No. 4 Marine Bulk Plant; Loading: Crude Oil, Gasoline, Diesel, Jet A, No. 6 Fuel Oil, Naphtha, Kerosene, Gas Oil			15,000K bbl/yr	Grandfathered Limit

II. Equipment

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S-#	Description	Make or Type	Model	Capacity	Grandfathered Limt, or Firm Limit and Basis
108	Avon Wharf Loading Berth No. 5 Marine Bulk Plant; Loading: Crude Oil, Gasoline, Diesel, Jet A, No. 6 Fuel Oil, Naphtha, Kerosene, Gas Oil			15,000K bbl/yr	Grandfathered Limit
114	Avon Wharf Loading Berth No. 6 Marine Bulk Plant; Loading: Crude Oil, Gasoline, Diesel, Jet A, No. 6 Fuel Oil, Naphtha, Kerosene, Gas Oil			15,000K bbl/yr	Grandfathered Limit
125	Tank Car Loading Rack Loading: Kerosene, Diesel, Fuel Oil			18,800K bbl/yr	Grandfathered Limit
134	Tank A-134 Recovered Oil	Fixed roof tank		651K gal 700 Kbbl/yr	Firm Limit Condition #20923, part 1
135	Tank A-135 Fuel Oil, Jet 'A', Gas Oil, Recovered Oil	External floating roof		651K gal 25,029K bbl/yr	Grandfathered Limit
137	Tank A-137 Fuel Oil #2, Waste Oil, Gasoline	Fixed roof tank		659K gal 1,915K bbl/yr	Firm Limit Condition #10984, part 2
217	Tank A-217 Ethers, Gasoline	External floating roof		4,494K gal 10,375K bbl/yr	Grandfathered Limit
278	Tank A-278 Naphtha, Alkylate, Gasoline	Internal floating roof		2,960K gal 12,775K bbl/yr	Grandfathered Limit
279	Tank A-279 Gasoline	Internal floating roof		3,360K gal 12,000K bbl/yr	Grandfathered Limit
280	Tank A-280 Gasoline	Internal floating roof		3,360K gal 12,000K bbl/yr	Grandfathered Limit
311	Tank A-311 Gasoline, Naphtha	Internal floating roof		3,318K gal 14,600K bbl/yr	Grandfathered Limit
313	Tank A-313 Gasoline	Internal floating roof		3,318K gal 7,300K bbl/yr	Grandfathered Limit

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Plant #B2758 Tesoro Refining and Marketing Company

S-#	Description	Make or Type	Model	Capacity	Grandfathered Limt, or Firm Limit and Basis
~~314~~	~~Tank A-314~~ ~~Gasoline, Ethers~~	~~Internal floating roof~~		~~3,331K gal~~ ~~7,700K bbl/yr~~	~~Grandfathered Limit~~
315	Tank A-315 Gasoline	Internal floating roof		3,318K gal 7,700K bbl/yr	Grandfathered Limit
316	Tank A-316 Gasoline	Internal floating roof		3,337K gal 7,700K bbl/yr	Grandfathered Limit
317	Tank A-317 Distillate Oil, Gas Oil, Gasoline	Fixed roof		3,066K gal 16,500K bbl/yr	Grandfathered Limit
318	Tank A-318 Crude Oil, Naphtha	Fixed roof		6,846K gal 9,125K bbl/yr	Grandfathered Limit
323	Tank A-323 Fuel Oil, Jet 'A', Gasoline, Alkylate Gasoline Blending Components	Fixed roof		924K gal 2,000K bbl/yr	Firm Limit Condition #13605, part 1
324	Tank A-324 Distillate Oil, Gas Oil, Gasoline	Fixed roof		3,318K gal 12,800K bbl/yr	Grandfathered Limit
325	Tank A-325 Caustic Waste, Gasoline	Fixed roof		1407K gal 5000K bbl/yr	Grandfathered Limit
327	Tank A-327 Caustic Waste	Fixed roof		634K gal 5000K bbl/yr	Grandfathered Limit
367	Tank A-367 Distillate Oil, Gasoline	Fixed roof		3,360K gal 10,200K bbl/yr	Grandfathered Limit
403	Tank A-403 Crude Oil, Bunker C Fuel Oil, Distillate Oil, Gas Oil	Fixed roof		567K gal 5000K bbl/yr	Grandfathered Limit
~~428~~	~~Tank A-428~~ ~~Gas Oil, Gasoline~~	~~External floating roof~~		~~932K gal~~ ~~25,029K bbl/yr~~	~~Grandfathered Limit~~
431	Tank A-431 Naphtha, Distillate Oil, Gasoline	Fixed roof		3,318K gal 18,771K bbl/yr	Grandfathered Limit
432	Tank A-432 Ethyl Alcohol, Distillate Oil, Gasoline, Methyl Tertiary-Butyl Ether, Naphtha	Fixed roof		2,688K gal 7,382K bbl/yr	Grandfathered Limit

II. Equipment

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Plant #B2758 Tesoro Refining and Marketing Company

S-#	Description	Make or Type	Model	Capacity	Grandfathered Limt, or Firm Limit and Basis
452	Tank A-452 Ammonia	Fixed roof		45K gal 5000K gal/yr	Grandfathered Limit
457	Tank A-457 Alkylate, Gasoline, Methyl Tertiary-Butyl Ether	Fixed roof		630K gal 5000K bbl/yr	Grandfathered Limit
490	Tank A-490 Recovered Oil, Gas Oil	External floating roof		420K gal 1100K bbl/yr	Grandfathered Limit
499	Tank A-499 Crude Oil	Fixed roof		4.2K gal 5K bbl/yr	Grandfathered Limit
513	Tank A-513 Distillate Oil, Gas Oil	Fixed roof		924K gal 5000K bbl/yr	Grandfathered Limit
529	Tank A-529 Refinery Sour Waste Water	Fixed roof		118K gal 160000K bbl/yr	Grandfathered Limit
530	Tank A-530 Refinery Sour Waste Water	Fixed roof		118K gal 160000K bbl/yr	Grandfathered Limit
532	Oil Water Separator; Tank 532	Custom		630K gal 2,505,360 bbl/yr	Firm Limit Condition #20099, part 1
587	Tank A-587 Refinery Sour Waste Water	Internal floating roof		1,151K gal 9500K bbl/yr	Grandfathered Limit
588	Tank A-588 Refinery Sour Waste Water	Internal floating roof		1,151K gal 9500K bbl/yr	Grandfathered Limit
590	DEA Flash Drum			29,096K bbl/yr	Grandfathered Limit
601	Tank A-601 Recovered Oil, Gas Oil	Internal floating roof		714K gal 3,650K bbl/yr	Grandfathered Limit
603	Tank A-603 Organic Liquid – other/not Spec	Fixed roof		126K gal 25,029K bbl/yr	Grandfathered Limit
606	50 Unit Wastewater Air Stripper A			700 SCFM367,920,000 SCF/yr	Firm Limit Condition #7410, part 2
607	50 Unit Wastewater Air Stripper B			700 SCFM 367,920,000 SCF/yr	Firm Limit Condition #7410, part 2

II. Equipment

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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 pursuant to 2-1-301. Throughput limits function as reporting thresholds as described in Standard Conditions J.

Plant #B2758 Tesoro Refining and Marketing Company

S-#	Description	Make or Type	Model	Capacity	Grandfathered Limt, or Firm Limit and Basis
612	Tank A-612 Ethyl Alcohol, Gasoline	Internal floating roof		420K gal 243K bbl/yr	Firm Limit Condition #6740, part 1
613	Tank A-613 Organic Liquid – other/not Spec	Fixed roof		420K gal 5000K bbl/yr	Grandfathered Limit
622	Tank A-622 Mixture of Diesel and Kerosene	Fixed roof		3360K gal 14600K bbl/yr	Grandfathered Limit
631	Tank A-631 Crude Oil, Bunker C Fuel Oil, FCC Fresh Feed, Refinery, Fuel Oil #2, Gas Oil	External floating roof		5,502K gal 11,000K bbl/yr	Grandfathered Limit
637	Tank A-637 Naphtha	External floating roof		3,360K gal 7,300K bbl/yr	Grandfathered Limit
638	Tank A-638 Naphtha, Gas Oil, Gasoline	External floating roof		3,360K gal 11,000K bbl/yr	Grandfathered Limit
639	Tank A-639 Naphtha	External floating roof		3,360K gal 11,000K bbl/yr	Grandfathered Limit
640	Tank A-640 Distillate Oil, Gasoline	External floating roof		3,360K gal 11,000K bbl/yr	Grandfathered Limit
641	Tank A-641 Distillate Oil, Gasoline	External floating roof		3,360K gal 11,000K bbl/yr	Grandfathered Limit
642	Tank A-642 Hydrocarbon, Gas Oil	External floating roof		1,806K gal 25,029K bbl/yr	Grandfathered Limit
650	Tank A-650 Refinery Sour Waste Water	External floating roof		5,502K gal 17,520K bbl/yr	Grandfathered Limit
651	Tank A-651 Oil/Water Mixture	External floating roof		5,502K gal 17,520K bbl/yr	Grandfathered Limit
655	Tank A-655 Refinery Sour Waste Water	Fixed roof		228K gal 6000 bbl/yr	Grandfathered Limit
656	Tank A-846 Refinery Sour Waste Water	Fixed roof		126K gal 28,470K bbl/yr	Grandfathered Limit

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 pursuant to 2-1-301. Throughput limits function as reporting thresholds as described in Standard Conditions J.

Plant #B2758 Tesoro Refining and Marketing Company

S-#	Description	Make or Type	Model	Capacity	Grandfathered Limt, or Firm Limit and Basis
657	Tank A-657 Refinery Sour Waste Water	Fixed roof		48K gal 1K bbl/yr	Grandfathered Limit
658	Tank A-847 Refinery Sour Waste Water	Fixed roof		126K gal 28,470K bbl/yr	Grandfathered Limit
659	Tank A-659 [Coke Storage]	United Conveyor Co.		1,016,160 ton/yr (limit applies to S659 and S660 combined in fluid coke service) 1,277,500 wet tons/ consecutive 12 months combined limit for S-659, S-660, S-1514, & S-1515 (in delayed coke service)	Firm Limit Condition #20682, part 2 Firm Limit derived from Condition #23129, parts 29 & 44
660	Tank A-660 [Coke Storage]	United Conveyor Co.		1,016,160 ton/yr (limit applies to S659 and S660 combined in fluid coke service) 1,277,500 wet tons/ consecutive 12 months combined limit for S-659, S-660, S-1514, & S-1515 (in delayed coke service)	Firm Limit Condition #20682, part 2 Firm Limit derived from Condition #23129, parts 29 & 44
663	Tank A-663 Alcohol, Amine, Caustic Waste	Fixed roof		21K gal 500K bbl/yr	Grandfathered Limit
664	Tank A-664 Gasoline	External floating roof		5,460K gal 12,800K bbl/yr	Grandfathered Limit

II. Equipment

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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 pursuant to 2-1-301. Throughput limits function as reporting thresholds as described in Standard Conditions J.

Plant #B2758 Tesoro Refining and Marketing Company

S-#	Description	Make or Type	Model	Capacity	Grandfathered Limt, or Firm Limit and Basis
690	Tank A-690 Crude Oil	External floating roof		13,020K gal 25,550K bbl/yr	Grandfathered Limit
692	Tank A-692 Gasoline	External floating roof		3,276K gal 10,000K bbl/yr	Grandfathered Limit
694	Tank A-694 Crude Oil	External floating roof		13,230K gal 21,900K bbl/yr	Grandfathered Limit
696	Tank A-696 Gasoline	Internal floating roof		630K gal 2,000K bbl/yr	Grandfathered Limit
697	Tank A-697 Gasoline	Internal floating roof		630K gal 2,000K bbl/yr	Grandfathered Limit
698	Tank A-698 Ethyl Alcohol, Fuel Oil, Jet 'A', Gasoline	Internal floating roof		630K gal 2,000K bbl/yr	Grandfathered Limit
699	Tank A-699 Hydrocarbon	Fixed roof		777K gal 500K bbl/yr	Grandfathered Limit
700	Tank A-700 Crude Oil, Waste Water	Fixed roof		84K gal 2,500K bbl/yr	Grandfathered Limit
701	Tank A-701 Crude Oil	External floating roof		13,020K gal 21,900K bbl/yr	Grandfathered Limit
702	Tank A-702 Gasoline	External floating roof		5,502K gal 12,800K bbl/yr	Grandfathered Limit
705	Tank A-705 Crude Oil	External floating roof		9,366K gal 21,900K bbl/yr	Grandfathered Limit
706	Tank A-706 Crude Oil	External floating roof		4,746K gal 18,250K bbl/yr	Grandfathered Limit
707	Tank A-707 Crude Oil, Hydrocarbon	External floating roof		4,746K gal 18,250K bbl/yr	Grandfathered Limit
708	Tank A-708 Crude Oil	External floating roof		13,146K gal 21,900K bbl/yr	Grandfathered Limit
709	Tank A-709 Crude Oil, Waste Oil	External floating roof		4,746K gal 18,250K bbl/yr	Grandfathered Limit

II. Equipment

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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 pursuant to 2-1-301. Throughput limits function as reporting thresholds as described in Standard Conditions J.

Plant #B2758 Tesoro Refining and Marketing Company

S-#	Description	Make or Type	Model	Capacity	Grandfathered Limt, or Firm Limit and Basis
710	Tank A-710 Alkylate, Gasoline	External floating roof		3,360K gal 12,800K bbl/yr	Grandfathered Limit
711	Tank A-711 Crude Oil, Gasoline	External floating roof		3,360K gal 12,800K bbl/yr	Grandfathered Limit
714	Tank A-714 Organic Liquid – other/not Spec, Hydrocarbon	Fixed roof		231K gal 6,257K bbl/yr	Grandfathered Limit
739	Avon Wharf Slop Tank Crude Oil	Horizontal vessel		1.5K gal 1,689K bbl/yr	Grandfathered Limit
741	Pour Depressant Tank Organic Liquid – other/not Spec	Fixed roof		21K gal 5000 gal/yr	Grandfathered Limit
743	Fuel Tank for Speeder Gasoline	Horizontal vessel		252 gal 100 bbl/yr	Grandfathered Limit
746	Fire Training Fuel Tank Gasoline	Fixed roof		420 gal 500 gal/yr	Grandfathered Limit
771	Tank A-713 Alcohol, Amine	External floating roof		84K gal 17,520K bbl/yr	Grandfathered Limit
775	Tank A-849 Gasoline	Internal floating roof		4,605K gal 11,336,000 bbl/yr	Firm Limit Condition #19762, part A1
795	Tank A-307 1,1,1-Trichloroethane, Perchloroethylene	Horizontal vessel		1.7K gal 11,000 gal/yr	Firm Limit Condition #5711, part 1
802	FCCU Fluid Catalytic Cracker	Reactor UOP Riser Cracker Regenerator (Bechtel)		75K bbl/day 27,375K bbl/yr	Grandfathered Limit
804	FCCU Blowdown Tower			2.73K bbl/day 273K bbl/Yr	Grandfathered Limit
806	Coker Fluid Coking	Esso License (Bechtel)		53.2K bbl/day 17,447K bbl/yr	Grandfathered Limit

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 pursuant to 2-1-301. Throughput limits function as reporting thresholds as described in Standard Conditions J.

Plant #B2758 Tesoro Refining and Marketing Company

S-#	Description	Make or Type	Model	Capacity	Grandfathered Limt, or Firm Limit and Basis
807	Coker Blowdown Drum			1 bbl/day 365 bbl/yr	Grandfathered Limit
808	Coker Sluice Tank			7.2K ton/day 400K ton/yr	Grandfathered Limit
809	Coker Slurry Settler	Dorr		16.4K bbl/day 6,000K bbl/yr	Grandfathered Limit
810	Coker Pile Loader System	Barber-Greene		7,200 ton/day 400K ton/yr	Grandfathered Limit
815	No. 1 Feed Prep Unit	Worthington		84K bbl/day 30,660K bbl/yr	Grandfathered Limit
816	No. 2 Feed Prep Unit	Elliott Co.		48K bbl/day 17,520K bbl/yr	Grandfathered Limit
817	No. 3 Crude Unit	Elliot Co.		63K bbl/day 22,995K bbl/yr	Firm Limit Condition #19762, part 1, part 2
819	API Oil-Water Separator	Bechtel		729K bbl/day 133,225K bbl/yr	Grandfathered Limit
821	Coke Storage Pile			7.2K ton/day 400K ton/yr	Grandfathered Limit
~~822~~	~~Thermal Area Blowdown [with Quench System w/ Controls]~~			~~2.73K bbl/day~~ ~~273K bbl/Yr~~	~~Grandfathered Limit~~
823	Heat Exchanger Cleaning Pit North [Tank M286]	Water Wash		10,000 kgal/yr	Grandfathered Limit
824	Heat Exchanger Cleaning Pit South [Tank M287]	Water Wash and Diesel		1,008 kgal/yr	Grandfathered Limit
825	DEA Regenerator			2130 gpm as feed	Grandfathered Limit
831	Bio-Oxidation Pond Open pond			2,400K bbl/day 133,225K bbl/yr	Grandfathered Limit
834	No. 50 Crude Blowdown Drum w/o Controls			2.73K bbl/day 273K bbl/Yr	Grandfathered Limit

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 pursuant to 2-1-301. Throughput limits function as reporting thresholds as described in Standard Conditions J.

Plant #B2758 Tesoro Refining and Marketing Company

S-#	Description	Make or Type	Model	Capacity	Grandfathered Limt, or Firm Limit and Basis
842	Wastewater Treatment Plant Clarifiers, filters, and granular activated carbon	Jacobs Engineering Co.		2,400K bbl/day 133,225K bbl/yr	Grandfathered Limit
848	FCCU Merox Unit	Foster Wheeler		55K bbl/day 20,075K bbl/yr	Firm Limit Condition #4357, part 6B
846	No. 3 HDS Cooling Tower	Marley Sigma	126-104	17,462K gal/day 6,374,000K gal/yr	Grandfathered Limit
850	No. 3 HDS Unit	Union Finer		70K bbl/day 25550K bbl/yr	Firm Limit Condition #4357, part 6A
851	Ammonia Recovery Unit			Ammonia Production 77 short tons/day 22,264 ton/yr	Grandfathered Limit
854	East Air Flare Abates: See Note 1			1,900 mmbtu/hr 45,600 mmbtu/day	Grandfathered Limit
856	Spare DEA Stripper			1,000 gpm rich DEA as 2,130 feed to stripper	Grandfathered Limit
858	Cold Cleaner [Machine Shop Lapping Room]			50 gal/yr	Firm Limit Condition #16729, part 1
860	Cold Cleaner [Tool Room]			50 gal/yr	Firm Limit Condition #16729, part 1
861	Cold Cleaner [Auto Shop]			50 gal/yr	Firm Limit Condition #16729, part 1
863	LPG Vaporized System [Standby]			4,130K bbl/yr	Grandfathered Limit
871	Tank A-871 Crude, Low Sulfur Vacuum Gas Oil	External Floating Roof		13,146K gal 20,000K bbl/yr	Firm Li~~n~~mit Condition #21393, part 1
901	No. 7 Boiler Refinery Fuel Gas, FCCU Flue Gas			668 mmbtu/hr 5,851,680 mmbtu/yr	Grandfathered Limit

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 pursuant to 2-1-301. Throughput limits function as reporting thresholds as described in Standard Conditions J.

Plant #B2758 Tesoro Refining and Marketing Company

S-#	Description	Make or Type	Model	Capacity	Grandfathered Limt, or Firm Limit and Basis
902	FCCU Startup Heater Refinery Fuel Gas, Natural Gas			85 mmbtu/hr 14,280 mmbtu/yr	Grandfathered Limit
903	No. 5 Boiler Refinery Fuel Gas, Coker Flue Gas,			740 mmbtu/hr 6,482,400 mmbtu/yr	Grandfathered Limit
904	No. 6 Boiler Refinery Fuel Gas, Coker Flue Gas	Riley Stoker		775 mmbtu/hr 6,789,000 mmbtu/yr	Firm Limit Condition #16685, part 1 Condition #17322, part 1
905	No. 6 Boiler Startup Heater Refinery Fuel Gas, Natural Gas			47 mmbtu/hr 7,000 mmbtu/yr	Grandfathered Limit
908	No. 3 Crude Heater (F8) Natural Gas, Refinery Fuel Gas	Alco	Cabin	220 mmbtu/hr 1,927,200 mmbtu/yr	Firm Limit Condition #16685, part 1, Condition
909	No. 1 Feed Prep Heater (F9) Refinery Fuel Gas, Natural Gas	Alco	Cabin	145 mmbtu/hr 1,270,200 mmbtu/yr	Firm Limit Condition #16685, part 1
912	No. 1 Feed Prep Heater (F12) Refinery Fuel Gas, Natural Gas	Born	Box	135 mmbtu/hr 1,182,600 mmbtu/yr	Firm Limit Condition #16685, part 1 Condition #18372, part 3, part 25
913	No. 2 Feed Prep Heater (F13) Refinery Fuel Gas, Natural Gas	Petro Chem	Vertical Cylindrical	59 mmbtu/hr 516,840 mmbtu/yr	Firm Limit Condition #16685, part 1 Condition #18372, part 3
915	Platformer Intermediate Heater (F15) Refinery Fuel Gas, Natural Gas	Braun	Cabin	20 mmbtu/hr 175,200 mmbtu/yr	Firm Limit Condition #16685, part 1

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 pursuant to 2-1-301. Throughput limits function as reporting thresholds as described in Standard Conditions J.

Plant #B2758 Tesoro Refining and Marketing Company

S-#	Description	Make or Type	Model	Capacity	Grandfathered Limt, or Firm Limit and Basis
916	No. 1 HDS Heater (F16) Natural Gas, Refinery Fuel Gas	Braun	Cabin	55 mmbtu/hr 481,800 mmbtu/yr	Firm Limit Condition #16685, part 1 Condition #18372, part 3, part 25
917	No. 1 HDS Prefract Reboiler (F17) Refinery Fuel Gas	Industrial Engineers	Vertical Cylindrical	18 mmbtu/hr 157,680 mmbtu/yr	Firm Limit Condition #4357, part 7G, part 7H
919	No. 2 HDS Depent Reboiler (F19) Refinery Fuel Gas, Natural Gas	Foster Wheeler	Cabin	65 mmbtu/hr 569,400 mmbtu/yr	Firm Limit Condition #16685, part 1 Condition #18372, part 3, part 25
920	No. 2 HDS Charge Heater (F20) Refinery Fuel Gas, Natural Gas	Foster Wheeler	Cabin	63 mmbtu/hr 551,880 mmbtu/yr	Firm Limit Condition #16685, part 1 Condition #18372, part 3, part 25
921	No. 2 HDS Charge Heater (F21) Refinery Fuel Gas, Natural Gas	Foster Wheeler	Cabin	63 mmbtu/hr 551,880 mmbtu/yr	Firm Limit Condition #16685, part 1 Condition #18372, part 3, part 25
922	No. 5 Gas Debutanizer Reboiler (F22) Refinery Fuel Gas, Natural Gas	Petro Chem	Vertical Cylindrical	130 mmbtu/hr 1,138,800 mmbtu/yr	Firm Limit Condition #16685, part 1 Condition #18372, part 3, part 25
923	Coker Auxiliary Startup Burner Refinery Fuel Gas, Natural Gas			107 mmbtu/hr 17,976 mmbtu/yr	Grandfathered Limit
924	Coker Anti-Coking Superheater (F24) Refinery Fuel Gas, Natural Gas	Petro Chem	Vertical Cylindrical	16 mmbtu/hr 140,160 mmbtu/hr	Grandfathered Limit

II. Equipment

Table II A - Permitted Sources

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Plant #B2758 Tesoro Refining and Marketing Company

S-#	Description	Make or Type	Model	Capacity	Grandfathered Limt, or Firm Limit and Basis
925	Coker Attriting Superheater (F25) Refinery Fuel Gas, Natural Gas			5.9 mmbtu/hr 51,684 mmbtu/yr	Grandfathered Limit
926	No. 2 Reformer Splitter Reboiler(F26) Refinery Fuel Gas, Natural Gas	Petro Chem	Vertical Cylindrical	145 mmbtu/hr 1270200 mmbtu/yr	Firm Limit Condition #16685, part 1 Condition #18372, part 3, part 25
927	No. 2 Reformer Heat/Reheating (F27) Refinery Fuel Gas, Natural Gas	Lummus	Multicell Cabin	280 mmbtu/hr 2,452,800 mmbtu/yr	Firm Limit Condition #16685, part 1 Condition #18372, part 3, part 25
928	HDN Reactor A Heater (F28) Refinery Fuel Gas, Natural Gas	Foster Wheeler	Cabin	20 mmbtu/hr 175,200 mmbtu/yr	Firm Limit Condition #16685, part 1
929	HDN Reactor B Heater (F29) Refinery Fuel Gas, Natural Gas	Foster Wheeler	Cabin	20 mmbtu/hr 175,200 mmbtu/yr	Firm Limit Condition #16685, part 1
930	HDN Reactor C Heater (F30) Refinery Fuel Gas, Natural Gas	Foster Wheeler	Cabin	20 mmbtu/hr 175,200 mmbtu/yr	Firm Limit Condition #16685, part 1
931	Hydrocracker Reactor 1 Heater (F31) Refinery Fuel Gas, Natural Gas	Foster Wheeler	Cabin	20 mmbtu/hr 175,200 mmbtu/yr	Firm Limit Condition #16685, part 1
932	Hydrocracker Reactor 2 Heater (F32) Refinery Fuel Gas, Natural Gas	Foster Wheeler	Cabin	20 mmbtu/hr 175,200 mmbtu/yr	Firm Limit Condition #16685, part 1
933	Hydrocracker Reactor 3 Heater (F33) Refinery Fuel Gas, Natural Gas	Foster Wheeler	Cabin	20 mmbtu/hr 175,200 mmbtu/yr	Firm Limit Condition #16685, part 1
934	Hydrocracker Stabilizer Reboiler (F34), Refinery Fuel Gas, Natural Gas	Foster Wheeler	Vertical Cylindrical	152 mmbtu/hr 1331520 mmbtu/yr	Firm Limit Condition #16685, part 1

II. Equipment

Table II A - Permitted Sources

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Plant #B2758 Tesoro Refining and Marketing Company

S-#	Description	Make or Type	Model	Capacity	Grandfathered Limt, or Firm Limit and Basis
935	Hydrocracker Splitter Reboiler (F35), Refinery Fuel Gas, Natural Gas	Foster Wheeler	Vertical Cylindrical	152 mmbtu/hr 1331520 mmbtu/yr	Condition #16685, part 1
936	Regeneration Gas Heater (F36) Natural Gas			3.5 mmbtu/hr 30,660 mmbtu/yr	Grandfathered Limit
937	Hydrogen Plant Heater (F37) Refinery Fuel Gas, Natural Gas	Selas	Twin Cell Reformer	743 mmbtu/hr 6,508,680 mmbtu/yr	Condition #16685, part 1
938	HDN Prefractionator Heater (F38) Refinery Fuel Gas, Natural Gas			125 mmbtu/hr 1,095,000 mmbtu/yr	Grandfathered Limit
943	Tank A-691 Safety Flare Natural Gas, Process Gas, Butane Abates: S691			2,500,000 mmbtu/hr 60,000,000 mmbtu/day	Grandfathered Limit
944	North Steam Flare Natural Gas, Process Gas Abates: See Note 1			2,700 mmbtu/hr 64,800 mmbtu/day	Grandfathered Limit
945	South Steam Flare Natural Gas, Process Gas Abates: See Note 1			2,700 mmbtu/hr 64,800 mmbtu/day	Grandfathered Limit
950	50 Unit Crude Heater (F50) Refinery Fuel Gas, Natural Gas	Alcorn	Box	440 mmbtu/hr 3,854,400 mmbtu/yr	Firm Limit Condition #16685, part 1 Condition #18372, part 3, part 25
951	No. 2 Reformer Aux Reheater (F51) Refinery Fuel Gas, Natural Gas	Optimized Process Furnaces	Cabin	30 mmbtu/hr 131,400 mmbtu/yr	Grandfathered Limit
952	Internal Combustion Engine; 9580 cubic inch displacement, 300 Hp, No. 1 Gas Plant Vapor Compressor No. 4023 Natural Gas	Rich Burn Engine		3 mmbtu/hr 26,280 mmbtu/yr	Grandfathered Limit

II. Equipment

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Plant #B2758 Tesoro Refining and Marketing Company

S-#	Description	Make or Type	Model	Capacity	Grandfathered Limt, or Firm Limit and Basis
953	Internal Combustion Engine; 9580 cubic inch displacement, 300 Hp, No. 1 Gas Plant Vapor Compressor NO. 4024 Natural Gas	Clark, Rich Burn Engine		3 mmbtu/hr 26,280 mmbtu/yr	Grandfathered Limit
954	Internal Combustion Engine; 9580 cubic inch displacement, 300 Hp, No. 1 Gas Plant Vapor Compressor No. 4025 Natural Gas	Clark, Rich Burn Engine		3 mmbtu/hr 26,280 mmbtu/yr	Grandfathered Limit
955	Internal Combustion Engine; 17200 cubic inch displacement, 880 Hp, No. 4 Gas Plant Vapor Compressor No. 4064 Natural Gas	Clark, Lean Burn Engine	HRA-8	8.5 mmbtu/hr 74,460 mmbtu/yr	Grandfathered Limit
956	Internal Combustion Engine; 17200 cubic inch displacement, 800 Hp, No. 4 Gas Plant Vapor Compressor No. 4065 Natural Gas	Clark, Lean Burn Engine	HRA-8	8.5 mmbtu/hr 74,460 mmbtu/yr	Grandfathered Limit
957	Internal Combustion Engine; 17200 cubic inch displacement, 880 Hp, No. 4 Gas Plant Vapor Compressor NO. 4066 Natural Gas	Clark, Lean Burn Engine	HRA-8	8.5 mmbtu/hr 74,460 mmbtu/yr	Grandfathered Limit
958	Internal Combustion Engine; 17200 cubic inch displacement, 800 Hp, No. 4 Gas Plant Vapor Compressor No. 4067 Natural Gas	Clark, Lean Burn Engine	HRA-8	8.5 mmbtu/hr 74,460 mmbtu/yr	Grandfathered Limit

II. Equipment

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Plant #B2758 Tesoro Refining and Marketing Company

S-#	Description	Make or Type	Model	Capacity	Grandfathered Limt, or Firm Limit and Basis
959	Internal Combustion Engine; 17200 cubic inch displacement, 880 Hp, No. 4 Gas Plant Vapor Compressor No. 4068 Natural Gas	Clark, Lean Burn Engine	HRA-8	8.5 mmbtu/hr 74,460 mmbtu/yr	Grandfathered Limit
960	Internal Combustion Engine; 12900 cubic inch displacement, 660 Hp, No. 4 Gas Plant Vapor Compressor No. 4096 Natural Gas	Clark, Lean Burn Engine	HRA-6	7.5 mmbtu/hr 65,700 mmbtu/yr	Grandfathered Limit
963	Gas Turbine 177 [Alkylation Plant] Natural Gas			113 mmbtu/hr 989,880 mmbtuyr	Grandfathered Limit
971	No. 3 Reformer UOP Furnace (F53) Refinery Fuel Gas, Natural Gas	KTI	Box	300 mmbtu/hr 2,628,000 mmbtu/yr	Firm Limit Condition #16685, part 1 Condition #18372, part 3, part 25
972	No. 3 Reformer Debut Reboiler (F54) Refinery Fuel Gas, Natural Gas	Foster Wheeler / KTI	Vertical Cylindrical	45 mmbtu/hr 394,200 mmbtu/yr	Firm Limit Condition #16685, part 1 Condition #18372, part 3, part 25
973	No. 3 HDS Recycle Gas Heater (F56) Refinery Fuel Gas, Natural Gas	Entec	Vertical Cylindrical	55 mmbtu/hr 481,800 mmbtu/yr	Grandfathered Limit
974	No. 3 HDS Fract Feed Heater (F55) Refinery Fuel Gas, Natural Gas	Entec	Vertical Cylindrical	110 mmbtu/hr 963,600 mmbtu/yr	Grandfathered Limit
975	No. 4 Gas Plant Cooling Tower (after changes authorized pursuant to permit application #2508)	Marley	13-24A	99,360K gal/day 36,266,400K gal/yr	Firm Limit Condition #19199,part D1
976	No. 5 Gas Plant Cooling Tower	Marley	11-24-F5	108,000K gal/day 39,420,000K gal/yr	Grandfathered Limit

II. Equipment

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Plant #B2758 Tesoro Refining and Marketing Company

S-#	Description	Make or Type	Model	Capacity	Grandfathered Limt, or Firm Limit and Basis
977	No. 3 Crude Unit Cooling Tower	Fluor	270-5811	31,680K gal/day 11,563,200K gal/yr	Grandfathered Limit
978	Foul Water Stripper Cooling Tower	Fluor	JCF-2164-23048ALP-SP	5,904K gal/day 2,154,960K gal/yr	Grandfathered Limit
979	NO. 2 Feed Prep Cooling Tower	Fluor	2NDA-164-2430-AALP-SP	21,600K gal/day 7,884,000K gal/yr	Grandfathered Limit
980	Hydrocracker Cooling Tower	Fluor	3F60D-164V-3030BPF	17,280K gal/day 6,307,200K gal/yr	Grandfathered Limit
981	No. 1 HDS Cooling Tower	Fluor	3NDA 184 30x36 CC	20,160K gal/day 7,358,400K gal/yr	Grandfathered Limit
982	No. 2 HDS Cooling Tower (after changes authorized pursuant to permit application #2508)	Pritchard	4-3042LA18	25,920K gal/day 9,460,800K gal/yr	Firm Limit Condition# 19199,part E1
983	Alky/No. 2 Reformer Cooling Tower	Fluor	4FPA 1204-3042AALP	50269K gal/day 18,348,170K gal/yr	Grandfathered Limit
985	Iso-Octene Cooling Tower	Fluor	2NDD-144-2430	23,040K gal/day	Grandfathered Limit
987	No. 50 Unit Cooling Tower	Marley	3-24-AAD-F-15000	21,600K gal/day 7,884,000K gal/yr	Grandfathered Limit
988	No. 3 Reformer Cooling Tower			14,400K gal/day 5,256,000K gal/yr	Grandfathered Limit
990	Amine/HC Separator Tank Tank 749			$5x10^9$ gal/yr	Grandfathered Limit
991	FCCU Preheat Furnace H-57 Refinery Fuel Gas, Natural Gas			43 mmbtu/hr 1,032 mmbtu/day	Grandfathered Limit

II. Equipment

Table II A - Permitted Sources

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Plant #B2758 Tesoro Refining and Marketing Company

S-#	Description	Make or Type	Model	Capacity	Grandfathered Limt, or Firm Limit and Basis
992	Emergency Flare Natural Gas, Process Gas Abates: See Note 1			13,200 mmbtu/hr 316,800 mmbtu/yr	Grandfathered Limit
1001	No. 50 Crude Unit			120K bbl/day 40,880K bbl/yr	Grandfathered Limit
1002	No. 1 HDS Unit			28K bbl/day 10,220~~9,125~~K bbl/yr	Firm Limit Condition #8350, part A1
1003	No. 2 HDS Unit			40K bbl/day 14,600K bbl/yr	Firm Limit Condition #8350, part B1
1004	No. 2 Catalytic Reformer			38.4K bbl/day 14,016K bbl/yr	Grandfathered Limit
1005	No. 1 Hydrogen Plant	Bechtel/Parsons		Hydrogen Production 93.3 mmscf/day 31,025 mmscf/yr	Grandfathered Limit
1006	No. 1 HDA Unit			20K bbl/day 7300K bbl/yr	Firm Limit Condition #8350, part C1
1007	Hydrocracker Unit [Hydrocracker 2nd Stage]			37K bbl/day 12,775K bbl/yr	Grandfathered Limit
1008	Hydrocracker Unit [Hydrocracker 1st Stage]			37K bbl/day 12,775K bbl/yr	Grandfathered Limit
1009	Alkylation Unit			Alkylate Production 22.3K bbl/day 8,134K bbl/yr	Grandfathered Limit
1012	West Air Flare Process Gas Abates: See Note 1			2,755 mmbtu/hr 66,120 mmbtu/day	Grandfathered Limit
1013	Ammonia Plant Flare Abates: S1401, S1415	John Zink		2,670 mmbtu/hr 64,080 mmbtu/day	Grandfathered Limit
1020	No. 3 UOP Reformer			25.2K bbl/day 8,760K bbl/yr	Grandfathered Limit

II. Equipment

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Plant #B2758 Tesoro Refining and Marketing Company

S-#	Description	Make or Type	Model	Capacity	Grandfathered Limt, or Firm Limit and Basis
1025	Bulk Plant; Bottom Loading Facilities Gasoline, Naphtha, Kerosene, Diesel, Fuel Oil	Oilco		18,615K bbl/yr 64,457 bbl/day	Firm Limit Condition #2184, part 9
1026	DNF Air Stripper			0.48 ton/day 175.2 ton/yr	Grandfathered Limit
1038	Benzene Saturation Unit			15,0~~0,4~~00 bbl/day 5,475~~3,796~~ K bbl/yr	Firm Limit Condition #23258, part 1 ~~Grandfathered Limit~~
1040	Butadiene Plant			12,000 bbl/day 4,380K bbl/yr	Grandfathered Limit
1100	MTBE Plant			MTBE Production 3 K bbl/day 1,095K bbl/yr	Firm Limit Condition #10526, part 1
1100	Iso-Octene Unit (to replace MTBE Plant)			Iso-Octene Production 3 K bbl/day 1,095K bbl/yr	Firm Limit Condition #19199, part F0
1101	Subsurface Aerator System [at Tract 3 West Canal]			4.56 mmscf/day 1,664.4 mmscf/yr	Grandfathered Limit
1102	Subsurface Aerator System [at Tract 3 North Pond]			1.152 mmscf/day 420.5 mmscf/yr	Grandfathered Limit
1103	Subsurface Aerator System [at Clean Canal Forebay]			1.152 mmscf/day 420.5 mmscf/yr	Grandfathered Limit
1104	Subsurface Aeration System [at Oily Canal]			1.152 mmscf/day 420.5 mmscf/yr	Grandfathered Limit
1105	No. 4 Hydrodesulfurization Unit			40080 BPD 14,629,200 BPY	Firm Limit Condition #19199, Part G0
1106	No. 4 HDS Reactor Feed Heater (F72), Natural Gas	Tulsa Heater	Two Vertical Cylindrical	30 mmbtu/hr 225.257 mmscf/yr	Firm Limit Condition #19199, part H0, H3

II. Equipment

Table II A - Permitted Sources

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Plant #B2758 Tesoro Refining and Marketing Company

S-#	Description	Make or Type	Model	Capacity	Grandfathered Limt, or Firm Limit and Basis
1401	Sulfur Recovery Unit	Claus		Sulfur Production 200 short ton/day 73,000 short ton/yr	Grandfathered Limit
1404	Sulfur Storage Tank A-756	Fixed roof		1,200 ton/day 438,000 ton/yr	Grandfathered Limit
1405	Sulfur Collection Pit			200 short ton/day 73,000 ton/yr	Grandfathered Limit
1411	Sulfuric Acid Mfg Plant			Sulfuric Acid Production 480 ton/day 175,200 ton/yr	Grandfathered Limit
1412	Startup Heater Natural Gas, Refinery Fuel Gas			7.3 mmbtu/hr 1227 mmbtu/yr	Grandfathered Limit
1413	SAP: No. 1 Oleum Tank A-753	Fixed roof		1,202.4 ton/day 438,876 ton/yr	Grandfathered Limit
1414	SAP: No. 2 Oleum Tank A-763	Fixed roof		1,202.4 ton/day 438,876 ton/yr	Grandfathered Limit
1415	SAP: H2SO4 Loading Dock			1,728 ton/day 7,000 ton/yr	Grandfathered Limit
1416	SAP: No. 1 Spent Acid Tank A-745	Fixed roof		1,800 ton/day 100,000 ton/yr	Grandfathered Limit
1417	SAP: No. 2 Spent Acid Tank A-746	Fixed roof		1,800 ton/day 100,000 ton/yr	Grandfathered Limit
1418	Rich DEA Tank A-750	Fixed roof		73K bbl/day 26,655K bbl/yr	Grandfathered Limit
1420	Tail Gas In-Line Burner Natural Gas	John Zink		3.650 mmbtu/hr 31,974 mmbtu/yr	Grandfathered Limit
1421	Sour Water Feed Tank A-757 [Ammonia Recovery Unit]	External floating roof		11.7K bbl/day 4,270K bbl/yr	Grandfathered Limit
1422	Tank M-782 ARU Feed Tank	External floating roof		4,270.5K bbl/yr	Grandfathered Limit

II. Equipment

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Plant #B2758 Tesoro Refining and Marketing Company

S-#	Description	Make or Type	Model	Capacity	Grandfathered Limt, or Firm Limit and Basis
1452	Oil-Water Separator [Hydrocarbon Recovery System, 39 light hydrocarbon pumps, 13 heavy hydrocarbon pump]			5,000K bbl/yr	Firm Limit Condition 9875,part 6
1455	Cold Cleaner [Auto Shop]			25 gal/yr	Firm Limit Condition #16729, part 1
1456	Cold Cleaner [I&E Shop]			50 gal/yr	Firm Limit Condition #16729, part 1
1457	Cold Cleaner [Compressor Shop]			50 gal/yr	Firm Limit Condition #16729, part 1
1458	Cold Cleaner [Valve Shop]			50 gal/yr	Firm Limit Condition #16729, part 1
1461	Tank A-866 Crude Oil	External floating roof		10,080K gal 50,000,000 bbl/yr	Firm Limit Condition #17477, part A1
1463	Tank A-867 Crude Oil, HDS Gas Oil	External floating roof		10,080K gal 50,000,000 bbl/yr	Firm Limit Condition #17477, part C1
1464	Tank A-868 Diesel, Jet A, Kerosene	External floating roof		4,200K gal 10,000,000 bbl/yr	Firm Limit Condition #17477, part D1
1465	Tank A-869 Jet A, Diesel, Kerosene	External floating roof		4,200K gal 10,000,000 bbl/yr	Firm Limit Condition #17477, part E1
1469	Emergency StandbyDiesel Engine	Cummins	NTA855C	400 HP	Firm Limit Condition #18946 part 1
1470	No. 71 Furnace; No. 3 Crude Vacuum Distillation Heater Refinery Fuel Gas, Natural Gas			30 mmbtu/hr 262,800 mmbtu/yr	Firm Limit Condition #18539, part 9

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 pursuant to 2-1-301. Throughput limits function as reporting thresholds as described in Standard Conditions J.

Plant #B2758 Tesoro Refining and Marketing Company

S-#	Description	Make or Type	Model	Capacity	Grandfathered Limt, or Firm Limit and Basis
1471	Emergency StandbyDiesel Engine	Cummins	N855P235	130 HP	Firm Limit Condition #18946 part 1
1472	Emergency StandbyDiesel Engine	Caterpillar	3406BD1	430 HP	Firm Limit Condition #18946 part 1
1473	Storage Tank Ethyl Mercaptan Odorant	Pressurized tank		1000 gal 3000 gal/yr	Firm Limit Condition #19197 part 2
1474	Emergency StandbyDiesel Engine	Cummins	855P335	335 HP	Firm Limit Condition #18946 part 1
1475	Portable Emergency StandbyDiesel Engine	Caterpillar	3408 DI	503 HP	Firm Limit Condition #18947 parts 4,5
1476	Portable Emergency StandbyDiesel Engine	Caterpillar	3408 DI	503 HP	18947 Firm Limit Condition #18947 parts 4,5
1477	Emergency StandbyDiesel Engine	Cummins	NHC 4 B1	110 HP	Firm Limit Condition #18946 part 1
1484	Oil Water Separator; Pressure Vessel, Volume: 1350 Gallons			Desalter Brine Throughput 286 bbl/hr 2505 Kbbl/yr	Firm Limit Condition #19762, part B
1485	Tank A-870 Gasoline Blending Components (heavy cracked naphtha, cat cracked heavy naphtha, heavy naphtha reformate, heavy catalytic reformed naphtha, medium reformate fractionator bottoms, stabilized reformate, FCC gasoline, FCC Merox product)	Floating Roof Tank		130K bbl 11,000K bbl/yr	Firm Limit Condition #20520, part 1
1486	Emergency StandbyDiesel Engine	Cummins	HR1PS	225 HP	Firm Limit Condition #18946 part 1
1487	Tank 38 Fire-Water Pump Engine Diesel Fired	Caterpillar	3406 DBITA	2.79 MMBtu/hr, 420 HP	Firm Limit Condition #20672, part A1

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 pursuant to 2-1-301. Throughput limits function as reporting thresholds as described in Standard Conditions J.

Plant #B2758 Tesoro Refining and Marketing Company

S-#	Description	Make or Type	Model	Capacity	Grandfathered Limt, or Firm Limit and Basis
1488	Canal Fire-Water Pump Engine Diesel Fired	Caterpillar	3412T	3.5 MMBtu/hr, 538 HP	Firm Limit Condition #20672, part B1
1489	Fixed Volume Portable Tank #1 Slop Oil and Water Mixture	Portable, fixed volume		500bbl 13,000 bbl/yr	Firm Limit Condition #21536, part 1
1490	Fixed Volume Portable Tank #2 Slop Oil and Water Mixture	Portable, fixed volume		500bbl 13,000 bbl/yr	Firm Limit Condition #21536, part 2
1491	Fixed Volume Portable Tank #3 Slop Oil and Water Mixture	Portable, fixed volume		500bbl 13,000 bbl/yr	Firm Limit Condition #21535, part 1
1496	Tank A-876 Heavy reformate with pentanes, straight run heavy naphtha	Fixed roof tank		80,000 barrels 2,500K barrels/yr	Firm Limit Condition #21100, part 1
1499	No. 1 Pump Station, Spare Diesel Pump	Deutz	BF6FL913 C	182 HP	Grandfathered limit
1500	Chem Plant Air Compressor Diesel Engine	John Deere	JD4.239T	109 HP	Grandfathered limit
1501	Chem Plant Lorain Crane Diesel Engine	Detroit	50437000	200 HP	Grandfathered limit
1502	High Pressure Water Blaster Diesel Engine, 200 HP	Detroit	Serial 820857	200 HP	Grandfathered limit
1503	High Pressure Water Blaster Diesel Engine, 152 HP	Detroit	Serial 4222917	152 HP	Grandfathered limit
1504	Bulk Plant Unloading Rack Ethyl Alcohol			400K bbl/yr	Firm Limit Condition #21849, part 13
1506	Tank A-893 Gasoline, Gasoline Blending Stock	External Floating Roof Tank		132,000 barrels 11,000K barrels/yr	Firm Limit Condition #22640, part 1
1507	Tank A-894 Gasoline, Gasoline Blending Stock	External Floating Roof Tank		132,000 barrels 11,000K barrels/yr	Firm Limit Condition #22640, part 1
1508	Tank A-906 Avon Wharf Recovered Oil Tank	Fixed Roof Tank		1,250 gallons 1,689K barrels/yr	Firm Limit Condition #23486, part 1

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 pursuant to 2-1-301. Throughput limits function as reporting thresholds as described in Standard Conditions J.

Plant #B2758 Tesoro Refining and Marketing Company

S-#	Description	Make or Type	Model	Capacity	Grandfathered Limt, or Firm Limit and Basis
1510	Delayed Coker			53.2K bbl/day 17,477K bbl/12 consecutive months	Firm Limit Condition #23129, part 3
1511	Delayed Coker Heater #1 Natural gas, Refinery fuel gas	John Zink, ultra-low-NOx, or equivalent		2,014,800 MMbtu/ consecutive 12 months combined limit for fuel gas and natural gas	Firm Limit Condition #23129, part 14
1512	Delayed Coker Heater #2 Natural gas, Refinery fuel gas	John Zink, ultra-low-NOx, or equivalent		2,014,800 MMbtu/ consecutive 12 months combined limit for fuel gas and natural gas	Firm Limit Condition #23129, part 14
1513	Coke Screen/Crusher			1,277,500 wet tons/ consecutive 12 months	Firm Limit Condition #23129, part 29
1514	Coke Silo#1	Columbian Tec Tank		1,277,500 wet tons/ consecutive 12 months combined limit for S-659, S-660, S-1514, & S-1515 (in delayed coke service)	Firm Limit derived from Condition #23129, parts 29 & 44
1515	Coke Silo#2	Columbian Tec Tank		1,277,500 wet tons/ consecutive 12 months combined limit for S-659, S-660, S-1514, & S-1515 (in delayed coke service)	Firm Limit derived from Condition #23129, parts 29 & 44
1516	Coker Truck Loadout			1,277,500 wet tons/ consecutive 12 months	Firm Limit Condition #23129, part 44

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 pursuant to 2-1-301. Throughput limits function as reporting thresholds as described in Standard Conditions J.

Plant #B2758 Tesoro Refining and Marketing Company

S-#	Description	Make or Type	Model	Capacity	Grandfathered Limt, or Firm Limit and Basis
1517	Coker Flare Natural gas only at flare pilots			1.314 MMscf/ consecutive 12 months natural gas to flare pilots 8.585 MMscf / consecutive 12 months natural gas to flare purge	Firm Limits Conditions #23129, parts 53 & 56
1518	Emergency Diesel Fire Water Pump	Cummins	CFP11E-F20	360 BHP, 50 hours per year	Firm Limit Condition #23811, part 1
1519	Emergency Diesel Fire Water Pump	Cummins	CFP11E-F20	360 BHP, 50 hours per year	Firm Limit Condition #23811, part 1
1521	Tank A-904	External floating roof		5,502 K gal 10,000K bbl/yr	Firm Limit Condition # 23715, part 1

NOTE 1: SOURCES THAT ARE DIRECT: S815, S816, S817, S806, S802, S1002, S1003, S850, S1004, S1005, S1007, S1008, S1009, S1105, TANKS S656 AND S658, AND AIR PRODUCTS NO. 2 HYDROGEN PLANT
SOURCES THAT ARE INDIRECT VIA VAPOR RECOVERY OR WET GAS SYSTEM: S1001, TANKS S795, S603, S714, S513, S318, S367, S323, S699, S46, S317, S431, S432, S457~~, S46,~~

II. Equipment

Table II B – Abatement Devices

Plant #B2758 Tesoro Refining and Marketing Company

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
3	Catalytic Cracker Fines Baghouse	S97	BAAQMD Regulation 6-301	Monitor (pressure gauge)	Ringelmann No. 1 for more than 3 min/hr
			BAAQMD Regulation 6-305	Monitor (pressure gauge)	Visible particles on real property of another
			BAAQMD Regulation 6-310	Monitor (pressure gauge)	0.15 grain per dscf
4	Catalytic Cracker Fines Cyclone and Baghouse	S97, S98, S99, S803	BAAQMD Regulation 6-301	Monitor (pressure gauge)	Ringelmann No. 1 for more than 3 min/hr
			BAAQMD Regulation 6-305	Monitor (pressure gauge)	Visible particles on real property of another
			BAAQMD Regulation 6-310	Monitor (pressure gauge)	0.15 grain per dscf
6	Spray Box for Slurry Settler, Scrubber	S809	BAAQMD Regulation 6-301	none	Ringelmann No. 1 for more than 3 min/hr
			BAAQMD Regulation 6-305	none	Visible particles on real property of another
			BAAQMD Regulation 6-310	none	0.15 grain per dscf
8	Coker CO Boiler Precipitator, Single Stage Electrostatic Precipitator	S903	BAAQMD Regulation 6-301	To be established on monitor, effective June 1, 2004	Ringelmann No. 1 for ore than 3 min/hr

II. Equipment

Table II B – Abatement Devices

Plant #B2758 Tesoro Refining and Marketing Company

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
			BAAQMD Regulation 6-302	To be established on monitor, effective June 1, 2004	Opacity = or > 20% for more than 3 min/hr
			BAAQMD Regulation 6-304	To be established on monitor, effective June 1, 2004	~~Ringlemann~~Ringelmann 2 or 40% Opacity
			BAAQMD Regulation 6-305	To be established on monitor, effective June 1, 2004	Visible particles on real property of another
			BAAQMD Regulation 6-310	BAAQMD Condition #22150, part 1	0.15 grain per dscf
9	Coke Silo Precipitator	S659, S660	BAAQMD Regulation 6-301	~~To be established on monitor, effective June 1, 2004~~	Ringelmann No. 1 for no more than 3 min/hr
			BAAQMD Regulation 6-302	Daily visual inspection~~, effective June 1, 2004~~	Opacity = or > 20% for no more than 3 min/hr
			BAAQMD Regulation 6-305	Daily visual inspection ~~Daily visual inspection, effective June 1, 2004~~	Visible particles on real property of another

II. Equipment

Table II B – Abatement Devices

Plant #B2758 Tesoro Refining and Marketing Company

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
			BAAQMD Regulation 6-310	Daily visual inspection ~~Daily visual inspection, effective June 1, 2004~~	0.15 grain per dscf
			BAAQMD Condition #23129, part 39	550 scfm exhaust air flow	0.01 grain per dscf
10	Coker Sluice Tank Spray Box, Preformed Spray Scrubber	S659, S808	BAAQMD Regulation 6-301	none	Ringelmann No. 1 for ore than 3 min/hr
			BAAQMD Regulation 6-305	none	Visible particles on real property of another
			BAAQMD Regulation 6-310	none	0.15 grain per dscf
11	#6 Boiler Plant Precipitator, Two Stage Electrostatic Precipitator	S904	BAAQMD Regulation 6-301	To be established on monitor, effective June 1, 2004	Ringelmann No. 1 for ore than 3 min/hr
			BAAQMD Regulation 6-302	To be established on monitor, effective June 1, 2004	Opacity = or > 20% for more than 3 min/hr
			BAAQMD Regulation 6-304	To be established on monitor, effective June 1, 2004	~~Ringlemann~~Ringelmann 2 or 40% Opacity

II. Equipment

Table II B – Abatement Devices

Plant #B2758 Tesoro Refining and Marketing Company

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
			BAAQMD Regulation 6-305	To be established on monitor, effective June 1, 2004	Visible particles on real property of another
			BAAQMD Regulation 6-310	BAAQMD Condition #22150, part 1	0.15 grain per dscf
12	Vapor Recovery at Foul Water Strippers, Compress/Condense/Absorb	S52, S529, S530, S656, S657, S658, S815, S816, S817	BAAQMD Regulation 1-301	none	nuisance odors
14	Vapor Recovery System, Compress/Condense/Absorb	S46, S126, S127, S137, S317, S318, S323, S324, S325, S367, S431, S432, S457, S513, S699, S1024	BAAQMD Regulation 1-301	none	nuisance odors
14	Vapor Recovery System, Compress/Condense/Absorb	S134	BAAQMD 8-5-306	none	95% control
		S134	BAAQMD Condtion #20923, part 3	none	98% control
14	Vapor Recovery System, Compress/Condense/Absorb	S699, S532	BAAQMD 8-8-305.2		70% control
14	Vapor Recovery System, Compress/Condense/Absorb	S819	BAAQMD 8-8-302.3		95% control
	Vapor Recovery System, Compress/Condense/Absorb	S32103	BAAQMD Condition # 11609, part E1	none	VOC: 95wt% abatement and POC < or = 500 ppm

II. Equipment

Table II B – Abatement Devices

Plant #B2758 Tesoro Refining and Marketing Company

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
14	Vapor Recovery System, Compress/Condense/Incinerate	S323	BAAQMD Condition # 13605, part 3	None	VOC: 99.5% abatement
14	Vapor Recovery System, Compress/Condense/Incinerate	S1496	BAAQMD Condition #21100, part 2	None	VOC: 99..5% destruction efficiency
14	Vapor Recovery System, Compress/Condense/Incinerate	S1025	BAAQMD 8-8-301 and BAAQMD Condition #21849		POC < 0.02 lb POC per 1000 gallons of material loaded
21	Propane/Butane Tank Vapor Recovery System	S691	BAAQMD Regulation 8-5-306	none	POC 95 weight %
22	Propane/Butane Tank Flare System	S691	BAAQMD Regulation 8-5-306	none	POC 95 weight %
~~23~~	~~Cracking Plant Quench Tower~~	~~S822~~	~~BAAQMD Regulation 8-2-301~~	~~none~~	~~15 lb/day and 300 ppm carbon~~
30	FCCU Electrostatic Precipitator, Two Stage Electrostatic Precipitator	S802, S901	BAAQMD Condition #11433, Part 1	To be established on monitor, effective June 1, 2004	PM/PM-10 mass emission limit for S802 and S901 combined at 151.5 tons/yr
		S97, S802	BAAQMD Regulation 6-301	To be established on monitor, effective June 1, 2004	Ringelmann No. 1 for more than 3 min/hr
			BAAQMD Regulation 6-304	To be established on monitor, effective June 1, 2004	~~Ringlemann~~Ringelmann 2 or 40% Opacity
			BAAQMD Regulation 6-305	To be established on monitor, effective June 1, 2004	Visible particles on real property of another

II. Equipment

Table II B – Abatement Devices

Plant #B2758 Tesoro Refining and Marketing Company

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
			BAAQMD Regulation 6-310	BAAQMD Condition #22150, part 1	0.15 grain per dscf
31	No. 3 HDS Selective Catalytic Reduction Unit	S973, S974	BAAQMD Condition # 4357, part 7A	none	NOx: 40 ppmv, dry, corrected to 3% oxygen, 8 hour average
32	H-57 Selective Catalytic Reduction Unit	S991	BAAQMD Condition # 4357, part 7A	none	NOx: 40 ppmv, dry, corrected to 3% oxygen, 8 hour average
34	Ammonia Plant Flare System Flare	S1013	BAAQMD Regulation 1-301	none	nuisance odors
38	Carbon Adsorption System - DNF Air Striper Adsorption, Activated Carbon/Charcoal	S819	BAAQMD 8-8-302.3		95% control
38	Carbon Adsorption System - DNF Air Striper Adsorption, Activated Carbon/Charcoal	S1026	BAAQMD Condition # 4587, part 5B	none	NMHC: 20 ppmv, calculated as C1
38	Carbon Adsorption System - DNF Air Striper Adsorption, Activated Carbon/Charcoal	S1026	BAAQMD Condition # 4587, part 7	none	H2S: 1 ppm
39	Thermal Oxidizer, Direct Flame Afterburner	S819	BAAQMD 8-8-302.3		95% control
39	Thermal Oxidizer, Direct Flame Afterburner	S1026	BAAQMD 8-8-307		70% control
39	Thermal Oxidizer, Direct Flame Afterburner	S1026	BAAQMD Condition # 4587, part 5B	A39 operating temperature = or > 1350 degrees F	NMHC: 10 ppmv, calculated as C1
39	Thermal Oxidizer, Direct Flame Afterburner	S1026	BAAQMD Condition # 4587, part 7	none	H2S: 1 ppm

II. Equipment

Table II B – Abatement Devices

Plant #B2758 Tesoro Refining and Marketing Company

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
40	Thermal Oxidizer, Afterburner	S32103	BAAQMD Condition # 11609, part A1	Oxidizer operating temperature > or = 1400 degrees F	VOC: 95wt% abatement and POC < or = 500 ppm
42	Hydrocracker Electric Thermal Oxidizer, Afterburner	S32103	BAAQMD Condition # 11609, part C1	Oxidizer operating temperature > or = 1400 degrees F	VOC: 95wt% abatement and POC < or = 500 ppm
43	Tract 3 Electric Thermal Oxidizer	S32103	BAAQMD Condition # 11609, part D1	Oxidizer operating temperature > or = 1400 degrees F	VOC: 95wt% abatement and POC < or = 500 ppm
714	Caustic Scrubber	S714	BAAQMD Regulation 1-301	none	nuisance odors
795	Vent Gas Condenser, Air Cooled Condenser	S795	BAAQMD Regulation 8-5-306	none	95 weight %
796	Vapor Balance System	S795	BAAQMD Condition # 5711, part 3	none	Abatement required during all loading operations
			BAAQMD Regulation 6-310	BAAQMD Condition #22150, part 1	0.15 grain per dscf
904	No. 6 Boiler Selective Catalytic Reduction System	S904	Regulation 9-10-301 (Facility Limit)	none	NOx: 0.033 lb NOx/MMBTU (Facility Limit)
908	No. 3 Crude, F-8 Selective Catalytic Reduction System	S908	BAAQMD Condition #4357, Part 7A	none	NOx: 10 ppmv corrected to 3% oxygen, 3 hour average
908	No. 3 Crude, F-8 Selective Catalytic Reduction System	S1470	BAAQMD Condition #18539, Part 15	none	NOx: 10 ppmv corrected to 3% oxygen, 3 hour average

II. Equipment

Table II B – Abatement Devices

Plant #B2758 Tesoro Refining and Marketing Company

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
927	No. 2 Ref, F-27 Selective Catalytic Reduction System	S927	BAAQMD Regulation 9-10-301 (Facility Limit)	none	NOx: 0.033 lb NOx/MMBTU (Facility Limit)
950	50 Crude, F-50 Selective Catalytic Reduction System	S950	BAAQMD Regulation 9-10-301 (Facility Limit)	none	NOx: 0.033 lb NOx/MMBTU (Facility Limit)
S950	50 Unit Crude Heater (F50) Refinery Fuel Gas, Natural Gas	S606, S607	BAAQMD Condition #7410, Part 1	S950 Temperature = or > 1500 degrees F	NMHC: 20 ppm (calculated as C1) 1 hour rolling basis
971	No. 3 Ref, F-53 Selective Catalytic Reduction System	S971	BAAQMD Regulation 9-10-301 (Facility Limit)	none	NOx: 0.033 lb NOx/MMBTU (Facility Limit)
952	Non-Selective Catalytic Reduction System	S952	BAAQMD Regulation 9-8-301.2	none	140 ppmv NOx corrected to 15% oxygen
953	Non-Selective Catalytic Reduction System	S953	BAAQMD Regulation 9-8-301.2	none	140 ppmv NOx corrected to 15% oxygen
954	Non-Selective Catalytic Reduction System	S954	BAAQMD Regulation 9-8-301.2	none	140 ppmv NOx corrected to 15% oxygen
963	Steam Injection System	963	BAAQMD Regulation 9-9-301.1	none	42 ppmv NOx corrected to 15% oxygen
1001	Carbon Canister	S1489, S1490, and S1491	BAAQMD Regulation 8-5-301 and 8-5-306		95% POC control
1002	Carbon Canister	S1489, S1490, and S1491	BAAQMD Regulation 8-5-301 and 8-5-306		95% POC control
1402	Scot Tail Gas Unit/Incinerator	S1416, S1417, S1420	BAAQMD Regulation 6-301	none	Ringelmann No. 1 for more than 3 min/hr

II. Equipment

Table II B – Abatement Devices

Plant #B2758 Tesoro Refining and Marketing Company

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
1403	Brink Mist Eliminator	S1411	BAAQMD Regulation 6-301	none	Ringelmann No. 1 for more than 3 min/hr
1404	Brink Mist Eliminator	S1413, S1414, S1415	BAAQMD Regulation 6-301	none	Ringelmann No. 1 for more than 3 min/hr
1417	Final Converter/Absorber, Dual Absorber	S1411	BAAQMD Regulation 6-301	none	Ringelmann No. 1 for more than 3 min/hr
1418	Packed Scrubber, Packed Bed Scrubber	S1418	BAAQMD Regulation 6-301	none	Ringelmann No. 1 for more than 3 min/hr
~~1420~~	~~Venturi Scrubber~~	~~S1405~~	~~BAAQMD Regulation 6-301~~	~~none~~	~~Ringelmann No. 1 for more than 3 min/hr~~
1421	Final Mist Eliminator, H2SO4 Manufacture, Mist Eliminator	S1411	BAAQMD Regulation 6-301	none	Ringelmann No. 1 for more than 3 min/hr
1422	Sulfur Tank Vent Scubber,Calvert Scrubber	S1404	BAAQMD Regulation 6-301	none	Ringelmann No. 1 for more than 3 min/hr
1431	Technip Selective Catalytic Reduction System w Hitachi Catalyst or equivalent	S927	BAAQMD Condition 18372, part 18; Regulation 9-1-301 (Facility Limit)	none	NOx: 0.033 lb NOx/MMBTU (Facility Limit)
1432	Technip Selective Catalytic Reduction System w Hitachi Catalyst or equivalent	S950	BAAQMD Condition 18372, part 19; Regulation 9-1-301 (Facility Limit)	none	NOx: 0.033 lb NOx/MMBTU (Facility Limit)
1433	Technip Selective Catalytic Reduction System w Hitachi Catalyst or equivalent	S971	BAAQMD Condition 18372, part 20; Regulation 9-1-301 (Facility Limit)	none	NOx: 0.033 lb NOx/MMBTU (Facility Limit)

II. Equipment

Table II B – Abatement Devices

Plant #B2758 Tesoro Refining and Marketing Company

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
1433	#3 Reformer Feed Preheater SCR Unit Catalytic Afterburner	S971, S972	BAAQMD Condition #4357, Part 7A	none	NOx: 75 ppmvd corrected to 3% oxygen, 8 hour average
1106	Selective Catalytic Reduction System	S1106	BAAQMD Condition #19199, Part H9	none	NOx: 10 ppmv, dry, corrected to 3% oxygen
1511	Coker Heater #1 Selective Catalytic Reduction System (SCR)	S1511	BAAQMD Condition #23129, Part 12 Part 13		NOx: 7 ppmvd, corrected to 3% O_2, 3 hour average; ammonia slip: 10 ppmvd, corrected to 3% O_2
			BAAQMD Condition #23129, Part 12a		Startup, Shutdown, Malfunction (<= 144 hours per consecutive 12 months) 50 ppmvd NOx (as NO_2) at 3% O_2, 3 hour average
1512	Coker Heater #2 Selective Catalytic Reduction System (SCR)	S1512	BAAQMD Condition #23129, Part 12 Part 13		NOx: 7 ppmvd, corrected to 3% O_2, 3 hour average; ammonia slip: 10 ppmvd, corrected to 3% O_2

II. Equipment

Table II B – Abatement Devices

Plant #B2758 Tesoro Refining and Marketing Company

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
			BAAQMD Condition #23129, Part 12a		Startup, Shutdown, Malfunction (<= 144 hours per year) 50 ppmvd NOx (as NO_2) at 3% O_2, 3 hour average
1514	Coker Silo #1 Baghouse, 4200 cfm	S1514	BAAQMD Regulation 6-301		Ringelmann No. 1 for no more than 3 min/hr
			BAAQMD Regulation 6-305		No visible particles on real property of another
			BAAQMD Regulation 6-310	4200 scfm exhaust air flow	0.15 grain per dscf
			BAAQMD Condition #23129, part 39	4200 scfm exhaust air flow	0.01 grain per dscf
1515	Coker Silo #2 Baghouse, 4200 cfm	S1515	BAAQMD Regulation 6-301		Ringelmann No. 1 for no more than 3 min/hr
			BAAQMD Regulation 6-305		No visible particles on real property of another
			BAAQMD Regulation 6-310	4200 scfm exhaust air flow	0.15 grain per dscf
			BAAQMD Condition #23129, part 39	4200 scfm exhaust air flow	0.01 grain per dscf

II. Equipment

Table II C – 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 pursuant to 2-1-301. Throughput limits function as reporting thresholds as described in Standard Conditions J.

Plant #B~~1~~2759 Amorco Terminal

S-#	Description	Make or Type	Model	Capacity	Grandfathered Limt, or Firm Limit and Basis
19	Tank B-19 Crude Oil	External floating roof		3318K gal 70,080 K bbl/yr (limit applies to S19, S30, S49, and S50 combined)	Firm Limit Condition #22455, part 9
21	Tank B-21 Crude Oil, Gasoline	External floating roof		3276K gal 70,080 K bbl/yr (limit applies to S19, S30, S49, and S50 combined)	Firm Limit Condition #22455, part 9
30	Tank B-30 Crude Oil, Gasoline	External floating roof		3318K gal 70,080 K bbl/yr (limit applies to S19, S30, S49, and S50 combined)	Firm Limit Condition #22455, part 9
49	Tank B-49 Crude Oil	External floating roof		5964K gal 70,080 K bbl/yr (limit applies to S19, S30, S49, and S50 combined)	Firm Limit Condition #22455, part 9
50	Tank B-50 Crude Oil	External floating roof		5922K gal 70,080 K bbl/yr (limit applies to S19, S30, S49, and S50 combined)	Firm Limit Condition #22455, part 9
54	Amorco Wharf Slop Tank	Horizontal vessel		840 gal 375K bbl gal	Grandfathered Limit
55	Amorco Terminal (New Wharf) Crude Oil, Diesel, Gas Oil, Naphtha, Kerosene, Fuel Oils			70,080K bbl/yr	Firm Limit Condition #22455, part 8
56	On-shore Diesel Fire-Water Pump	Caterpillar	3412DIT	34.2 gal/hr, 660 hp	Firm Limit Condition #20573 Part 1 for S56
57~~6~~	Off-shore/Wharf Diesel Fire-Water Pump	Caterpillar	3412DIT	37.6 gal/hr, 700 hp	Firm Limit Condition #20573 Part 1 for S57

II. Equipment

Table II D – Tank Sources Exempt From Permitting

The following sources have been determined to be exempt from the requirements of BAAQMD Regulation 2, Permits and have applicable requirement(s) listed in Section IV.

Plant #B2758 Tesoro Refining and Marketing Company

S-#	Description	Make or Type	Model	Capacity	Comment (Exemption Citation)
1	Tank A-01	Fixed roof		3,066K gal	2-1-123.3.3 (fuel oil)
2	Tank A-02	Fixed roof		3,158K gal	2-1-123.3.2 (gasoil)
3	Tank A-03	Fixed roof		3,360K gal	2-1-123.3.2 (diesel)
9	Tank A-09	Fixed roof		420K gal	2-1-123.3.2 (diesel)
10	Tank A-10	Fixed roof		1,050K gal	2-1-123.3.2 (diesel)
11	Tank A-11	Fixed roof		252K gal	2-1-123.3.2 (diesel)
14	Tank A-14	Fixed roof		210K gal	Out of service
15	Tank A-15	Fixed roof		84K gal	2-1-123.3.2 (diesel)
22	Tank A-22	Fixed roof		210K gal	2-1-123.3.2 (kerosene)
27	Tank A-27	Fixed roof		252K gal	Out of service
28	Tank A-28	Fixed roof		252K gal	2-1-123.3.3 (gasoil)
29	Tank A-29	Fixed roof		252K gal	Out of service
30	Tank A-30	Fixed roof		252K gal	Out of service
36	Tank A-36	Fixed roof		962K gal	2-1-123.3.3 (fuel oil/resid)
44	Tank A-44	Fixed roof		2,310K gal	2-1-123.3.3 (diesel)
45	Tank A-45	Fixed roof		252K gal	2-1-123.3.3 (diesel)
56	Tank A-56	Fixed roof		1,008K gal	2-1-123.3.2 (diesel) – out of service
57	Tank A-57	Fixed roof		576K gal	2-1-123.3.3 (diesel)
59	Tank A-59	Fixed roof		126K gal	2-1-123.3.3 (diesel)
70	Tank A-70	Fixed roof		966K gal	2-1-123.3.3 (resid/asphalt)
71	Tank A-71	Fixed roof		966K gal	2-1-123.3.3 (resid/asphalt)
131	Tank A-131	Fixed roof		21K gal	2-1-123.3.2 (diesel) – not used
209	Tank A-209	Fixed roof		2,352K gal	2-1-123.3.3 (diesel)
212	Tank A-212	Fixed roof		21K gal	Not in use
220	Tank A-220	Fixed roof		3,318K gal	2-1-123
221	Tank A-221	Fixed roof		3,360K gal	2-1-123
222	Tank A-222	Fixed roof		3,360K gal	2-1-123
226	Tank A-226	Fixed roof		3,360K gal	2-1-123.3.3 (gasoil/SJV)
228	Tank A-228	Fixed roof		3,360K gal	2-1-123
229	Tank A-229	Fixed roof		3,360K gal	2-1-123.3.2 (SJV)
230	Tank A-230	Fixed roof		3,360K gal	2-1-123.3.3 (fuel oil)
232	Tank A-232	Fixed roof		3,360K gal	2-1-123.3.3 (gasoil)

II. Equipment

Table II D – Tank Sources Exempt From Permitting

The following sources have been determined to be exempt from the requirements of BAAQMD Regulation 2, Permits and have applicable requirement(s) listed in Section IV.

Plant #B2758 Tesoro Refining and Marketing Company

S-#	Description	Make or Type	Model	Capacity	Comment (Exemption Citation)
233	Tank A-233	Fixed roof		3,360K gal	2-1-123.3.2 (SJV)
234	Tank A-234	Fixed roof		3,360K gal	2-1-123.3.2 (SJV)
235	Tank A-235	Fixed roof		3,360K gal	2-1-123.3.2 (SJV)
236	Tank A-236	Fixed roof		3,360K gal	2-1-123.3.2 (SJV)
237	Tank A-237	Fixed roof		3,360K gal	2-1-123.3.3 (gasoil)
238	Tank A-238	Fixed roof		3,360K gal	2-1-123.3.2 (SJV)
242	Tank A-242	Fixed roof		3,360K gal	2-1-123.3.2 (SJV)
243	Tank A-243	Fixed roof		3,170K gal	2-1-123.3.3 (gasoil)
244	Tank A-244	Fixed roof		3,360K gal	2-1-123.3.3 (fuel oil/SJV)
245	Tank A-245	Fixed roof		3,360K gal	2-1-123.3.2 (diesel)
246	Tank A-246	Fixed roof		3,170K gal	2-1-123 (diesel/foul water)
247	Tank A-247	Fixed roof		3,170K gal	2-1-123.3.2 (diesel)
258	Tank A-258	Fixed roof		84K gal	2-1-123.3.2 (gasoil)
269	Tank A-269	Fixed roof		3,167K gal	2-1-123.3.2 (diesel)
270	Tank A-270	Fixed roof		3,167K gal	2-1-123.3.2 (diesel)
271	Tank A-271	Fixed roof		3,360K gal	2-1-123.3.2 (diesel)
272	Tank A-272	Fixed roof		3,360K gal	2-1-123.3.2 (diesel)
273	Tank A-273	Fixed roof		3,360K gal	2-1-123.3.2 (diesel)
274	Tank A-274	Fixed roof		3,170K gal	2-1-123.3.2 (diesel)
368	Tank A-368	Fixed roof		2,176K gal	2-1-123.3.3 (resid/asphalt)
369	Tank A-369	Fixed roof		2,188K gal	2-1-123.3.3 (resid/asphalt)
377	Tank A-377	Fixed roof		1,092K gal	2-1-123.3.2 (diesel)
378	Tank A-378	Fixed roof		1,092K gal	2-1-123.3.2 (diesel)
405	Tank A-405	Fixed roof		630K gal	2-1-123.3 (gasoil/diesel)
406	Tank A-406	Fixed roof		378K gal	2-1-123.3 (gasoil/diesel
429	Tank A-429	Fixed roof		3,318K gal	2-1-123.3.2 (foul water, very low hydrocarbon content)
430	Tank A-430	Fixed roof		3,150K gal	2-1-123.3.3 (resid/asphalt)
453	Tank A-453	Fixed roof		42K gal	Tank not used
467	Tank A-467	Fixed roof		1000K bbl	2-1-123.3.2 (caustic tank)
489	Tank A-489	Fixed roof		1,050K gal	2-1-123.3.3
493	Tank A-493	Fixed roof		105K gal	2-1-123.3.3 (fuel oil/OOS)
494	Tank A-494	Fixed roof		105K gal	Tank not used
495	Tank A-495	Fixed roof		4200 gal	2-1-123.3.3 (turbine oil)
496	Tank A-496	Fixed roof		4200 gal	2-1-123.3.3 (turbine oil)

II. Equipment

Table II D – Tank Sources Exempt From Permitting

The following sources have been determined to be exempt from the requirements of BAAQMD Regulation 2, Permits and have applicable requirement(s) listed in Section IV.

Plant #B2758 Tesoro Refining and Marketing Company

S-#	Description	Make or Type	Model	Capacity	Comment (Exemption Citation)
503	Tank A-503	Fixed roof		3,528K gal	2-1-123.3.3 (fuel oil)
506	Tank A-506	Fixed roof		21K gal	2-1-123 (out of service since 1977)
504	Tank A-504	Fixed roof		71K gal	2-1-123.3.3 (fuel oil/OOS)
510	Tank A-510	Fixed Roof		20K gal	2-1-123.3.3 (fuel oil/OOS)
517	Tank A-517	Fixed roof		3,154K gal	2-1-123.3.3 (fuel oil and gasoil)
574	Tank A-574	Fixed roof		1,008K gal	2-1-123.3.3
585	Tank A-585	Fixed roof		420K gal	2-1-123.3.3
586	Tank A-586	Fixed roof		840K gal	2-1-123.3.3 (FCC feed)
602	Tank A-602	Fixed roof		21K gal	2-1-123.3.3
604	Tank A-604	Fixed roof		21K gal	2-1-123.3.2
620	Tank A-620	Fixed roof		3,360K gal	2-1-123.3.2
621	Tank A-621	Fixed roof		3,360K gal	2-1-123.3.2
654	Tank A-654	Fixed roof		42K gal	2-1-123.3.3
662	Tank A-662	Fixed roof		42K gal	2-1-123.3.3
672	Tank A-672	Fixed roof		756K gal	2-1-123.3.3 (fuel oil)
691	Tank A-691	Dome Roof		9,328.2K gal	2-1-123.3.1
872	Tank A-872	External Floating Roof		10,192K gal	2-1-123.3.3 and 2-1-123.3.10 (low sulfur vacuum gas oil)
873	Tank A-873	Fixed Roof		4,074K gal	2-1-123.3.3 and 2-1-123.3.10 (fuel oil)
1024	Tank 80-A-717	Cone Roof		3,360K gal	2-1-123.3.2 (No. 3 HDS feed)
1508	Tank A-907	Fixed Roof		1,250 gal	2-1-123.3.2 and 2-1-123.3.3 (diesel and heavier)

III. GENERALLY APPLICABLE REQUIREMENTS

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

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

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

The full language of SIP requirements is on EPA Region 9's website. The address is included at the end of this permit.

NOTE:

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

Table III
Generally Applicable Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)
BAAQMD Regulation 1	General Provisions and Definitions (5/2/01)	N
SIP Regulation 1	General Provisions and Definitions (8/27/99)	Y
BAAQMD Regulation 2, Rule 1	General Requirements (8/1/01)	N
SIP Regulation 2, Rule 1	General Requirements (8/27/99)	Y

III. Generally Applicable Requirements

Table III
Generally Applicable Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)
BAAQMD Regulation 4	Air Pollution Episode Plan (3/20/91)	N
SIP Regulation 4	Air Pollution Episode Plan (8/06/90)	Y
BAAQMD Regulation 5	Open Burning (11/2/94)	Y
BAAQMD Regulation 6	Particulate Matter and Visible Emissions (12/19/90)	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 (6/15/94)	Y
BAAQMD Regulation 8, Rule 3	Organic Compounds - Architectural Coatings (12/20/95)	Y
BAAQMD Regulation 8, Rule 4	Organic compounds - General Solvent and Surface Coating Operations (5/15/96)	N
SIP Regulation 8, Rule 4	Organic compounds - General Solvent and Surface Coating Operations (12/23/97)	Y
BAAQMD Regulation 8, Rule 49	Organic Compounds - Aerosol Paint Products (12/20/95)	N
SIP Regulation 8, Rule 49	Organic Compounds - Aerosol Paint Products (3/22/95)	Y
BAAQMD Regulation 8, Rule 51	Organic Compounds - Adhesive and Sealant Products (12/20/95)	N
BAAQMD Regulation 11, Rule 2	Hazardous Pollutants - Asbestos Demolition, Renovation and Manufacturing (12/4/91)	Y
BAAQMD Regulation 12, Rule 4	Miscellaneous Standards of Performance - Sandblasting (7/11/90)	Y
SIP Regulation 12, Rule 4	Miscellaneous Standards of Performance - Sandblasting (9/2/81)	N
EPA Regulation 40 CFR 82	Protection of Stratospheric Ozone (2/21/95)	Y
Subpart F, 40 CFR 82.156	Leak Repair	Y
Subpart F, 40 CFR 82.161	Certification of Technicians	Y
Subpart F, 40 CFR 82.166	Records of Refrigerant	Y
40 CFR 61, Subpart M	Asbestos NESHAP	Y

IV. SOURCE-SPECIFIC APPLICABLE REQUIREMENTS

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

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

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

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

Source numbers that reference (B2759) are located at the Amorco Terminal.

Table IV - A
Source-specific Applicable Requirements
FACILITY #B2758

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 1	**General Provisions and Definitions (05/02/01)**		
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	Y	
1-544	Monthly Summary	Y	
1-602	Area and Continuous Emissions Monitoring	Y	
BAAQMD Regulation 2, Rule 1	**General Requirements (8/1/01)**		
2-1-429	Federal Emissions Statement	N	
BAAQMD Regulation 8, Rule 8	**Wastewater (Oil-Water) Separators (6/15/94)**		
8-8-304	Standards: Sludge-dewatering Unit	Y	

IV. Source-specific Applicable Requirements

Table IV - A
Source-specific Applicable Requirements
FACILITY #B2758

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-8-308	Junction Box	Y	
8-8-504	Monitoring and Records: Portable Hydrocarbon Detector	Y	
8-8-602	Manual of Procedures: Determination of Emissions	Y	
8-8-603	Manual of Procedures: Inspection Procedures	Y	
BAAQMD Regulation 8, Rule 16	**Solvent Cleaning Operations (9/16/98)**		
8-16-111	Exemption, Wipe Cleaning	N	
8-16-501.2	Solvent Records	N	
District Regulation 11, Rule 12	**Hazardous Pollutants - National Emission Standards for Benzene Emissions From Benzene Transfer Operations and Benzene Waste Operations (1/6/93)**	Y	
NSPS Title 40 Part 60 Subpart A	**General Provisions**		
40 CFR 60.1	Applicability	Y	
40 CFR 60.2	Definitions	Y	
40 CFR 60.3	Units and Abbreviations	Y	
40 CFR 60.4	Address	Y	
40 CFR 60.5	Determination of Construction or Modification	Y	
40 CFR 60.6	Review of Plans	Y	
40 CFR 60.7	Notification and Recordkeeping	Y	
40 CFR 60.8	Performance Tests	Y	
40 CFR 60.9	Availability of Information	Y	
40 CFR 60.11	Compliance with Standards and Maintenance Requirements	Y	
40 CFR 60.12	Circumvention	Y	
40 CFR 60.13	Monitoring Requirements	Y	
40 CFR 60.14	Modification	Y	
40 CFR 60.15	Reconstructions	Y	
40 CFR 60.488	Reconstruction from NSPS Subpart VV	Y	
40 CFR 60.17	Incorporated by Reference	Y	
40 CFR 60.19	General Notification and Reporting Requirements	Y	
NESHAP Title 40 Part 61 Subpart A	**NESHAP, General Provisions (03/16/94)**		

IV. Source-specific Applicable Requirements

Table IV - A
Source-specific Applicable Requirements
FACILITY #B2758

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
40 CFR 61.01	Lists of Pollutants and Applicability of Part 61	Y	
40 CFR 61.02	Definitions	Y	
40 CFR 61.03	Units and Abbreviations	Y	
40 CFR 61.04	Address	Y	
40 CFR 61.05	Prohibited Activities	Y	
40 CFR 61.06	Determination of Construction or Modification	Y	
40 CFR 61.07	Application for Approval of Construction or Modification	Y	
40 CFR 61.08	Approval of construction or modification	Y	
40 CFR 61.09	Notification of startup	Y	
40 CFR 61.10	Source reporting and waiver request	Y	
40 CFR 61.12	Compliance with Standards and Maintenance Requirements	Y	
40 CFR 61.13	Emission Tests and Waiver of Emission Tests	Y	
40 CFR 61.14	Monitoring Reports	Y	
40 CFR 61.15	Modification	Y	
40 CFR 61.18	Incorporation by reference	Y	
40 CFR 61.19	Circumvention	Y	
NESHAPS Title 40 Part 61 Subpart FF	**NESHAPS, Benzene Waste Operations (01/07/1993)** **(TAB = Total Annual Benzene)**		
40 CFR 61.340(a)	Applicability: Chemical Manufacturing, Coke by-product recovery, petroleum refineries	Y	
40 CFR 61.340(c)	Applicability: Exempt Waste	Y	
40 CFR 61.340(d)	Applicability: Exemption from Subpart FF	Y	
40 CFR 61.341	Definitions	Y	
40 CFR 61.342	Standards: General	Y	
40 CFR 61.342(a)(2)	Standards: TAB Calculation – Material Sold	Y	
40 CFR 61.342(a)(3)	Standards: Treat to 6 Calculation Remediation Waste	Y	
40 CFR 61.342(a)(4)	Standards: TAB Calculation – Determination Location	Y	
40 CFR 61.342(b)	Standards: General; Facility with TAB > 10Mg/year in compliance by 4/7/93	Y	
40 CFR 61.342(c)(1)	Standards: General; Treat benzene-containing waste streams in accordance with 61.342(c)(1)(i), 61.342(c)(1)(ii) and 61.342(c)(1)(iii)	Y	
40 CFR 61.342(c)(1)(i)	Standards: General; Remove or destroy benzene in accordance with 61.348	Y	

IV. Source-specific Applicable Requirements

Table IV - A
Source-specific Applicable Requirements
FACILITY #B2758

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
40 CFR 61.342(c)(1)(ii)	Standards: General; Comply with 61.343 through 61.347 for treatment units operated in accordance with 61.342(c)(1)(i)	Y	
40 CFR 61.342(c)(1)(iii)	Standards: General; Comply with 61.343 through 61.347 for treatment units for recycled wastes. Recycled wastes subject to 61.342(c)	Y	
40 CFR 61.342(e)	Standards: General; Alternative to 61.342(c) and 61.342(d)	Y	
40 CFR 61.342(e)(1)	Standards: General; Treat waste with a flow-weighted annual average water content of less than 10% per 61.342(c)(1)	Y	
40 CFR 61.342(e)(2)	Standards: General; Treatment of waste with a flow-weighted annual average water content of 10% or more by volume.	Y	
40 CFR 61.342(e)(2)(i)	Benzene conent of aqueous waste must be equal to or less than 6.0 Mg/yr (6.6 ton/yr), as determined in 61.355(k).	Y	
40 CFR 61.342(e)(2)(ii)	Standards: General; Determine 61.342(e)(2) benzene quality per	Y	
40 CFR 61.343	Standards: Tanks	Y	
40 CFR 61.343(a)(1)	Storage Tank Design	Y	
40 CFR 61.343(a)(1)(i)(A)	Storage Tank: Fugitives	Y	
40 CFR 61.343(a)(1)(iI)	Storage Tank:Tank Opening	Y	
40 CFR 61.343(a)(1)(i)(B)	Storage Tank: Fixed Roof with Control Device	Y	
40 CFR 61.343(c)	Tanks: Quarterly Visual Inspection	Y	
40 CFR 61.343(d)	Tanks: Repair	Y	
40 CFR61.345(a)	Standards: Containers	Y	
40 CFR 61.345(a)(1)	Standards: Containers--Covers	Y	
40 CFR 61.345(a)(1)(i)	Standards: Containters—Fugitives	Y	
40 CFR 61.345(a)(1)(ii)	Standards: Containers--Openings	Y	
40 CFR 61.345(a)(2)	Standards: Containers--Waste Transfer	Y	
40 CFR 61.345(b)	Standards: Containers--Quarterly inspection	Y	

IV. Source-specific Applicable Requirements

Table IV - A
Source-specific Applicable Requirements
FACILITY #B2758

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
40 CFR 61.345(c)	Standards: Containers--Repairs	Y	
40 CFR 61.346	Standards: Individual drain systems	Y	
40 CFR 61.346(b)(3)	Unburied Sewer Design	Y	
40 CFR 61.346(b)(4)(iv)	Unburied Sewer Quarterly Visual Inspection	Y	
40 CFR 61.346(b)(5)	Unburied Sewer Repair	Y	
40 CFR 61.348	Standards: Treatment process	Y	
40 CFR 61.348(e)	Treatment Process Openings	Y	
40 CFR 61.348(e)(1)	Treatment Process: Quarterly Visual Inspection	Y	
40 CFR 61.348(e)(2)	Treatment Process: Repair	Y	
40 CFR 61.348(f)	Treatment Process: Adminstrator may request demonstration that process meets the applicable requirements in (a) or (b) of this section via performance test using methods and procedures in 61.355	Y	
40 CFR 61.348(g)	Treatment Process: Monitoring with applicable requirements in 61.354	Y	
40 CFR 61.350	Delay of repair	Y	
40 CFR 61.350(a)	Delay of Repair: Allowed if technically impossible without complete or partial facility or unit shutdown.	Y	
40 CFR 61.350(b)	Delay of Repair: Repair shall occur before the end of the next facility or unit shutdown	Y	
40 CFR 61.353	Alternative means of emission limitation	Y	
40 CFR 61.354	Monitoring of operations	Y	
40 CFR 61.354 (a)(1)	Monitoring of operations: Monthly Benzene Sampling	Y	
40 CFR 61.354 (a)(2)	Monitoring of operations: Treatment Process Continuous Monitoring	Y	
40 CFR	Monitoring of Operations: Control Device Continuous Monitoring	Y	

IV. Source-specific Applicable Requirements

Table IV - A
Source-specific Applicable Requirements
FACILITY #B2758

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
61.354(c)			
40 CFR 61.354(c)(4)	Process Heater Temperature Monitoring	Y	
40 CFR 61.354(c)(5)	Process Heater Monitoring	Y	
40 CFR 61.355	Test Methods, Procedures, and Compliance Provisions	Y	
40 CFR 61.355(a)(1)(i)	Test Methods, Procedures, and Compliance Provisions: Annual Waste Quantity Determination	Y	
40 CFR 61.355(a)(1)(ii)	Test Methods, Procedures, and Compliance Provisions: Annual Average Benzene Determination	Y	
40 CFR 61.355(a)(1)(iii)	Test Methods, Procedures, and Compliance Provisions: Annual Benzene Quantity Calculation	Y	
40 CFR 61.355(a)(2)	Test Methods, Procedures, and Compliance Provisions: TAB Calculation	Y	
40 CFR 61.355(a)(3)	Test Methods, Procedures, and Compliance Provisions: If the TAB is equal to or greater than 10 Mg/yr (11 ton/yr), then the owner/operator shall comply with 61.342(c), (d), or (e).	Y	
40 CFR 61.355(a)(6)	Turnaround Waste in TAB	Y	
40 CFR 61.355(b)(4)	Process Unit Turnaround Waste Quantity	Y	
40 CFR 61.355(b)(5)	Test Methods, Procedures, and Compliance Provisions: Waste Quantity from Historical Records	Y	
40 CFR 61.355(b)(6)	Test Methods, Procedures, and Compliance Provisions: Waste Quantity based on Design Capacity	Y	
40 CFR 61.355(b)(7)	Test Methods, Procedures, and Compliance Provisions: Waste Quantity based on Representative Measurements	Y	
40 CFR 61.355(c)(1)	Test Methods, Procedures, and Compliance Provisions: Determination of flow-weighted annual average benzene concentration shall meet all of the following criteria:	Y	
40 CFR 61.355(c)(1)(i)	Made at the point of waste generation except for cases in paragraphs (c)(1)(i)(A) through (D) of this section.	Y	
40 CFR 61.355(c)(1)(i)(	Sour water stream determination	Y	

IV. Source-specific Applicable Requirements

Table IV - A
Source-specific Applicable Requirements
FACILITY #B2758

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
A)			
40 CFR 61.355(c)(1)(i)(D)	Test Methods, Procedures, and Compliance Provisions: Process Unit Turnaround Benzene Concentration Determination	Y	
40 CFR 61.355(c)(1)(ii)	Test Methods, Procedures, and Compliance Provisions: Volatilization of benzene by exposure to air shall not be used to reduce the benzene concentration	Y	
40 CFR 61.355(c)(1)(iii)	Test Methods, Procedures, and Compliance Provisions: Mixing or diluting with other wastes or materials shall not be used to reduce the benzene concentration	Y	
40 CFR 61.355(c)(1)(iv)	Test Methods, Procedures, and Compliance Provisions: Determination made prior to any treatment of waste that removes benzene, except in (c)(1)(i)(A) through (D) of this section	Y	
40 CFR 61.355(c)(1)(v)	Test Methods, Procedures, and Compliance Provisions: For wastes with multiple phases, provide the weighted-average benzene concentration based on the benzene concentration in each phase and the relative proportion of the phases	Y	
40 CFR 61.355(c)(2)	Knowledge of the Waste Benzene Concentration Determination	Y	
40 CFR 61.355(c)(3)(i)	Waste Stream Sampling for Benzene		
40 CFR 61.355(c)(3)(ii) through 40 CFR 61.355(c)(3)(v)	Test Methods	Y	
40 CFR 61.355(e)	Test Methods	Y	
40 CFR 61.355(f)	Test Methods	Y	
40 CFR 61.355(h)	Test Methods	Y	
40 CFR 61.355(i)	Test Mthods	Y	
40 CFR 61.355(k)(1)	Test Methods, Procedures, and Compliance Provisions: Treat to 6 Determination	Y	
40 CFR	For each waste stream that is controlled for air emissions in accordance	Y	

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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
61.355(k)(2)	with61.343. 61.344, 61.345, 61.346, 61.347, or 61.348(a), as applicable to the waste management unit that manages the waste, the determination of annual waste quantity and flow-weighted annual average benzene concentration shall be made at the first applicable location as described in paragraphs (k)(2)(i), (k)(2)(ii), and (k)(2)(iii) of this section and prior to any reduction of benzene concentration through volatilization of the benzene, using the methods given in (k)(2)(iv) and (k)(2)(v) of this section.		
40 CFR 61.355(k)(2)(i)	Where the waste stream enters the first waste management unit not complying with 61.343, 61.344, 61.345, 61.346, 61.347, and 61.348(a) that are applicable to the waste management unit,	Y	
40 CFR 61.355(k)(2)(ii)	For each waste stream that is managed or treated only in compliance with 61.343 through 61.348(a) up to the point of final direct discharge from the facility, the determination of benzene quantity shall be prior to any reduction of benzene concentration through volatilization of the benzene, or	Y	
40 CFR 61.355(k)(2)(iii)	For wastes managed in units controlled for air emissions in accordance with 61.343, 61.344, 61.345, 61.346, 61.347, and 61.348(a), and then transferred offsite, facilities shall use the first applicable offsite location as described in paragraphs (k)(2)(i) and (k)(2)(ii) of this section if they have documentation from the offsite facility of the benzene quantity at this location. Facilities without this documentation for offsite wastes shall use the benzene quantity determined at the point where the transferred waste leaves the facility.	Y	
40 CFR 61.355(k)(2)(iv)	Treat to 6 Controlled Stream Waste Quantity	Y	
40 CFR 61.355(k)(2)(v)	Treat to 6 Controlled Stream Benzene Concentration	Y	
40 CFR 61.355(k)(3)	Treat to 6 Waste Generated Less than One Time per Year	Y	
40 CFR 61.355(k)(5)	Treat to 6 Benzene Quantity Determination	Y	
40 CFR 61.355(k)(2)(6)	Treat to 6 Calcualtion	Y	
40 CFR 61.356	Recordkeeping Requirements	Y	
40 CFR 61.356(a)	Recordkeeping and retention requirements	Y	

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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
40 CFR 61.356(b)	Waste stream records	Y	
40 CFR 61.356(b)(1)	Uncontrolled Waste Stream Records	Y	
40 CFR 61.356(b)(4)	Treat to 6 Waste Stream Records	Y	
40 CFR 61.356(c)	Offsite Waste Transfer Records	Y	
40 CFR 61.356(d)	Recordkeeping Requirements: Control equipment engineering design	Y	
40 CFR 61.356(e)	Recordkeeping Requirements: Treatment process or unit per 61.348	Y	

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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
40 CFR 61.356(e)(1)	A statement signed and dated by the owner or operator certifying that the unit is designed to operate at the documented performance level when the waste stream entering the unit is at the highest waste stream flow rate and benzene content expected to occur.	Y	
40 CFR 61.356(e)(2)	If engineering calculations are used to determine treatment process or wastewater treatment system unit performance, then the owner or operator shall maintain the complete design analysis for the unit. The design analysis shall include for example the following information: Design specifications, drawings, schematics, piping and instrumentation diagrams, and other documentation necessary to demonstrate the unit performance.	Y	
40 CFR 61.356(e)(3)	If performance tests are used to determine treatment process or wastewater treatment system unit performance, then the owner or operator shall maintain all test information necessary to demonstrate the unit performance.	Y	
40 CFR 61.356(e)(3)(i)	Description of unit	Y	
40 CFR 61.356(e)(3)(ii)	Documentation of test protocol	Y	
40 CFR 61.356(e)(3)(iii)	Records of unit operating conditions during each test	Y	
40 CFR 61.356(e)(3)(iv)	All test results	Y	
40 CFR 61.356(e)(4)	Control Device records required by paragraph (f) of this section	Y	
40 CFR 61.356(f)	Recordkeeping Requirements: Closed vent system and control device per 61.349--retain for life of device	Y	
40 CFR 61.356(f)(1)	Control Device Certification	Y	
40 CFR 61.356(f)(2)	Control Device Design Analysis	Y	
40 CFR 61.356(f)(2)(i)	Control Device P&Ids	Y	
40 CFR 61.356(f)(2)(i)(C)	Boiler/Heater Design Analysis	Y	
40 CFR	If performance tests are used to determine control device performance in	Y	

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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
61.356(f)(3)	accordance with Sec. 61.349(c) of this subpart:		
40 CFR 61.356(f)(3)(i)	A description of how it is determined that the test is conducted when the waste management unit or treatment process is operating at the highest load or capacity level. This description shall include the estimated or design flow rate and organic content of each vent stream and definition of the acceptable operating ranges of key process and control parameters during the test program.	Y	
40 CFR 61.356(f)(3)(ii)	A description of the control device including the type of control device, control device manufacturer's name and model number, control device dimensions, capacity, and construction materials.	Y	
40 CFR 61.356(f)(3)(iii)	A detailed description of sampling and monitoring procedures, including sampling and monitoring locations in the system, the equipment to be used, sampling and monitoring frequency, and planned analytical procedures for sample analysis.	Y	
40 CFR 61.356(f)(3)(iv)	All test results.	Y	
40 CFR 61.356(g)	Recordkeeping Requirements: Visual inspection per 61.343 through	Y	
40 CFR 61.356(h)	Recordkeeping Requirements: No detectable emissions tests per 61.343 through 61.347, and 61.349	Y	
40 CFR 61.356(i)	Recordkeeping Requirements: Treatment process or unit per 61.348	Y	
40 CFR 61.356(i)(1)	Startup and Shutdown dates	Y	
40 CFR 61.356(i)(2)	Benzene Concentration Measurement 61.354(a)(1) dates and results	Y	
40 CFR 61.356(i)(3)	Description of parameters to be monitored	Y	
40 CFR 61.356(i)(4)	Benzene Concentration Measurement 61.354(b) dates and results	Y	
40 CFR 61.356(i)(5)	Period when unit is not operated as designed	Y	
40 CFR 61.356(j)	Recordkeeping Requirements: Control device operation	Y	
40 CFR 61.356(j)(1)	Startup and Shutdown dates	Y	

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40 CFR 61.356(j)(2)	Description of parameters to be monitored	Y	
40 CFR 61.356(j)(3)	Periods when closed-vent system and control device are not oprated as designed including:	Y	
40 CFR 61.356(j)(3)(i)	Any valve car-seal or closure mechanism 61.349(a)(1)(ii) is brokeon or by-pass line valve position has changed	Y	
40 CFR 61.356(j)(3)(ii)	Flow monitoring devices 61.349(a)(1)(ii) indicate vapors are not routed to the control device as required	Y	
40 CFR 61.356(j)(6)	Heater Records	Y	
40 CFR 61.357	Reporting Requirements	Y	
40 CFR 61.357(a)(1)	TAB determined in accordance with 61.355(a)	Y	
40 CFR 61.357(a)(2)	Table identifying each waste stream and whether or not the waste stream will be controlled for benzene emissions in accordance with the requirements of this subpart	Y	
40 CFR 61.357(a)(3)	For each waste stream identified as not being controlled for benzene emissions in accordance with the requirements of this subpart the following information shall be added to the table:	Y	
40 CFR 61.357(a)(3)(i)	Whether or not the water content of the waste stream is greater than 10 percent;	Y	
40 CFR 61.357(a)(3)(ii)	Whether or not the waste stream is a process wastewater stream, product tank drawdown, or landfill leachate;	Y	
40 CFR 61.357(a)(3)(iii)	Annual waste quantity for the waste stream;	Y	
40 CFR 61.357(a)(3)(iv)	Range of benzene concentrations for the waste stream;	Y	
40 CFR 61.357(a)(3)(v)	Annual average flow-weighted benzene concentration for the waste stream; and	Y	
40 CFR 61.357(a)(3)(vi)	Annual benzene quantity for the waste stream.	Y	
40 CFR 61.357(d)	Reporting Requirements: Facilities with 10 Mg/yr or more total benzene in waste	Y	

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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
40 CFR 61.357(d)(2)	Annual Benzene Report	Y	
40 CFR 61.357(d)(5)	Treat to 6 Report: If complying with the requirements of 61.342(e), then the report in (d)(2) of this section shall include a table with the following for each waste stream:	Y	
40 CFR 61.357(d)(5)(i)	If identified as not controlled for benzene emissions, the table shall report at the point of waste generation: annual waste quantity, range of benzene concentrations, annual average flow-weighted benzene concentration, and annual benzene quantity;	Y	
40 CFR 61.357(d)(5)(ii)	If identified as controlled for benzene emissions, the table shall report at the applicable location in 61.355(k)(2): annual waste quantity, range of benzene concentrations, annual average flow-weighted benzene concentration, and annual benzene quantity	Y	
40 CFR 61.357(d)(6)	Quarterly Inspection Verification Report	Y	
40 CFR 61.357(d)(7)	Beginning 3 months after the date that the equipment necessary to comply with these standards has been certified in accordance with paragraph (d)(1) of this section, the owner or operaor shall submit a report quarterly to the Adminstrator that includes:	Y	
40 CFR 61.357(d)(7)(ii)	Records of Operation Outside of Range	Y	
40 CFR 61.357(d)(7)(iv)	Control Device Monitoring Records	Y	
40 CFR 61.357(d)(7)(C)	Heater Operation Low Temperature	Y	
40 CFR 61.357(d)(7)(iv)(G)	Change in Heater Design	Y	
40 CFR 61.357(d)(8)	Annual Inspection Report – Detectable Emissions	Y	
40 CFR 61.357(e)	Reporting Requirements for 61.351 and 61.352 equipment	Y	
40 CFR 61.357(g)	Reporting Requirements for 61.352	Y	

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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
40 CFR 63	**National Emission Standards for Hazardous Air Pollutants for Source Categories: General Provisions; and Requirements for Control Technology Determinations for Major Sources in Accordance with Clean Air Act Sections, Section 112(g) and 112(j); Final Rule**		
63.52	Approved process for new and existing affected sources.	Y	
63.52(a)	Sources subject to section 112(j) as of the section 112(j) deadline	Y	
63.52(a)(1)	Submit an application for Title V permit revision	Y	
63.52(e)	Permit application review	Y	
63.52(e)(1)	Submit a Part 2 MACT application meeting the requirements of 63.53(b) for Combustion Turbines	Y	12/29/03
63.52(e)(1)	Submit a Part 2 MACT application meeting the requirements of 63.53(b) for Organic Liquids Distribution	Y	12/29/03
63.52(e)(1)	Submit a Part 2 MACT application meeting the requirements of 63.53(b) for Site Remediation	Y	12/29/03
63.52(e)(1)	Submit a Part 2 MACT application meeting the requirements of 63.53(b) for Industrial Boilers, Institutional/Commercial Boilers, and Process Heaters	Y	6/27/04
63.52(e)(1)	Submit a Part 2 MACT application meeting the requirements of 63.53(b) for Industrial Boilers, Institutional/Commercial Boilers, and Process Heaters (that burn hazardous waste)	Y	11/12/05
63.52(h)	Enhanced monitoring	Y	
63.52(h)(i)	MACT emission limitations	Y	
63.52(h)(i)(1)	Compliance with all requirements applicable to affected sources, including compliance date for affected sources	Y	
63.53	Application content for case-by-case MACT determination	Y	
63.53(a)	Part 1 MACT application	Y	
63.53(b)	Part 2 MACT application	Y	
NESHAP Title 40 Part 63 Subpart A	**General Provisions of MACT Standards (03/16/94)**		
40 CFR 63.1	Applicability	Y	
40 CFR 63.2	Definitions	Y	
40 CFR 63.4	Prohibited activities and circumvention	Y	

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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
40 CFR 63.5	Construction and Reconstruction	Y	
40 CFR 63.6	Compliance with standards and maintenance requirements	Y	
40 CFR 63.7	Performance testing requirements	Y	
40 CFR 63.8	Monitoring requirements	Y	
40 CFR 63.9	Notification requirements	Y	
40 CFR 63.10	Recordkeeping and reporting requirements	Y	
40 CFR 63.12	State Authority and Delegations	Y	
40 CFR 63.13	Addresses of EPA Regional Offices	Y	
40 CFR 63.14	Incorporation by Reference	Y	
40 CFR 63.15	Availability of Information and confidentiality	Y	
NESHAP Title 40 Part 63 Subpart CC	**National Emission Standards for Hazardous Air Pollutants from Petroleum Refineries**	**Y**	
63.640	Applicability	Y	
63.641	Definitions	Y	
63.642	Standards	Y	
63.643	Miscellaneous process vent provisions	Y	
63.644	Monitoring provisions for miscellaneous process vents	Y	
63.645	Test methods and procedures for miscellaneous process vents	Y	
40 CFR 63.647(a)	Wastewater Provisions	Y	
40 CFR 63.647(c)	Wastewater Provisions	Y	
63.654	Recordkeeping	Y	
63.654 (e)	Periodic Reports	Y	
63.654 (g)	Record Maintenance	Y	
63.654 (g) (6)	Report Excess Emissions for Miscellaneous Process Vents	Y	
NESHAPS Title 40 Part 63 Subpart UUU	**National Emission Standards for Hazardous Air Pollutants for Petroleum Refineries: Catalytic Cracking Units, Catalytic Reforming Units, and Sulfur Recovery Units (4/11/2006)**		
63.1561(a)(1)	Applicable to petroleum refineries located at a major source of HAP emissions	Y	

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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.1561(a)(2)	Applicable to a major source of HAPs with potential to emit 10 tpy any single HAP or 25 tpy of any combination of HAPs	Y	
61.1562(a)	Applicable to any new, reconstructed, or existing source at a petroleum refinery	Y	
61.1562(b)	Applicable affected sources include catalytic regenerators, catalytic reforming units, sulfur recovery units, and bypass lines serving affected units	Y	
61.1562(e)	An affected source is existing if it is not new or reconstructed.	Y	
61.1562(f)	Subpart UUU does not apply to:	Y	
61.1562(f)(4)	equipment associated with bypass lines including low leg drains, high point bleed, analyzer vents, open-ended valves or lines, or pressure relief valves needed for safety reasons.	Y	
61.1562(f)(5)	gaseous streams routed to a fuel gas system.	Y	
61.1563(b)	Comply with the emission limitations and work practice standards for existing sources by April 11, 2005.	Y	
61.1563(e)	Meet the notification requirements according to 63.1574 and 40 CFR 60 Part 63 Subpart A.	Y	
63.1570	General Compliance Requirements	Y	
63.1570(a)	Operate in compliance with non-opacity standards at all times except during periods of startup, shutdown, and malfunction, as specified in 63.6(f)(1)	Y	
63.1570(b)	Operate and compliance with opacity and visible emission limits as specified in 63.6(h)(1)	Y	
63.1570(c)	Operate and maintain source including pollution control and monitoring equipment in accordance with 63.6(e)(1).	Y	
63.1570(d)	Develop and implement startup, shutdown, and malfunction plan (SSMP) in accordance with 63.6(e)(3)	Y	
63.1570(f)	Report deviations from compliance with this subpart according to the requirements of 63.1575	Y	
63.1570(g)	Deviations that occur during startup, shutdown, or malfunction are not violations if operating in accordance with SSMP	Y	
63.1571	Performance Tests	Y	

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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.1571(a)	Conduct Performance Test and submit results no later than 150 days after compliance date	Y	
63.1571(a)(1)	If initial compliance is not demonstrated by performance test, opacity observation, or visible emission observation, then conduct initial compliance demonstration within 30 calendar days after compliance date.	Y	
63.1571(b)	Requirements for Performance Tests	Y	
63.1571(c)	Procedures for engineering assessments	Y	
63.1571(d)	Adjustments to values measured during performance tests	Y	
63.1571(e)	Changes in established operating limits	Y	
63.1573	Monitoring Alternatives	Y	
63.1573(c)	Automated data compression system (optional)	Y	
63.1575	Reports	Y	
63.1575(a)	Required reports: Semiannual compliance report (Table 43, Item 1)	Y	
63.1575(b)	Specified semiannual report submittal dates	Y	
63.1575(c)	Information required in semiannual compliance report	Y	
63.1575(d)	Information required in compliance report for deviations from emission limitations and work practice standards where CEMS or COMS **is not** used to comply with emission limitation or work practice standard	Y	
63.1575(e)	Information required in compliance report for deviations from emission limitations and work practice standards where CEMS or COMS **is** used to comply with emission limitation or work practice standard	Y	
63.1575(f)	Additional information for compliance reports	Y	
63.1575(g)	Submittal of reports required by other regulations in place of or as part of compliance report if they contain the required information	Y	
63.1575(h)	Reporting requirements for startups, shutdowns, and malfunctions	Y	
63.1576	Recordkeeping	Y	
63.1576(a)	Required Records – General	Y	
63.1576(g)	Records in a form suitable and readily available for review	Y	
63.1576(h)	Maintain records for 5 years	Y	
63.1576(i)	Records onsite for two years; may be maintained offsite for remaining 3 years	Y	
63.1577	Parts of Subpart A General Provisions which apply to this Subpart.	Y	

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NESHAP Title 40 Part 63 Subpart EEEE	**National Emission Standards for Hazardous Air Pollutants: Organic Liquids Distribution (Non-Gasoline)**	**Y**	**By February 5, 2007 for existing sources. Upon start-up for new sources.**
63..2334 to 63.2342	Applicability		
63.2342(b)(2)	Existing Floating Roof Storage Tanks		After next degassing or cleaning or February 3, 2014. If degassing or cleanng w/I 3 rears of Febrary 3, 2004, then Febrary 5, 2007
63.2350	General Compliance Requirements		
63.2352 to 63.2370	Testing and Initial Compliance Requirements		
63.2374 to 63.2378	Continuous Compliance Requirements		
63.2382 to 63.2394	Notifications, Reports, and Records		
63.2396 to 63.2406	Other Requirements and Information		
NESHAP Title 40 Part 63 Subpart YYYY	**National Emission Standards for Hazardous Air Pollutants for Stationary Combustion Turbines**	**Y**	**Upon start-up for new sources.**
63.6080 to 63.6095	Applicability		

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63.6100	Emissions and Operating Limitations		
63.6105	General Compliance Requirements		
63.6110 to 63.6130	Testing and Initial Compliance Requirements		
63.6135 to 63.6140	Continuous Compliance Requirements		
63.6145 to 63.6160	Notifications, Reports, and Records		
63.6165 to 63.6175	Other Requirements and Information		
NESHAP Title 40 Part 63 Subpart GGGGG	**National Emission Standards for Hazardous Air Pollutants for Site Remediation**	**Y**	**By October 9, 2006 for existing sources. Upon start-up for new sources.**
BAAQMD Regulation 8, Rule 10	**Organic Compound – Process Vessel Depressurization (1/21/2004)**		
8-10-301	Depressurization Control Options	N	
8-10-302	Opening of Process Vessels	N	
8-10-302.1	organic compounds cannot exceed 10,000 ppm (methane) prior to release to atmosphere	N	
8-10-302.2	Organic compound concentration of a refinery process vessel may exceed 10,000 ppm prior to release to atmosphere provided total number of such vessels during 5-year period does not exceed 10%	N	
8-10-401	Turnaround Records. Annual report due February 1 of each year with initial report of process vessels due 4/1/2004.	N	
8-10-501	Monitoring prior to and during process vessel opening	Y	
8-10-502	Concentration measurement using EPA Method 21	Y	
8-10-503	Recordkeeping	N	
8-10-601	Monitoring Procedures	N	
SIP Regulation 8, Rule 10	**Organic Compound – Process Vessel Depressurization (7/20/83)**		

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8-10-301	Process Vessel Depressurizing.	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.	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 40	**Aeration of Contaminated Soil and Removal of Underground Storage Tanks**		
8-40-304	Active Storage Piles	Y	
8-40-305	Inactive Storage Piles	Y	
8-40-306	Contaminated Soil – Excavation and Removal	Y	
8-40-402	Reporting, Excavation of Contaminated Soil	Y	
BAAQMD Regulation 9, Rule 1	**Sulfur Dioxide**	**Y**	
9-1-110	Conditional Exemption, Area Monitoring	Y	
9-1-301	Limitations on Ground Level Concentrations	Y	
9-1-501	Area Monitoring Requirements	Y	
9-1-601	Ground Level Monitoring	Y	
BAAQMD Regulation 9, Rule 2	**Hydrogen Sulfide**	**Y**	
9-2-110	Exemptions	N	
9-2-301	Limitations on Hydrogen Sulfide	N	
9-2-501	Area Monitoring Requirements (Applies only when ground level monitors are not operating or are out of compliance.)	N	
9-2-601	Ground Level Monitoring	N	

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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Condition # 5379	**Refinery Wide Permit Conditions**		
Part 1	Access to crude lightering vessels (basis: cumulative increase)	Y	
Part 2	Voyage history (basis: cumulative increase, offsets, bubble)	Y	
Part 3	U.S. Army Corps of Engineers form 3925 (basis: cumulative increase, offsets, bubble)	Y	
Part 4	Controlled transfer quarterly vertification (basis: cumulative increase, offsets, bubble)	Y	
Part 5	Emission factors (basis: cumulative increase, offsets, bubble)	Y	
Part 6	Maximum pressure, pressure excursions, pressure relief valve lifting (basis: cumulative increase, offsets)	Y	
Part 7	Vessel pressure continuous recording (cumulative increase, offsets, bubble	Y	
Part 8	Lightering tank vessel leak testing requirement (basis: cumulative increase, offsets, bubble)	Y	
Part 9	Inert gas system requirement and use of controlled emission factors (basis: cumulative increase, offsets, bubble)	Y	
Part 10	Fugitive emission maintenance program (basis: cumulative increase, offsets, bubble)	Y	
Part 11	Fugitive emission survey requirements (basis: cumulative increase, offsets, bubble)	Y	
Part 12	Prohibition against venting of crude oil vapors to atmosphere (basis: cumulative increase, offsets, bubble)	Y	
Part 13	Emission cap adjustment concurrent with Reg. 8, Rule 46 effective date and cap reduction proration provision (basis: cumulative increase, offsets, bubble)	Y	
BAAQMD Condition # 10525	**Refinery Wide Permit Conditions**		
Part 6	Daily POC Emission Limitation on Marine Transport and Transfer of MTBE, ETBE and TAME, and Ship Ballasting, Vessel Unloading, Ship and Tug Boat Engines (basis: cumulative increase, offsets, toxics)	Y	
Part 7	Record Keeping for Ship and Barge deliveries of MTBE, ETBE, and TAME and Monthly Emission Calculations for Inclusion with Totals	Y	

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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	from Condition ID # 4357, Part 2, Part 2 (basis: cumulative increase, offsets)		
Part 8	Requirement for Pressure Relief Valves to Be Vented to Flare Gas Vapor Recovery System (basis: Regulation 8-28, BACT)	Y	
BAAQMD Condition # 19528	**Refinery Wide Permit Conditions**		
Part 12 Part 12A	Requirements Applicable to Tanks Exempt from Regulation 8-5, pursuant to Regulation 8-5-117 Record Keeping Requirements Applicable to Tanks Exempt from Regulation 8-5, pursuant to Regulation 8-5-117	Y Y	
Part 16	Startup/Shutdown Notification (basis: Regulation 2-1-403)	N	

Table IV - A1
Source-specific Applicable Requirements
FACILITY #B2759

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 2, Rule 1	**General Requirements (8/1/01)**		
2-1-429	Federal Emissions Statement	N	
BAAQMD Regulation 8, Rule 40	**Aeration of Contaminated Soil and Removal of Underground Storage Tanks**		
8-40-304	Active Storage Piles	Y	
8-40-305	Inactive Storage Piles	Y	
8-40-306	Contaminated Soil – Excavation and Removal	Y	
8-40-402	Reporting, Excavation of Contaminated Soil	Y	
BAAQMD Regulation 9, Rule 1	**Sulfur Dioxide**	**Y**	

IV. Source-specific Applicable Requirements

Table IV - A1
Source-specific Applicable Requirements
FACILITY #B2759

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
9-1-110	Conditional Exemption, Area Monitoring	Y	
9-1-301	Limitations on Ground Level Concentrations	Y	
9-1-501	Area Monitoring Requirements	Y	
9-1-601	Ground Level Monitoring	Y	
BAAQMD Regulation 9, Rule 2	**Hydrogen Sulfide**	**Y**	
9-2-110	Exemptions	N	
9-2-301	Limitations on Hydrogen Sulfide	N	
9-2-501	Area Monitoring Requirements (Applies only when ground level monitors are not operating or are out of compliance.)	N	
9-2-601	Ground Level Monitoring	N	
NESHAP Title 40 Part 63 Subpart EEEE	**National Emission Standards for Hazardous Air Pollutants: Organic Liquids Distribution (Non-Gasoline)**	**Y**	**By February 5, 2007 for existing sources. Upon start-up for new sources.**
63..2334 to 63.2342	Applicability		
63.2342(b)(2)	Existing Floating Roof Storage Tanks		After next degassing or cleaning or February 3, 2014. If degassing or cleanng w/I 3 rears of Febrary 3, 2004, then Febrary 5, 2007

IV. Source-specific Applicable Requirements

Table IV - A1
Source-specific Applicable Requirements
FACILITY #B2759

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.2350	General Compliance Requirements		
63.2352 to 63.2370	Testing and Initial Compliance Requirements		
63.2374 to 63.2378	Continuous Compliance Requirements		
63.2382 to 63.2394	Notifications, Reports, and Records		
63.2396 to 63.2406	Other Requirements and Information		
BAAQMD Condition # 5379	**Refinery Wide Permit Conditions**		
Part 1	Access to crude lightering vessels (basis: cumulative increase)	Y	
Part 2	Voyage history (basis: cumulative increase, offsets, bubble)	Y	
Part 3	U.S. Army Corps of Engineers form 3925 (basis: cumulative increase, offsets, bubble)	Y	
Part 4	Controlled transfer quarterly vertification (basis: cumulative increase, offsets, bubble)	Y	
Part 5	Emission factors (basis: cumulative increase, offsets, bubble)	Y	
Part 6	Maximum pressure, pressure excursions, pressure relief valve lifting (basis: cumulative increase, offsets)	Y	
Part 7	Vessel pressure continuous recording (cumulative increase, offsets, bubble	Y	
Part 8	Lightering tank vessel leak testing requirement (basis: cumulative increase, offsets, bubble)	Y	
Part 9	Inert gas system requirement and use of controlled emission factors (basis: cumulative increase, offsets, bubble)	Y	
Part 10	Fugitive emission maintenance program (basis: cumulative increase, offsets, bubble)	Y	
Part 11	Fugitive emission survey requirements (basis: cumulative increase, offsets, bubble)	Y	
Part 12	Prohibition against venting of crude oil vapors to atmosphere (basis: cumulative increase, offsets, bubble)	Y	
Part 13	Emission cap adjustment concurrent with Reg. 8, Rule 46 effective date and cap reduction proration provision (basis: cumulative increase, offsets, bubble)	Y	

IV. Source-specific Applicable Requirements

Table IV - A1
Source-specific Applicable Requirements
FACILITY #B2759

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Condition # 10525			
Part 6	Daily POC Emission Limitation on Marine Transport and Transfer of MTBE, ETBE and TAME, and Ship Ballasting, Vessel Unloading, Ship and Tug Boat Engines (basis: cumulative increase, offsets, toxics)	Y	
Part 7	Record Keeping for Ship and Barge deliveries of MTBE, ETBE, and TAME and Monthly Emission Calculations for Inclusion with Totals from Condition ID # 4357, Part 2, Part 2 (basis: cumulative increase, offsets)	Y	
Part 8	Requirement for Pressure Relief Valves to Be Vented to Flare Gas Vapor Recovery System (basis: Regulation 8-28, BACT)	Y	
BAAQMD Condition # 19528	**Refinery Wide Permit Conditions**		
Part 12	Requirements Applicable to Tanks Exempt from Regulation 8-5, pursuant to Regulation 8-5-117	Y	
Part 12A	Record Keeping Requirements Applicable to Tanks Exempt from Regulation 8-5, pursuant to Regulation 8-5-117	Y	
BAAQMD Condition # 22455	**Refinery Wide Permit Conditions**		
Part 1	Start-up condition (fugitive count) (basis: cumulative increase, offsets, toxics risk screen)	Y	
Part 2	Start-up condition (offsets) (basis: offsets)	Y	
Part 3	Fugitive emission limit for valves (basis: BACT, Regulation 8-28, toxics risk screen)	Y	
Part 4	Fugitive emission limit for flanges and connectors (basis: BACT, Regulation 8-28, toxics risk screen)	Y	
Part 5	Fugitive emission limit for pump seals (basis: BACT, Regulation 8-28, toxics risk screen)	Y	
Part 6	Fugitive emission limit for relief valves (basis: BACT, Regulation 8-28, toxics risk screen)	Y	
Part 7	Integration of fugitive components into facility fugitive equipment monitoring and repair program (basis: BACT, Regulation 8-18)	Y	

IV. Source-specific Applicable Requirements

Table IV - A1
Source-specific Applicable Requirements
FACILITY #B2759

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 8	S-55 Amorco Wharf Terminal throughput limit of 70,080,000 barrels of crude oil per any consecutive 12 month period (basis: cumulative increase, offsets, toxic risk screen)	Y	
Part 9	S-19, S-21, S-30, S-49, and S-50 Tanks shall not exceed a combined throughput of 70,080,000 barrels of crude oil per any consecutive 12 month period. (basis: cumulative increase, offsets, toxic risk screen)	Y	
Part 10	Transfer limitations (basis: cumulative increase)	Y	
Part 11	Shipping limitations (basis: cumulative increase)	Y	
Part 12	Recordkeeping (basis: cumulative increase, recordkeeping, Regulation 1-441)	Y	

IV. Source-specific Applicable Requirements

Table IV - B
Source-specific Applicable Requirements
S97-CATALYST FINES HOPPER
S98-FCCU: CATALYST FINES HOPPER
S99-FCCU:CATALYST FINES HOPPER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann Number 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Condition # 19528			
Part 1	Throughput limit (basis: Regulation 2-1-234.3; Regulation 2-1-403 Regulation 2-6-503)	Y	
Part 13 Part 13A	Monitoring (basis: Regulation 2-1-403; Regulation 2-6-503) Monitoring (basis: Regulation 2-1-403; Regulation 2-6-503)	Y Y	

Table IV – C
Source-specific Applicable Requirements
S100-AVON WHARF LOADING BERTH NO. 1

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 44	**Organic Compounds-Marine Vessel Loading Terminals (1/4/89)**	**Y**	
8-44-110	Exemption: loading events	Y	
8-44-111	Exemption: marine vessel fueling	Y	
8-44-301	Marine Terminal Loading Limit	Y	
8-44-301.1	Limited to 5.7 gram per cubic meter (2 lb per 1000 bbls) of organic liquid loaded, or	Y	
8-44-301.2	POC emissions reduced 95% by weight from uncontrolled conditions	Y	
8-44-302	Emission control equipment	Y	

IV. Source-specific Applicable Requirements

Table IV – C
Source-specific Applicable Requirements
S100-AVON WHARF LOADING BERTH NO. 1

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-44-303	Operating practice	Y	
8-44-304	Equipment Maintenance	Y	
8-44-304.1	Certified leak free, gas tight and in good working order	Y	
8-44-304.2	Loading ceases any time gas or liquid leaks are discovered	Y	
8-44-402	Safety/Emergency Operations	Y	
8-44-402.1	Rule does not require act/omission in violation of Coast Guard/other rules	Y	
8-44-402.2	Rule does not prevent act/omission for vessel safety or saving life at sea	Y	
8-44-501	Record keeping	Y	
8-44-501.1	Name and location	Y	
8-44-501.2	Responsible company	Y	
8-44-501.3	Dates and times	Y	
8-44-501.4	Name, registry of the vessel loaded and legal owner	Y	
8-44-501.5	Prior cargo carried	Y	
8-44-501.6	Type, amount of liquid cargo loaded	Y	
8-44-501.7	Condition of tanks	Y	
8-44-502	Burden of proof	Y	
NESHAPS Part 63 Subpart CC	**National Emission Standards for Marine Tank Vessel Loading Operations**	**Y**	
63.651	Marine Vessel Tank Loading Operations Provisions	Y	
BAAQMD Condition # 878			
Part 1	Emission factors (basis: cumulative increase)	Y	
Part 2	Requirement for pressure recorder/controller, related record keeping, and record retention (basis: cumulative increase)	Y	
Part 3	Leak testing requirement (basis: cumulative increase)	Y	
Part 4	Use of "Non-Vapor Recovery" emission factors (basis: cumulative increase)	Y	
Part 5	Data for determining emissions from marine activity	Y	
BAAQMD Condition # 19528			
Part 1	Throughput limit (basis: Regulation 2-1-234.3.1)	Y	
Part 2	Record Keeping (basis: Regulation 2-1-234.3.1)	Y	

IV. Source-specific Applicable Requirements

Table IV – D
Source-specific Applicable Requirements
S101- TRUCK RACK

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Condition # 19528			
Part 1	Throughput limit (basis: Regulation 2-1-234.3; Regulation 2-1-403, Regulation 2-6-503)	Y	

Table IV – E
Source-specific Applicable Requirements
S103-NON-RETAIL SERVICE STATION G7610, 1 NOZZLE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 7	**Organic Compounds - Gasoline Dispensing Facilities (11/17/99)**		
8-7-301	Phase I Requirements	Y	
8-7-301.1	Requirement for Phase 1 Vapor Recovery	Y	
8-7-301.2	Requirement to meet most recent CARB Requirements	Y	
8-7-301.3	Requirement for submerged fill pipe	Y	
8-7-301.5	Requirement for Phase 1 equipment to be maintained to be properly Operating as specified by manufacturer and/or CARB Executive Order	Y	
8-7-301.6	Execpt for compnents with an allowabl leak rate, requirement for all Phase one equipment to be leak-free and vapor tight	Y	
8-7-301.7	Requirement for vapor return	Y	
8-7-301.8	Prohibition against the installation of coaxial Phase 1 systems	Y	
8-7-301.9	Requirement for CARB certified anti-rotational coupler or swivel adapter	Y	
8-7-301.10	Requirement for vapor recovery rate	Y	

IV. Source-specific Applicable Requirements

Table IV – E
Source-specific Applicable Requirements
S103-NON-RETAIL SERVICE STATION G7610, 1 NOZZLE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-7-301.12	Requirement for spill box equipped with drain valve on the vapor pipe of a Phase 1 system	Y	
8-7-302	Phase II Requirements	Y	
8-7-302.1	Requirement for CARB Certified Phase II System	Y	
8-7-302.2	Maintenance of Phase II System per CARB Requirements	Y	
8-7-302.3	Maintenance of All Equipment as Specified by Manufacturer	Y	
8-7-302.4	Repair of Defective Parts Within 7 Days	Y	
8-7-302.5	Leak-Free, Vapor-Tight	Y	
8-7-302.6	Insertion Interlocks	Y	
8-7-302.7	Built-In Vapor Check Valve	Y	
8-7-302.8	Minimum Liquid Removal Rate	Y	
8-7-302.9	Coaxial Hose	Y	
8-7-302.10	Galvanized Piping or Flexible Tubing	Y	
8-7-302.11	ORVR Compatible	Y	
8-7-302.12	Liquid Retainment Limit	Y	
8-7-302.13	Spitting Limit	Y	
8-7-303	Topping Off	Y	
8-7-304	Certification Requirements	Y	
8-7-306	Prohibition of Use	Y	
8-7-307	Posting of Operating Instructions	Y	
8-7-308	Operating Practices	Y	
8-7-309	Contingent Vapor Recovery Requirements	Y	
8-7-313	Requirements for New or Modified Phase II Installations	Y	
8-7-313.1	Emission limit on nozzle fill interface	Y	
8-7-313.2	Emission limit on spillage	Y	
8-7-313.3	Emission limit on liquid retain and spillage	Y	
8-7-315	Pressure Vacuum Valve Requirement, Underground Storage Tank	Y	
8-7-316	Pressure Vacuum Valve Requirement, Aboveground Storage Tanks and Vaulted Below-Grade Storage Tanks	N	
8-7-401	Permit Requirements, New and Modified Installations	Y	
8-7-406	Testing Requirements, New and Modified Installations	Y	
8-7-501	Burden of Proof	Y	
8-7-502	Right of Access	Y	
8-7-503	Record Keeping Requirements	Y	

IV. Source-specific Applicable Requirements

Table IV – E
Source-specific Applicable Requirements
S103-NON-RETAIL SERVICE STATION G7610, 1 NOZZLE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-7-503.1	Gasoline Dispensed Records	Y	
8-7-503.2	Dispensing Facility Maintenance Records	Y	
8-7-503.3	Dispensing Records Retention	Y	
BAAQMD Condition # 8003			
Part 1	Access to Hasstech Processor and vacuum pump (basis: cumulative increase, toxics)	Y	
Part 2	Requirement for a remote status panel and tank correction gauge (basis: cumulative increase, toxics)	Y	
Part 3	Pressure limitation during loading operations (basis: cumulative increase, toxics)	Y	
Part 4	Pressure vacuum valve tightness (basis: cumulative increase, toxics)	Y	
Part 5	Throughput limit. (basis: toxics)	N	
Part 6	Record keeping (basis: cumulative increase, toxics)		
BAAQMD Condition # 19528			
Part 1	Throughput limit (basis: Regulation 2-1-234.3, Regulation 2-1-403 Regulation 2-6-503)	Y	

IV. Source-specific Applicable Requirements

Table IV - F
Source-specific Applicable Requirements
S106-AVON WHARF LOADING BERTH NO. 3, S107-AVON WHARF LOADING BERTH NO. 4, S108- AVON WHARF LOADING BERTH NO. 5, S114-AVON WHARF LOADING BERTH NO. 6

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 44	**Organic Compounds-Marine Vessel Loading Terminals (1/4/89)**	**Y**	
8-44-110	Exemption: loading events	Y	
8-44-111	Exemption: marine vessel fueling	Y	
8-44-301	Marine Terminal Loading Limit	Y	
8-44-301.1	Limited to 5.7 gram per cubic meter (2 lb per 1000 bbls) of organic liquid loaded, or	Y	
8-44-301.2	POC emissions reduced 95% by weight from uncontrolled conditions	Y	
8-44-302	Emission control equipment	Y	
8-44-303	Operating practice	Y	
8-44-304	Equipment Maintenance	Y	
8-44-304.1	Certified leak free, gas tight and in good working order	Y	
8-44-304.2	Loading ceases any time gas or liquid leaks are discovered	Y	
8-44-402	Safety/Emergency Operations	Y	
8-44-402.1	Rule does not require act/omission in violation of Coast Guard/other rules	Y	
8-44-402.2	Rule does not prevent act/omission for vessel safety or saving life at sea	Y	
8-44-501	Record keeping	Y	
8-44-501.1	Name and location	Y	
8-44-501.2	Responsible company	Y	
8-44-501.3	Dates and times	Y	
8-44-501.4	Name, registry of the vessel loaded and legal owner	Y	
8-44-501.5	Prior cargo carried	Y	
8-44-501.6	Type, amount of liquid cargo loaded	Y	
8-44-501.7	Condition of tanks	Y	
8-44-502	Burden of proof	Y	
NESHAPS Part 63 Subpart CC	**National Emission Standards for Marine Tank Vessel Loading Operations**	**Y**	

IV. Source-specific Applicable Requirements

Table IV - F
Source-specific Applicable Requirements
S106-AVON WHARF LOADING BERTH NO. 3,
S107-AVON WHARF LOADING BERTH NO. 4,
S108- AVON WHARF LOADING BERTH NO. 5,
S114-AVON WHARF LOADING BERTH NO. 6

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.651	Marine Vessel Tank Loading Operations Provisions	Y	
BAAQMD Condition # 19528			
Part 1	Throughput limit (basis: Regulation 2-1-234.3, Regulation 2-1-403 Regulation 2-6-503)	Y	

Table IV – G
Source-specific Applicable Requirements
S125-BULK PLANT TRUCK/RAIL

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Notes
BAAQMD Condition # 19528			
Part 1	Throughput limit (basis: Regulation 2-1-234.3, Regulation 2-1-403 Regulation 2-6-503)	Y	

IV. Source-specific Applicable Requirements

Table IV – H
Source-specific Applicable Requirements
S590-DEA FLASH DRUM

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Notes
BAAQMD Condition # 7405			
Part 1	Deleted	Y	
Part 2	Fugitive Component Inspection and Maintenance Program and Leak Standards (basis: cumulative increase, toxics, Regulation 8-18, Regulation 8-25, Regulation 8-25, Regulation 8-28)	Y	
Part 3	Requirement for Pressure Relief Valves to Vent to Flare (basis: cumulative increase, Regulation 8-28)	Y	
BAAQMD Condition # 19528			
Part 1	Throughput limit (basis: Regulation 2-1-234.3, Regulation 2-1-403 Regulation 2-6-503)	Y	

Table IV – I
Source-specific Applicable Requirements
S606-50 UNIT WASTEWATER AIR STRIPPER A
S607–50 UNIT WASTEWATER AIR STRIPPER B

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 2	**Miscellaneous Operations (6/15/94)**		
8-2-301	Miscellaneous Operations	Y	
BAAQMD Condition # 7410			
Part 1	Requirement for Abatement (basis: cumulative increase, toxics)	Y	
Part 2	Stripped Gas Throughput Limit (basis: toxics)	Y	

IV. Source-specific Applicable Requirements

Table IV – I
Source-specific Applicable Requirements
S606-50 UNIT WASTEWATER AIR STRIPPER A
S607–50 UNIT WASTEWATER AIR STRIPPER B

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 3	Non-methane Hydrocarbon Emission Limit and Averaging Time (basis: cumulative increase)	Y	
Part 4	Hydrogen Sulfide Emission Limit and Averaging Time (basis: toxics)	N	
Part 5	Minimum Temperature for S-950 During Abatement (basis: cumulative increase)	Y	
Part 6	Temperature Monitoring and Recording (basis: cumulative increase)	Y	
Part 7	Record Keeping (basis: toxics, cumulative increase)	Y	
BAAQMD Condition # 19528			
Part 1	Throughput limit (basis: Regulation 2-1-234.3, Regulation 2-1-403 Regulation 2-6-503)	Y	

Table IV – Ia
Source-specific Applicable Requirements
S532-OIL WATER SEPARATOR; TANK T-532

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 8	**Wastewater (Oil-Water) Separator (08/29/94)**		
8-8-301	Wastewater separators rated capacity greater than 760 Liters per Day and Smaller than 18.9 liters per seconds (300 gal/min), must be equipped with one of the following:	Y	
8-8-301.3	An organic compound vapor recovery system with a combined collection and destruction efficiency of at least 95% by weight	Y	
8-8-303	Gauging and Sampling Devices	Y	
8-8-305	Oil-Water Separator and/or Air Flotation Unit Slop Oil Vessels must be equipped with one of the following:	Y	
8-8-305.2	An organic compound vapor recovery system with a combined collection and destruction efficiency of at least 70% by weight	Y	
8-8-503	Inspection and Repair Records	Y	

IV. Source-specific Applicable Requirements

Table IV – Ia
Source-specific Applicable Requirements
S532-OIL WATER SEPARATOR; TANK T-532

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Condition # 20099			
Part 1	Throughput limit (basis: cumulative increase, toxics, BACT, offsets)	Y	
Part 2	Vapor tight (basis: Regulation 8-8, cumulative increase, toxics, offsets, BACT)	Y	
Part 3	Abatement at all times (basis: BACT, Regulation 8-8, cumulative increase, toxics, offsets)	Y	
Part 4	Destruction efficicency of 98% (basis: BACT)	Y	
Part 5	Startup source test requirement (basis: BACT)	Y	
Part 6	Periodic source test requirement (basis: BACT)	Y	
Part 7	Preventative maintenance conditions (basis: BACT)	Y	
Part 8	Monitoring and recordkeeping of throughput (basis: cumulative increase, toxics, offsets)	Y	
Part 9	Recordkeeping when abatement is not used (basis: cumulative increase, toxics, offsets)	Y	
Part 10	Requirement to shutdown S-46 (basis: offsets)	N	
BAAQMD Condition # 19528			
Part 1	Throughput limit (basis: Regulation 2-1-234.3, Regulation 2-1-403 Regulation 2-6-503)	Y	

IV. Source-specific Applicable Requirements

Table IV – Ib
Source-specific Applicable Requirements
S1484-OIL WATER SEPARTOR; PRESSURE VESSEL

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 8	**Wastewater (Oil-Water) Separator (08/29/94)**		
8-8-301	Wastewater separators rated capacity greater than 760 Liters per Day and Smaller than 18.9 liters per seconds (300 gal/min), must be equipped with one of the following:	Y	
8-8-301.3	An organic compound vapor recovery system with a combined collection and destruction efficiency of at least 95% by weight	Y	
8-8-303	Gauging and Sampling Devices		
8-8-305	Oil-Water Separator and/or Air Flotation Unit Slop Oil Vessels must be equipped with one of the following:	Y	
8-8-305.2	An organic compound vapor recovery system with a combined collection and destruction efficiency of at least 70% by weight	Y	
8-8-503	Inspection and Repair Records	Y	
BAAQMD Condition # 19762			
Part B1	Throughput limit (basis: cumulative increase, toxics, BACT, offsets)	Y	
Part B2	Vapor tight (basis: Regulation 8-8, cumulative increase, toxics, offsets, BACT)	Y	
Part B3	Abatement at all times (basis: BACT, Regulation 8-8, cumulative increase, toxics, offsets)	Y	
Part B4	Recordkeeping of throughput (basis: cumulative increase, toxics, offsets)	Y	
BAAQMD Condition # 19528			
Part 1	Throughput limit (basis: Regulation 2-1-234.3, Regulation 2-1-403 Regulation 2-6-503)	Y	

IV. Source-specific Applicable Requirements

Table IV – J
Source-specific Applicable Requirements
S659- COKE STORAGE , S660- COKE STORAGE, ABATED BY A-9 COKER PRECIPITATOR

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann Number 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-311	General Operations (process weight rate limitation)	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Condition # 19528			
Part 1	Throughput limit (basis: Regulation 2-1-234.3, Regulation 2-1-403 Regulation 2-6-503)	Y	
Part 14a	Monitoring (basis: Regulation ~~2-1-403; Regulation 2-6-503~~6-302)	Y	~~**June 1, 2004**~~
BAAQMD Condition # 20682			
Part 1	S659 and S660 shall be abated by A-9 at all times petroleum coke transfer operations occur	Y	
Part 2	Total throughput limit	Y	
Part 3	Recordkeeping	Y	
BAAQMD Condition # 23129			
Part 39	S659 and S660 shall be abated by A-9 at all times. PM limit for A-9. (basis: cumulative increase)	Y	
Part 41	A-9 air flow (basis: cumulative increase)	Y	
Part 42	Recordkeeping	Y	

IV. Source-specific Applicable Requirements

Table IV – Ja
Source-specific Applicable Requirements
S810-COKE PILE LOADING SYSTEM, S821-COKE STORAGE PILE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann Number 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-311	General Operations (process weight rate limitation)	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Condition # 19528			
Part 1	Throughput limit (basis: Regulation 2-1-234.3, Regulation 2-1-403 Regulation 2-6-503)	Y	
Part 14	Monitoring (basis: Regulation 2-1-403; Regulation 2-6-503)	Y	~~**April 1, 2004**~~

Table IV – K
Source-specific Applicable Requirements
S802–FCCU: FLUID CATALYTIC CRACKER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 1	**General Provisions and Definitions (5/02/01)**	**Y**	
BAAQMD Regulation 1	**General Provisions and Definitions (5/02/01)**	**Y**	
1-501	Sampling Facilities	Y	
1-520	Continuous Emission Monitoring	Y	
1- 520.5	SO2 and opacity monitors at catalyst regenerators of FCC units	Y	
1-521	Monitoring may be required by APCO	Y	
1-522	Continuous Emission Monitoring and Recordkeeping Procedures	Y	
1-522.1	approval of plans and specifications	Y	
1-522.2	scheduling requirements	Y	

IV. Source-specific Applicable Requirements

Table IV – K
Source-specific Applicable Requirements
S802–FCCU: FLUID CATALYTIC CRACKER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
1-522.3	CEM performance testing	Y	
1-522.4	reporting of inoperative CEMs	Y	
1-522.5	CEM calibration requirements	Y	
1-522.6	CEM accuracy requirements	Y	
1-522.7	emission limit exceedance reporting requirements	Y	
1-522.8	monitoring data submittal requirements	Y	
1-522.9	recordkeeping requirements	Y	
1-522.10	monitors required by Sections 1-521 or 2-1-403 shall meet the requirements specified by the APCO	Y	
SIP Regulation 1	**PROVISIONS NO LONGER IN CURRENT RULE General Provisions and Definitions (11/10/82)**		
1-522.7	**Excesses**	Y	
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann Number 1 Limitation	Y	
6-302	Opacity Limit (where opacity monitor is required by the District)	Y	
6-304	Tube Cleaning	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-401	Appearance of Emissions	Y	
6-501	Sampling Facilities and Instruments Required (where opacity monitor is required by the District)	Y	
6-502	Data, Records and Reporting (where opacity monitor is required by the District)	Y	
BAAQMD Regulation 9, Rule 1	**Inorganic Gaseous Pollutants – Sulfur Dioxide (3/15/95)**		
9-1-310	Emission Limitations for Fluid Catalytic Cracking Units, Fluid Cokers, and Coke Calcining Kilns	Y	
9-1-310.1	catalytic cracking unit emission limitation	Y	
9-1-313	Sulfur Removal Operations at Petroleum Refineries (processing more than 20,000 bbl/day of crude oil)	Y/N	
9-1-313.1	crude oil sulfur content does not exceed 0.10 percent by weight, OR	Y	

IV. Source-specific Applicable Requirements

Table IV – K
Source-specific Applicable Requirements
S802–FCCU: FLUID CATALYTIC CRACKER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
9-1-313.2	operation of a sulfur removal and recovery system that removes and recovers: 95% of H2S from refinery fuel gas, 95% of H2S and ammonia from process water streams (sulfur recovery is required when a facility removes 16.5 ton/day or more of elemental sulfur).	N	
9-1-502	Emission Monitoring Requirements (Regulations 1-520, 1-522)	Y	
SIP Regulation 9, Rule 1	**Inorganic Gaseous Pollutants, Sulfur Dioxide Emissions Limitations (6/8/99)**		
9-1-313	Sulfur Removal Operations at Petroleum Refineries	Y[1]	
9-1-313.2	Sulfur Removal and Recovery System	Y	
9-1-502	Emission Monitoring Requirements (Regulations 1-520, 1-522)	Y	
40 CFR Part 60 Subpart A	**New Source Performance Standards – General Provisions (7/1/2000)**	**Y**	
60.7	Notification and Recordkeeping	Y	
60.8	Performance Tests	Y	
60.11	Compliance with standards and maintenance requirements	Y	
60.12	Circumvention	Y	
60.13	Monitoring requirements	Y	
60.19	General notification and reporting requirements	Y	
NSPS Title 40 Part 60 Subpart J	**NSPS Subpart J for Petroleum Refineries (08/17/1989)**		
60.102	Standard for Particulate Matter	Y	
60.102(a)(1)	Limit on particulate matter from catalyst regenerator	Y	
60.102(a)(2)	Limit on opacity of gases from catalyst regenerator	Y	
60.102(b)	Limit on particulate matter from catalyst regenerator where gases pass through an incinerator or waste heat boiler in which auxiliary or supplemental fuel is burned.	Y	
60.103	Standard for Carbon Monoxide	Y	
60.103(a)	Limit on carbon monoxide emissions from catalyst regenerator	Y	
60.104	Standard for Sulfur Dioxide	Y	
60.104(b)(2)	Limit on sulfur oxide emissions from catalyst regenerator without an add-	Y	

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

IV. Source-specific Applicable Requirements

Table IV – K
Source-specific Applicable Requirements
S802–FCCU: FLUID CATALYTIC CRACKER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	on control device.		
60.104(c)	7-day rolling average	Y	
60.105	Monitoring of Emissions and Operations	Y	
60.105(a)(1)	Continuous opacity monitoring requirement for catalyst regenerator emissions to atmosphere	Y	
60.105(a)(2)	Continuous CO concentration monitoring requirement for catalyst regenerator emissions to atmosphere	Y	
60.105(c)	Average coke burn-off rate (Mg (tons) per hour) and hours of operation	Y	
60.105(e)	Periods of excess emissions	Y	
60.105(e)(1)	Opacity	Y	
60.105(e)(2)	Carbon monoxide	Y	
60.106	Test Methods and Procedures	Y	
60.106(b)(3)	Coke burn-off rate calculation	Y	
60.106(i)	Calculation procedures for determining compliance with §60.104(b)(2)	Y	
60.106(i)(12)	An owner or operator may, upon approval by the Administrator, use an alternative method for determining compliance with §60.104(b)(2)	Y	
60.107	Reporting and recordkeeping requirements	Y	
60.107(b)(2)	Records if subject to §60.104(b)(2)	Y	
60.107(b)(4)	Records for each 7-day rolling average compliance determination	Y	
60.107(c)(1)(ii)	Information to be included in reports	Y	
60.107(c)(3)	Information to be included in reports	Y	
60.107(e)	Submit semiannually for each six-month period, a report postmarked by the 30th day following the end of each six-month period.	Y	
60.107(f)	Submit signed statement certifying accuracy and completeness of information contained in the report.	Y	
NESHAPS Title 40 Part 63 Subpart UUU	**Emission Standards for Hazardous Air Pollutants for Petroleum Refineries: Catalytic Cracking Units, Catalytic Reforming Units, and Sulfur Recovery Units (4/11/2002)**		
63.1564	Requirements for HAP Emissions from Catalytic Cracking Units	Y	
63.1564(a)	Emission Limitations and Work Practice Standards	Y	
63.1564(a)(1)	Emission limitation requirements for Catalytic Cracking Units subject to NSPS 60.102 for PM: Meet Meet the emission limitations for NSPS units. (Table 1, Item 1)	Y	

IV. Source-specific Applicable Requirements

Table IV – K
Source-specific Applicable Requirements
S802–FCCU: FLUID CATALYTIC CRACKER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.1564(a)(3)	Prepare Operation, Maintenance, and Monitoring Plan and operate in compliance with the plan	Y	
63.1564(b)	Initial Compliance Demonstration with emission limitations and work practice standards	Y	
63.1564(b)(1)	Install Continuous Opacity Monitoring System (COMS) to measure and record the opacity of emissions from each catalyst regenerator vent. (Tabl;e 3, Item 1)	Y	
63.1564(b)(6)	Demonstrate Initial Compliance with Work Practice Standard by submitting Operation, Maintenance, and Monitoring Plan as part of the Notification of Compliance Status report.	Y	
63.1564(b)(7)	Submit Notice of Initial Compliance Status containing the results of the initial compliance demonstration.	Y	
63.1564(c)	Continuous Compliance Demonstration with emission limitation and work practice standards	Y	
63.1564(c)(1)	For PM emission limit, determine and record daily average coke burn-off rate and hours of operation for catalyst regenerator; use process data to determine the volumetric flow rate; and maintain PM emission rate below 1.0 lb/1,000 lbs of coke burn-off. For site-specific opacity limit collect hourly average continuous opacity monitoring system data and maintain each 6-minute average per 1-hour period below the site-specific limit. (Table 6, Item 1)	Y	
63.1565	Requirements for Organic HAP Emissions from Catalytic Cracking Units	Y	
63.1565(a)	Emission Limitations and Work Practice Standards	Y	
63.1565(a)(1)	Emission limitation requirements for Catalytic Cracking Units subject to NSPS for CO in 60.103: Meet emission limitations for NSPS units.	Y	
63.1565(a)(3)	Prepare Operation, Maintenance, and Monitoring Plan and operate in compliance with the plan.	Y	
63.1565(b)	Initial Compliance Demonstration with emission limitations and work practice standards	Y	
63.1565(b)(1)	Install Continuous Emissions Monitoring System (CEMS) to measure and record the CO emissions concentration (ppmvd) from each catalyst regenerator vent. (Table 10, Item 1)	Y	
63.1565(b)(4)	Initial Compliance Demonstration with emission limitation. (Table 12, Item 1)	Y	
63.1565(b)(5)	Demonstrate Initial Compliance with Work Practice Standard by submitting Operation, Maintenance, and Monitoring Plan as part of the Notification of Compliance Status report.	Y	

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Table IV – K
Source-specific Applicable Requirements
S802–FCCU: FLUID CATALYTIC CRACKER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.1565(b)(6)	Submit Notice of Initial Compliance Status containing the results of the initial compliance demonstration.	Y	
63.1565(c)	Continuous Compliance Demonstration with emission limitation and work practice standards		
63.1565(c)(1)	Demonstrate Continuous Compliance with emission limitation by collecting hourly average CO data, maintain hourly average CO concentration at or below 500 ppmvd. (Table 13, Item 1)	Y	
63.1565(c)(2)	Demonstrate Continuous Compliance with Work Practice Standard through maintaining records to document conformance with the Operation, Maintenance, and Monitoring Plan.	Y	
63.1569	Requirements for HAP Emissions from Bypass Lines	Y	
63.1569(a)(1)	Meet work practice standards for bypass lines by selecting one of four options.	Y	
63.1569(a)(1)(i)	Install an automated system in the bypass line (Table 36, Option 1)	Y	
63.1569(a)(3)	Prepare an Operations, Maintenance, and Operating Plan, and operate at all times in accordance with the Plan.	Y	
63.1569(b)	Initial Compliance Demonstration with work practice standards	Y	
63.1569(b)(1)	Conduct performance test for automated bypass line (Table 37, Option 1)	Y	
63.1569(b)(2)	Demonstrate initial compliance with work practice standard for bypass line with automated system (Table 38, Option 1).	Y	
63.1569(b)(3)	Demonstrate initial compliance with the work practice standard for automated bypass lines by submitting an Operations, Maintenance, and Monitoring Plan as part of the Notification of Compliance Status report.	Y	
63.1569(b)(4)	Submit the Notification of Compliance Status containing the results of the initial compliance demonstration.	Y	
63.1569(c)	Demonstrate continuous compliance with the work practice standards for bypass lines.	Y	
63.1569(c)(1)	Demonstrate continuous compliance with the work practice standards for automated bypass lines by continuously monitoring and recording whether flow is present in the bypass line, and recording whether the device is operating properly. (Table 39, Option 1)	Y	
63.1569(c)(2)	Demonstrate continuous compliance with the work practice standard for automated bypass lines by complying with the Operation, Maintenance, and Monitoring Plan.	Y	
63.1570	General Compliance Requirements	Y	

IV. Source-specific Applicable Requirements

Table IV – K
Source-specific Applicable Requirements
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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.1570(a)	Operate in compliance with non-opacity standards at all times except during periods of startup, shutdown, and malfunction, as specified in 63.6(f)(1)	Y	
63.1570(b)	Operate in compliance with the opacity limits at all times except during periods of startup, shutdown, and malfunction, as specified in 63.6(h)(1).	Y	
63.1570(c)	Operate and maintain source including pollution control and monitoring equipment in accordance with 63.6(e)(1).	Y	
63.1570(d)	Develop and implement startup, shutdown, and malfunction plan (SSMP) in accordance with 63.6(e)(3)	Y	
63.1570(e)	Operate in accordance with SSMP during periods of startup, shutdown, and malfunction	Y	
63.1570(f)	Report deviations from compliance with this subpart according to the requirements of 63.1575	Y	
63.1570(g)	Deviations that occur during startup, shutdown, or malfunction are not violations if operating in accordance with SSMP	Y	
63.1571	Performance Tests	Y	
63.1571(a)	Conduct Performance Test and submit results no later than 150 days after compliance date	Y	
63.1571(b)	Requirements for Performance Tests	Y	
63.1571(b)(1)	Conduct performance tests in accordance with the requirements of 63.7(e)(1)	Y	
63.1571(b)(2)	Except for opacity and visual emissions observations, conduct three separate test runs of at least an hour for each performance test	Y	
63.1571(b)(3)	Conduct each performance evaluation in accordance with the requirements of 63.8(e)	Y	
63.1571(b)(4)	Do not conduct performance tests during periods of startup, shutdown, or malfunction	Y	
63.1571(b)(5)	Arithmetic average of emission rates	Y	
63.1572	Monitoring installation, operation, and maintenance requirements	Y	
63.1572(b)	Monitoring installation, operation, and maintenance requirements for continuous opacity monitoring systems.	Y	
63.1572(d)	Data monitoring and collection requirements	Y	
63.1572(d)(1)	Conduct monitoring at all times source is operating except for monitoring malfunctions, repairs, and QA/QC activities	Y	
63.1572(d)(2)	Not use data recorded during monitoring malfunctions, repairs, and QA/QC activities	Y	
63.1573	Monitoring Alternatives	Y	

IV. Source-specific Applicable Requirements

Table IV – K
Source-specific Applicable Requirements
S802–FCCU: FLUID CATALYTIC CRACKER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.1573(a)(2)	Alternative to calculate regenerator exhaust rate based on air flow rate to the regenerator, and CO/CO2, and O2 in exhaust flow	Y	
63.1574	Notification Requirements	Y	
63.1574(a)(2)	Submit notification of intent to conduct performance test 30 days before scheduled (instead of 60 days)	Y	
63.1574(a)(3)	Notification of Compliance Status	Y	
63.1574(a)(3)(ii)	Submit Notification of Compliance Status for initial compliance demonstration that includes a performance test, no later than 150 days after source compliance date	Y	
63.1574(d)	Information to be Submitted in Notice of Compliance Status (Table 42): identification of affected sources and emission points (Item 1); initial compliance demonstration (Item 2); continuous compliance (Item 3)	Y	
63.1574(f)	Requirement to prepare Operation, Maintenance, and Monitoring Plan	Y	
63.1574(f)(1)	Submit plan to permitting authority for review and approval along with NOCS. Include duty to prepare and implement plan into Part 70 or 71 permit. Submit changes for review and approval. Comply with approved OMMP until change approved.	Y	
63.1574(f)(2)	Minimum contents of Operation, Maintenance, and Monitoring Plan	Y	
63.1575	Reports	Y	
63.1575(a)	Required reports: semiannual compliance report (Table 43, Item 1)	Y	
63.1575(b)	Specified semiannual report submittal dates	Y	
63.1575(c)	Information required in compliance report	Y	
63.1575(d)	Information required for deviations from emission limitations and work practice standards where CEMS or COMS **is not** used to comply with emission limitation or work practice standard	Y	
63.1575(e)	Information required for deviations from emission limitations and work practice standards where CEM or COMS **is** used to comply with emission limitation or work practice standard	Y	
63.1575(f)	Additional information for compliance reports	Y	
63.1575(g)	Submittal of reports required by other regulations in place of or as part of compliance report if they contain the required information	Y	
63.1575(h)	Reporting requirements for startups, shutdowns, and malfunctions	Y	
63.1576	Recordkeeping	Y	
63.1576(a)	Required Records – General	Y	
63.1576(b)	Records for continuous emission monitoring systems and continous opacity monitoring systems	Y	
63.1576(c)	Records required by for visible emission observations (63.6(h))	Y	

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Table IV – K
Source-specific Applicable Requirements
S802–FCCU: FLUID CATALYTIC CRACKER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.1576(d)	Records required by Tables 6, 7, 13, and 14 of Subpart UUU for catalytic cracking units and Table 39 for bypass lines	Y	
63.1576(e)	Maintain copy of Operation, Maintenance, and Monitoring Plan and records to show continuous compliance with plan	Y	
63.1576(f)	Records of changes that affect emission control system performance	Y	
63.1576(g)	Records in a form suitable and readily available for review	Y	
63.1576(h)	Maintain records for 5 years	Y	
63.1576(i)	Records onsite for two years; may be maintained offsite for remaining 3 years	Y	
BAAQMD Condition # 11433			
Part 1	Requirement for abatement by A-30 Electrostatic Precipitator (basis: cumulative increase, BACT, offsets)	Y	
Part 2	Annual emission limits by pollutant (basis: cumulative increase, BACT, offsets)	Y	
Part 2A	NOx, CO, and SO2 CEM requirement	Y	
Part 2B	Continuous Opacity Monitor (basis: Reg. 6-302)	Y	~~June 1, 2004~~
Part 3	Requirement for new pressure relief valves to be vented to flare vapor recovery system (basis: cumulative increase, BACT, offsets)	Y	
Part 4	Requirement to monitor and calculate emissions (basis: cumulative increase ,BACT, offsets)	Y	
Part 5	Procedure for development of new emission factors (basis: cumulative increase, offsets)	Y	
Part 6	Record keeping (basis: cumulative increase, offsets, BACT)	Y	
Part 7	NOx Emission Limits	Y	
Part 8	SO2 Emission Limits	Y	
Part 9	CO Emission Limits	Y	
Part 10	Particulate Emission Limits	Y	
Part 11	Limits not applicable during startup, shutdown or malfunction	Y	
Part 12	Limits not applicable during hydrotreater outage, including startup, shutdown or malfunction	Y	
BAAQMD Condition # 19528			

IV. Source-specific Applicable Requirements

Table IV – K
Source-specific Applicable Requirements
S802–FCCU: FLUID CATALYTIC CRACKER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 1	Throughput limit (basis: Regulation 2-1-234.3, Regulation 2-1-403 Regulation 2-6-503)	Y	
BAAQMD Condition # 22150			
Part 1	Continuous ESP opacity monitoring for assurance of compliance with Regulations 6-310. (basis: Regulation 6-310, 2-6-503)	Y	
Part 2	Opacity limit; Each time the opacity exceeds the established range of compliance, the owner/operator shall conduct a source test to determine compliance with Regulations 6-310. The source test shall be within 45 days of the detection of the exceedence. (basis: Regulation 2-6-503)	Y	
Part 3	Exceedences of parametric compliance range are deviations and shall be reported as deviations in all Title V reports. (basis: Regulation 2-6-503)	N	

Table IV – L
Source-specific Applicable Requirements
S804–FCCU: BLOWDOWN , S807–COKER: BLOWDOWN DRUM, ~~S822–CRACKER AREA BLOWDOWN,~~ S834–NO. 50 CRUDE UNIT BLOWDOWN DRUM

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Condition # 19528			
Part 1	Throughput limit (basis: Regulation 2-1-234.3, Regulation 2-1-403 Regulation 2-6-503)	Y	

IV. Source-specific Applicable Requirements

Table IV – M
Source-specific Applicable Requirements
S806–COKER: FLUID COKING

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 1	**General Provisions and Definitions (5/17/00)**	**Y**	
1-520	Continuous Emission Monitoring [not applicable to coke calcining kilns]	Y	
1-520.6	SO2 and opacity monitors at fluid cokers with a fresh feed rate exceeding 10,000 bbl/day	Y	
1-522	Continuous Emission Monitoring and Recordkeeping Procedures [not applicable to coke calcining kilns]	Y/N	
1-522.1	approval of plans and specifications	Y	
1-522.2	scheduling requirements	Y	
1-522.3	CEM performance testing	Y	
1-522.4	reporting of inoperative CEMs	Y	
1-522.5	CEM calibration requirements	Y	
1-522.6	CEM accuracy requirements	Y	
1-522.7	emission limit exceedance reporting requirements	N	
1-522.8	monitoring data submittal requirements	Y	
1-522.9	recordkeeping requirements	Y	
SIP Regulation 1	**PROVISIONS NO LONGER IN CURRENT RULE General Provisions and Definitions (11/10/82)**		
1-522.7	**Excesses**	Y	
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann No. 1 Limitation	Y	
6-302	Opacity Limitation	Y	
6-310	Particle Weight Limitation	Y	
BAAQMD Regulation 9, Rule 1	**Inorganic Gaseous Pollutants – Sulfur Dioxide (3/15/95)**		
9-1-310	Emission limitation for FCC Units, Fluid Cokers and Coke Calcining Kilns	Y	
9-1-310.1	1,000 ppmv SO2 from any source in an FCC unit or fluid coker	Y	
9-1-310.3	cites 9-1-110.1 and 9.1.110.2 (which cite 1-510, 1-530, 1-540, 1-542, 1-543, 1-544, 9-1-301)	Y	
9-1-502	Emission Monitoring Requirements (Regulations 1-520, 1-522)	Y	

IV. Source-specific Applicable Requirements

Table IV – M
Source-specific Applicable Requirements
S806–COKER: FLUID COKING

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Condition # 19528			
Part 1	Throughput limit (basis: Regulation 2-1-234.3, Regulation 2-1-403 Regulation 2-6-503)	Y	
BAAQMD Condition # 22150			
Part 1	Continuous ESP opacity monitoring for assurance of compliance with Regulations 6-310. (basis: Regulation 6-310, 2-6-503)	Y	
Part 2	Opacity limit; Each time the opacity exceeds the established range of compliance, the owner/operator shall conduct a source test to determine compliance with Regulations 6-310. The source test shall be within 45 days of the detection of the exceedence. (basis: Regulation 2-6-503)	Y	
Part 3	Exceedences of parametric compliance range are deviations and shall be reported as deviations in all Title V reports. (basis: Regulation 2-6-503)	N	

Table IV – N
Source-specific Applicable Requirements
S815–NO. 1 FEED PREP., S816-NO. 2 FEED PREP., S817-NO. 3 CRUDE UNIT

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8 Rule 18	See Tables IV-X and IV-J for fugitives requirements	Y	
BAAQMD Condition #8548			

IV. Source-specific Applicable Requirements

Table IV – N
Source-specific Applicable Requirements
S815–NO. 1 FEED PREP., S816-NO. 2 FEED PREP., S817-NO. 3 CRUDE UNIT

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 1	Requirement for abatement by A-12 (basis: Reg. 1-301, toxics)	Y	
Part 2	Fugitive component inspection and maitenance (basis: cumulative increase, offsets, Regulation 8-18, Regulation 8-25, Regulation 8-28)	Y	
Part 3	Pressure relief valve requirement (basis: BACT, cumulative increase, offsets)	Y	
BAAQMD Condition # 4357			
Part 3Aii	Reduced limit on crude throughput applicable when criteria in condition 4357 part 2 is met. (basis: cumulative increase, bubble, offsets)	Y	
BAAQMD Condition # 8077			
Part B3Aii	Reduced limit on crude throughput applicable when criteria in condition 8077 part B2 is met. (basis: cumulative increase, bubble, offsets)	Y	
BAAQMD Condition # 10696			
Part 1	Requirement for VOC abatement (basis: Regulation: 1-301, toxics)	Y	
Part 2	Inspection and maintenance program for fugitives, fugitive emission limits (basis: cumulative increase, offsets, Regulation 8-18, Regulation 8-25, Regulation 8-28)	Y	
Part 3	Hydrocarbon pressure relieve valves to be vented to flare vapor recovery system (basis: BACT, cumulative increase, offsets)	Y	
Part 4	Fugitive component count and emission offsetting requirements (basis: cumulative increase, BACT	Y	
BAAQMD Condition # 17837 (applies to S817)			
Part 1	Calendar day throughput limit (basis: 2-1-234.3, Regulation 2-1-403, Regulation 2-6-503)	Y	
Part 2	365 day throughput limit (basis: 2-1-234.3, Regulation 2-1-403, Regulation 2-6-503)	Y	

IV. Source-specific Applicable Requirements

Table IV – N
Source-specific Applicable Requirements
S815–NO. 1 FEED PREP., S816-NO. 2 FEED PREP., S817-NO. 3 CRUDE UNIT

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 3	Record keeping (basis: 2-1-234.3, Regulation 2-1-403, Regulation 2-6-503)	Y	
BAAQMD Condition # 19528			
Part 1	Throughput limit (basis: Regulation 2-1-234.3, Regulation 2-1-403 Regulation 2-6-503)	Y	

Table IV – O
Source-specific Applicable Requirements
S819-API OIL WATER SEPARATOR

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 8	**Wastewater (Oil-Water) Separator (6/15/94)**	**Y**	
8-8-114	Exemption, bypassed oil-water separator or air flotation influent	**Y**	
8-8-302	Wastewater separators rated capacity larger than or equal to 18.9 liters per seconds (300 gal/min), must be equipped with one of the following:	**Y**	
8-8-302.3	a vapor-tight fixed cover with an organic compound vapor recovery, or system which has a combined collection and destruction efficiency of at least 95 percent, by weight, inspection and access hatches shall be closed except for inspection, maintenance, or wastewater sampling, or	**Y**	
8-8-303	Gauging and Sampling Devices	Y	
8-8-501	API Separator or Air Flotation Bypassed Wastewater Records	Y	
8-8-503	Inspection and Repair Records	Y	
NSPS 40 CFR 60 Subpart QQQ	**Standards of Performance for VOC Emissions from Petroleum Refinery Wastewater Systems**	**Y**	
60.692-3	Standards: Oil-water separators.	Y	
60.693-2	Alternative standards for oil-water separators.	Y	
60.694	Permission to use alternative means of emission limitation.	Y	

IV. Source-specific Applicable Requirements

Table IV – O
Source-specific Applicable Requirements
S819-API OIL WATER SEPARATOR

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Condition # 7406			
Part A1	Enclosure requirement and abatement requirement (basis: Regulation 8-8, BACT, offsets, toxics, cumulative increase)	Y	
Part A2	Back up abatement requirement (basis: Regulation 8-8, BACT, offsets, toxics, cumulative increase)	Y	
Part A3	Access hatch closure requirement (basis: Regulation 8-8, BACT, offsets, toxics, cumulative increase)	Y	
Part A4	Requirement for covers to comply with Reg. 8, Rule 8. (basis: Regulation 8-8, BACT, offsets, toxics, cumulative increase)	Y	
BAAQMD Condition # 19528			
Part 1	Throughput limit (basis: Regulation 2-1-234.3, Regulation 2-1-403 Regulation 2-6-503)	Y	

IV. Source-specific Applicable Requirements

Table IV – P
Source-specific Applicable Requirements
S823–HEAT EXCHANGER CLEANING PIT NORTH, S824–HEAT EXCHANGER CLEANING PIT SOUTH

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann Number 1 Limitation	Y	
BAAQMD Regulation 8, Rule 2	**Organic Compounds, Miscellaneous Operations (6/15/94)**	**Y**	
8-2-301	Miscellaneous Operations: emissions shall not exceed 15 lb/day and 300 ppm total carbon on a dry basis	Y	
BAAQMD Condition # 19528			
Part 1	Throughput limit (basis: Regulation 2-1-234.3, Regulation 2-1-403 Regulation 2-6-503)	Y	
BAAQMD Condition # 22227			
Part 1	Visible emission check (basis: Regulation 2-6-409.2)	Y	
Part 2	Records (basis: Regulation 2-6-409.2)	Y	

Table IV – Q
Source-specific Applicable Requirements
S831–BIO-OXIDATION POND, S842–WASTEWATER TREATMENT PLANT

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 1	**General Provisions and Definitions (5/17/00)**	**Y**	
1-301	Public Nuisance Prohibition	N	
BAAQMD Regulation 8,	**Organic Compounds, Miscellaneous Operations (6/15/94)**	**Y**	

IV. Source-specific Applicable Requirements

Table IV – Q
Source-specific Applicable Requirements
S831–BIO-OXIDATION POND,
S842–WASTEWATER TREATMENT PLANT

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Rule 2			
8-2-301	Miscellaneous Operations: emissions shall not exceed 15 lb/day and 300 ppm total carbon on a dry basis	Y	
BAAQMD Condition # 19528			
Part 1	Throughput limit (basis: Regulation 2-1-234.3, Regulation 2-1-403 Regulation 2-6-503)	Y	

Table IV - R
Source-specific Applicable Requirements
S846-NO. 3 HDS COOLING TOWER,
S976-NO. 5 GAS PLANT COOLING TOWER, S977-CRUDE UNIT COOLING TOWER
S978-FOUL WATER STRIPPER COOLING TOWER,
S979-NO. 2 FEED PREP COOLING TOWER, S980-HYDROCRACKER COOLING TOWER
S981-NO. 1 HDS COOLING TOWER,
S983-ALKY AND NO. 2 REFORMER COOLING TOWER
S985-NO. 1 GAS PLANT COOLING TOWER, S987-NO. 50 UNIT COOLING TOWER
S988-NO. 3 REFORMER COOLING TOWER

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

IV. Source-specific Applicable Requirements

Table IV - R
Source-specific Applicable Requirements
S846-NO. 3 HDS COOLING TOWER,
S976-NO. 5 GAS PLANT COOLING TOWER, S977-CRUDE UNIT COOLING TOWER
S978-FOUL WATER STRIPPER COOLING TOWER,
S979-NO. 2 FEED PREP COOLING TOWER, S980-HYDROCRACKER COOLING TOWER
S981-NO. 1 HDS COOLING TOWER,
S983-ALKY AND NO. 2 REFORMER COOLING TOWER
S985-NO. 1 GAS PLANT COOLING TOWER, S987-NO. 50 UNIT COOLING TOWER
S988-NO. 3 REFORMER COOLING TOWER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Condition # 19528			
Part 1	Throughput limit (basis: Regulation 2-1-234.3, Regulation 2-1-403 Regulation 2-6-503)	Y	

Table IV - Ra
Source-specific Applicable Requirements
S975-NO. 4 GAS PLANT COOLING TOWER, AND S982-NO. 2 HDS COOLING TOWER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann Number 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Condition # 18435			
Part 1	Water Recirculation rate	Y	
Part 2	Source test water rate	Y	
Part 3	Test once a month	Y	~~June 1, 2004~~

IV. Source-specific Applicable Requirements

Table IV - Ra
Source-specific Applicable Requirements
S975-NO. 4 GAS PLANT COOLING TOWER, AND S982-NO. 2 HDS COOLING TOWER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Condition # 19199			
Part D1 (S975)	Water recirculation rate	Y	
Part D2 (S975)	Measure maximum cooling water recirculation rate	Y	
Part D3 (S975)	Dissolved solids content	Y	
Part D4 (S975)	Analysis dissolved solids content quarterly	Y	
Part D5 (S975)	POC concentration	Y	
Part D6 (S975)	Sample fregquency	Y	
Part D7 (S975)	District shall approve sample point	Y	
Part D8 (S975)	Record keeping	Y	
Part E1 (S982)	Water recirculation rate	Y	
Part E2 (S982)	Measure maximum cooling water recirculation rate	Y	
Part E3 (S982)	Dissolved solids content	Y	
Part E4 (S982)	Analysis dissolved solids content quarterly	Y	
Part E5 (S982)	POC concentration	Y	
Part E6 (S982)	Sample fregquency	Y	
Part E7 (S982)	District shall approve sample point	Y	
Part E8 (S982)	Record keeping	Y	

IV. Source-specific Applicable Requirements

Table IV - Ra
Source-specific Applicable Requirements
S975-NO. 4 GAS PLANT COOLING TOWER, AND S982-NO. 2 HDS COOLING TOWER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Condition # 19528			
Part 1	Throughput limit (basis: Regulation 2-1-234.3, Regulation 2-1-403 Regulation 2-6-503)	Y	

Table IV – S
Source-specific Applicable Requirements
S848-FCCU: MEROX UNIT, S850-NO. 3 HDS UNIT, S1020-NO. 3 UOP REFORMER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 10	**Organic Compound – Process Vessel Depressurization (1/21/2004)**		
8-10-301	Depressurization Control Options	N	
8-10-302	Opening of Process Vessels	N	
8-10-302.1	organic compounds cannot exceed 10,000 ppm (methane) prior to release to atmosphere	N	
8-10-302.2	Organic compound concentration of a refinery process vessel may exceed 10,000 ppm prior to release to atmosphere provided total number of such vessels during 5-year period does not exceed 10%	N	
8-10-401	Turnaround Records. Annual report due February 1 of each year with initial report of process vessels due 4/1/2004.	N	
8-10-501	Monitoring prior to and during process vessel opening	Y	
8-10-502	Concentration measurement using EPA Method 21	Y	
8-10-503	Recordkeeping	N	
8-10-601	Monitoring Procedures	N	
SIP Regulation 8, Rule 10	**Organic Compounds – Process Vessel Depressurization (7/20/83)**		
8-10-301	Process Vessel Depressurizing	Y	

IV. Source-specific Applicable Requirements

Table IV – S
Source-specific Applicable Requirements
S848-FCCU: MEROX UNIT, S850-NO. 3 HDS UNIT, S1020-NO. 3 UOP REFORMER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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	Recordkeeping	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	
The NESHAPS 40 CFR 63 Subpart UUU applicable requirements apply only to S-1020 No 3 UOP Reformer.			
NESHAPS Title 40 Part 63 Subpart UUU	**Emission Standards for Hazardous Air Pollutants for Petroleum Refineries: Catalytic Cracking Units, Catalytic Reforming Units, and Sulfur Recovery Units (4/11/2002)**		
63.1562(f)	part does not apply to:	Y	
63.1562(f)(5)	tion vent used during unit depressuring and purging, when vent is routed to fuel gas system	Y	
63.1567	Requirements for Inorganic HAP Emissions from Catalytic Reforming Units	Y	
63.1567(a)	Emission Limitations and Work Practice Standards	Y	
63.1567(a)(1)	Emission imitation options during coke burn-off and catalyst rejuvenation:	Y	
63.1567(a)(1)(ii)	Emission Limitations during coke burn-off and catalyst rejuvenation for existing cyclic or continuous catalytic reforming unit – HCl concentration limit: Reduce uncontrolled HCl emissions to a concentration of 10 ppmvd corrected to 3%O_2 (Table 22 Option 2)	Y	
63.1567(a)(2)	Operating limits for wet scrubber: Daily average pH of scrubbing liquid and average liquid-to-gas ratio exiting wet scrubber during coke burn-off and catalyst rejuvenation must not fall below the limit established during performance test (Table 23 Item 1)	Y	
63.1567(a)(3)	Prepare Operation, Maintenance, and Monitoring Plan and operate in compliance with the plan	Y	
63.1567(b)	Initial Compliance Demonstration with emission limitations and work practice standards	Y	

IV. Source-specific Applicable Requirements

Table IV – S
Source-specific Applicable Requirements
S848-FCCU: MEROX UNIT, S850-NO. 3 HDS UNIT, S1020-NO. 3 UOP REFORMER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.1567(b)(1)	Demonstrate initial compliance for wet scrubber as control device: Install continuous parameter monitoring systems to measure and record pH of scrubbing liquid and liquid and gas flow rates to wet scrubber (Table 24, Item 1)	Y	
63.1567(b)(2)	Demonstrate initial compliance withperformance test for concentration standard: measure HCl concentration at the outlet of the scrubber (Table 25, Item 1)	Y	
63.1567(b)(3)	Demonstrate initial compliance with performance test for concentration standard: Establish operating limits for wet scrubber using continuous parameter monitoring systems in accordance with Table 25 as listed: pH level: (Table 25, Item 2.a.i) Liquid-to-gas ratio: (Table 25, Item 2.b.i)	Y	
63.1567(b)(5)	Demonstrate initial compliance with emission limitation if average HCl emissions during performance test using Method 26 are <= 10 ppmvd corrected to 3% O2. (Table 26, Option 2)	Y	
63.1567(b)(6)	Demonstrate initial compliance with work practice standard by submitting Operation, Maintenance, and Monitoring Plan	Y	
63.1567(b)(7)	Submit Notice of Initial Compliance Status containing results of initial compliance demonstration	Y	
63.1567(c)	Continuous compliance demonstration with emission limitations and work practice standards	Y	
63.1567(c)(1)	Demonstrate continuous compliance with emission limitation: maintain HCl concentration <= 10 ppmvd corrected to 3% O2 (Table 27, Item 2) and collect hourly and daily average pH monitoring data and hourly average gas flow rate and scrubbing liquid flow rate monitoring data and determine and record hourly average liquid-to-gas ratio, and maintain pH and liquid-to-gas ratio above the operating limist established during performance test (Table 28, Items 1.a and 1.b)	Y	
63.1567(c)(2)	Demonstrate continuous compliance with work practice standard by maintaining records to document conformance with the Operation, Maintenance, and Monitoring Plan	Y	
63.1570	General Compliance Requirements	Y	
63.1570(a)	Operate in compliance with non-opacity standards at all times except during periods of startup, shutdown, and malfunction, as specified in 63.6(f)(1)	Y	

IV. Source-specific Applicable Requirements

Table IV – S
Source-specific Applicable Requirements
S848-FCCU: MEROX UNIT, S850-NO. 3 HDS UNIT, S1020-NO. 3 UOP REFORMER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.1570(c)	Operate and maintain source including pollution control and monitoring equipment in accordance with 63.6(e)(1).	Y	
63.1570(d)	Develop and implement startup, shutdown, and malfunction plan (SSMP) in accordance with 63.6(e)(3)	Y	
63.1570(e)	Operate in accordance with SSMP during periods of startup, shutdown, and malfunction	Y	
63.1570(f)	Report deviations from compliance with this subpart according to the requirements of 63.1575	Y	
63.1570(g)	Deviations that occur during startup, shutdown, or malfunction are not violations if operating in accordance with SSMP	Y	
63.1571	Performance Tests	Y	
63.1571(a)	Conduct Performance Test and submit results no later than 150 days after compliance date	Y	
63.1571(b)	Requirements for Performance Tests	Y	
63.1571(b)(1)	Conduct performance tests in accordance with the requirements of 63.7(e)(1)	Y	
63.1571(b)(2)	Except for opacity and visual emissions observations, conduct three separate test runs of at least an hour for each performance test	Y	
63.1571(b)(4)	Performance tests not conducted during periods of startup, shutdown, or malfunction	Y	
63.1571(b)(5)	Arithmetic average of emission rates	Y	
63.1571(d)	Adjustment for measured values	Y	
63.1571(d)(4)	Adjust process or control device measured values when establishing operating limit (optional)	Y	
63.1571(e)	Changes to Operating limits (optional)	Y	
63.1572	Monitoring installation, operation, and maintenance requirements	Y	
63.1572(c)	Continuous parameter monitoring system (CPMS) requirements	Y	
63.1572(c)(1)	Follow manufacturer's specifications to install, operate, and maintain continuous parameter monitoring systems	Y	
63.1572(c)(2)	CPMS must complete a minimum of one cycle for each 15-minute period; four cycles of operation for a valid hour of data	Y	
63.1572(c)(3)	Valid hourly data required at least 75% of process operating hours	Y	
63.1572(c)(4)	CPMS must determine and record hourly and daily average of all recorded readings	Y	

IV. Source-specific Applicable Requirements

Table IV – S
Source-specific Applicable Requirements
S848-FCCU: MEROX UNIT, S850-NO. 3 HDS UNIT, S1020-NO. 3 UOP REFORMER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.1572(c)(5)	CPMS must record results of inspection, calibration, and validation check	Y	
63.1572(d)	Data monitoring and collection requirements	Y	
63.1572(d)(1)	Conduct monitoring at all times source is operating except for monitoring malfunctions, repairs, and QA/QC activities	Y	
63.1572(d)(2)	Do not use data recorded during monitoring malfunctions, repairs, and QA/QC activities	Y	
63.1573	Monitoring Alternatives	Y	
63.1573(c)	Automated data compression system (optional)	Y	
63.1573(d)	Monitoring for alternative parameters (optional)	Y	
63.1573(e)	Alternative Monitoring Requests (optional)	Y	
63.1574	Notification Requirements	Y	
63.1574(a)	Notifications Required by Subpart A	Y	
63.1574(a)(2)	Submit notification of intent to conduct performance test 30 days before scheduled (instead of 60 days)	Y	
63.1574(a)(3)	Notification of Compliance Status	Y	
63.1574(a)(3)(ii)	Submit Notification of Compliance Status for initial compliance demonstration that includes a performance test, no later than 150 days after source compliance date	Y	
63.1574(d)	Information to be Submitted in Notice of Compliance Status (Table 42): identification of affected sources and emission points (Item 1); initial compliance demonstration (Item 2); continuous compliance (Item 3)	Y	
63.1574(f)	Requirement to prepare Operation, Maintenance, and Monitoring Plan	Y	
63.1574(f)(1)	Submit plan to permitting authority for review and approval along with NOCS. Include duty to prepare and implement plan into Part 70 or 71 permit.	Y	
63.1574(f)(2)	Minimum contents of Operation, Maintenance, and Monitoring Plan	Y	
63.1575	Reports	Y	
63.1575(a)	Required reports: Statement that there were no deviations or report including information in 1575(d) or (e) (Table 43, Item 1)	Y	
63.1575(b)	Specified semiannual report submittal dates	Y	
63.1575(c)	Information required in compliance report	Y	
63.1575(d)	Information required for deviations from emission limitations and work practice standards where CEMS or COMS **is not** used to comply with emission limitation or work practice standard	Y	

IV. Source-specific Applicable Requirements

Table IV – S
Source-specific Applicable Requirements
S848-FCCU: MEROX UNIT, S850-NO. 3 HDS UNIT, S1020-NO. 3 UOP REFORMER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.1575(f)	Additional information for compliance reports	Y	
63.1575(g)	Submittal of reports required by other regulations in place of or as part of compliance report if they contain the required information	Y	
63.1575(h)	Reporting requirements for startups, shutdowns, and malfunctions	Y	
63.1576	Recordkeeping	Y	
63.1576(a)	Required Records – General	Y	
63.1576(d)	Records required by Tables 20, 21, 27, and 28 of Subpart UUU for catalytic reforming units	Y	
63.1576(e)	Maintain copy of Operation, Maintenance, and Monitoring Plan and records to show continuous compliance with plan	Y	
63.1576(f)	Records of changes that affect emission control system performance	Y	
63.1576(g)	Records in a form suitable and readily available for review	Y	
63.1576(h)	Maintain records for 5 years	Y	
63.1576(i)	Records onsite for two years; may be maintained offsite for remaining 3 years	Y	
BAAQMD Condition # 4357			
Part 1	Definitions	Y	
Part 2	Emissions (basis: cumulative increase, bubble, BACT)	Y	
Part 3A	Emission Reductions (basis: cumulative increase, bubble)	Y	
Part 3B	Emission Reductions (basis: cumulative increase, bubble)	Y	
Part 3C	Emission Reductions (basis: cumulative increase, bubble)	Y	
Part 3D	Emission Reductions (basis: cumulative increase, bubble)	Y	
Part 3E	Emission Reductions (basis: cumulative increase, bubble, offsets)	Y	
Part 3F	Emission Reductions (basis: cumulative increase, bubble, offsets)	Y	
Part 4A	Monitoring and Source Testing (toxics, NSPS)	Y	
Part 4D	Monitoring and Source Testing (basis: cumulative increase, offsets)	Y	
Part 5A	Reporting and Record Keeping (basis: cumulative increase, offsets)	Y	
Part 5B	Reporting and Record Keeping (basis: cumulative increase, offsets)	Y	
Part 5C	Reporting and Record Keeping (basis: cumulative increase, offsets)	Y	
Part 6A	Process Unit Design (basis: cumulative increase)	Y	
Part 6B	Process Unit Design	Y	
Part 8	Hydrocarbon Controls	Y	

IV. Source-specific Applicable Requirements

Table IV – S
Source-specific Applicable Requirements
S848-FCCU: MEROX UNIT, S850-NO. 3 HDS UNIT, S1020-NO. 3 UOP REFORMER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 9	Sulfur Recovery Facilities	Y	
Part 10	Access (basis: cumulative increase, offsets, BACT)	Y	
Part 11	Enforcement (basis: cumulative increase, offsets, BACT)	Y	
Part 12	Miscellaneous (basis: cumulative increase, offsets)	Y	
Part 13	Severability (basis: cumulative increase, offsets, BACT)	Y	
Part 14	Environmental Management Plan (basis: cumulative increase, offsets, BACT)	Y	
BAAQMD Condition # 19528			
Part 1	Throughput limit (basis: Regulation 2-1-234.3, Regulation 2-1-403 Regulation 2-6-503)	Y	

Table IV – T
Source-specific Applicable Requirements
S851–AMMONIA RECOVERY UNIT

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 18	See Tables IV-X and IV-J for fugitives requirements	**Y**	
BAAQMD Condition # 19528			
Part 1	Throughput limit (basis: Regulation 2-1-234.3, Regulation 2-1-403 Regulation 2-6-503)	Y	

IV. Source-specific Applicable Requirements

Table IV - U
Source-specific Applicable Requirements
S854-EAST AIR FLARE, S992-EMERGENCY FLARE, S1013-AMMONIA PLANT FLARE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann Number 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6.401	Appearance of Emissions	Y	
BAAQMD Regulation 10	**Standards of Performance for New Stationary Sources (2/16/2000)**	Y	
BAAQMD Regulation 12-11	**Flare Monitoring at Petroleum Refineries (06/04/03)**		
12-11-401	Flare Data Reporting Requirements	N	
12-11-402	Flow Verification Report	N	6/4/04
12-11-501	Vent Gas Flow Monitoring	N	12/4/04
12-11-502	Vent Gas Composition Monitoring	N	
12-11-502.3	Vent Gas Composition Monitoring	N	03/4/04
12-11-503	Pilot Monitoring	N	
12-11-504	Pilot and Purge Gas Monitoring	N	
12-11-505	Recordkeeping Requirements	N	
12-11-506	General Monitoring Requirements	N	
12-11-506.1	Periods of Inoperation of Vent Gas Monitoring	N	09/4/04
12-11-507	Video Monitoring	N	12/4/03
40 CFR Part 60 Subpart A	**New Source Performance Standards – General Provisions (12/23/71)**	**Y**	
60.1	Applicability	Y	
60.2	Definitions	Y	
60.3	Units and abbreviations	Y	
60.4	Address	Y	
60.5	Determination of construction or modification	Y	
60.6	Review of plans	Y	
60.7	Notification and record keeping	Y	
60.8	Performance tests	Y	
60.9	Availability of information	Y	
60.10	State authority	Y	

IV. Source-specific Applicable Requirements

Table IV - U
Source-specific Applicable Requirements
S854-EAST AIR FLARE, S992-EMERGENCY FLARE, S1013-AMMONIA PLANT FLARE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.11	Compliance with standards and maintenance requirements	Y	
60.11(a)	Compliance determined by performance tests	Y	
60.11(d)	Control devices operated using good air pollution control practice	Y	
60.12	Circumstances	Y	
60.13	Monitoring requirements	Y	
60.13(e)	Continuous monitoring system minimum frequency of operation	Y	
60.13(e)(2)	Continuous monitoring system minimum frequency of operation for non-opacity measuring devices	Y	
60.14	Modifications	Y	
60.15	Reconstruction	Y	
60.16	Priority list	Y	
60.17	Incorporation by reference	Y	
60.19	General notification and reporting requirements	Y	
NSPS Title 40 Part 60 Subpart J	**NSPS Subpart J for Petroleum Refineries (08/17/1989**		
40 CFR 60.18(c)(1)	Limitation on visible emissions	Y	
40 CFR 60.18(c)(2)	Requirement for a flame to be present at all times	Y	
40 CFR 60.18(c)(2)	Requirement to meet heat content specification or maximum tip velocity specification	Y	
40 CFR 60.100(a)	Applicability: Claus Sulfur Recovery Plants, FCCU Catlayst Regenerators at Refineries and Fuel Gas Combustion Devices and Fuel Gas Combustion Devices of Refineries	Y	
40 CFR 60.100(b)	Applicability: Constructed/modified after 6/11/1973	Y	
NSPS 40 CFR 60 Subpart J	**Standards of Performance for Petroleum Refineries (7/1/00)**		
60.104	Standards for Sulfur Oxides: Compliance Schedule	Y	
60.104(a)(1)	Fuel gas H2S concentration limited to 230 mg/dscm (0.10 gr/dscf) except for gas burned as a result of process upset or gas burned at flares from relief valve leaks or other emergency malfunctions	Y	
40 CFR Part 63 Subpart A	**General Provisions**	**Y**	06/01/03
63.11	Control device requirements	Y	

IV. Source-specific Applicable Requirements

Table IV - U
Source-specific Applicable Requirements
S854-EAST AIR FLARE, S992-EMERGENCY FLARE, S1013-AMMONIA PLANT FLARE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Condition # 19528			
Part 1	Throughput limit (basis: Regulation 2-1-234.3, Regulation 2-1-403 Regulation 2-6-503)	Y	6/1/04
Part 11B	Definition of "Flaring Event" and inspection frequency requirements (basis: Regulation 2-6-409.2)	Y	1/1/05
Part 11C	Inpsection procedure for "Flaring Event" (Regluation 6-301; 2-1-403)	Y	1/1/05
Part 11D	Requirements for "Visual Inpsection" of a flaring event (Regluation 2-6-403)	Y	1/1/05
Part 11E	Recordkeeping of "Flaring Events" (Regluation 2-6-501; 2-6-409.2)	Y	1/1/05
Part 11F	Conditions for Monitoring Smoking Flares	Y	1/1/05

Table IV – V
Source-specific Applicable Requirements
S825-DEA REGENERATOR, S856–SPARE DEA STRIPPER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 2	**Organic Compounds, Miscellaneous Operations (6/15/94)**	**Y**	
8-2-301	Miscellaneous Operations: emissions shall not exceed 15 lb/day and 300 ppm total carbon on a dry basis	Y	
BAAQMD Condition # 19528			
Part 1	Throughput limit (basis: Regulation 2-1-234.3, Regulation 2-1-403 Regulation 2-6-503)	Y	

IV. Source-specific Applicable Requirements

Table IV – W
Source-specific Applicable Requirements
S858-COLD CLEANER, S860-COLD CLEANER, S861-COLD CLEANER, S1455-COLD CLEANER, S1456-COLD CLEANER, S1457-COLD CLEANER, S1458-COLD CLEANER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 1	**Organic Compounds – General Provisions (6/15/94)**		
8-1-320	Surface Preparation, Clean-up, Coating, Ink, Paint Removal	Y	
8-1-321	Closed Containers for Spent or Fresh Organic Solvents	Y	
BAAQMD Regulation 8, Rule 16	**Organic Compounds – Solvent Cleaning Operations (9/16/98)**		
8-16-118	Limited Exemption, Compounds of Low Volatility	N	
8-16-303	Cold Cleaner Requirements	Y/N	
8-16-303.1	General Operating Requirements	Y/N	
8-16-303.1.2	Leak Repair Requirement	Y	
8-16-303.1.3	Solvent Storage or Disposal – Evaporation Prevention	Y	
8-16-303.1.4	Waste Solvent Disposal	N	
8-16-303.1.4(a)	Covered Containers for Waste Solvent Awaiting Pick-up	N	
8-16-303.1.4(b)	On-site Waste Treatment	N	
8-16-303.1.5	Solvent Evaporation Minimization Devices shall not be Removed	N	
8-16-303.1.6	Solvent Spray Requirements	N	
8-16-303.2	Cold Cleaner Operating Requirements	Y	
8-16-303.2.1	Solvent shall be Drained from Cleaned Parts	Y	
8-16-303.2.2	Solvent Agitation	Y	
8-16-303.2.3	Solvent Cleaning of Porous or Absorbent Materials is Prohibited	Y	
8-16-303.3	Cold Cleaner General Equipment Requirements	Y	
8-16-303.3.1	Container	Y	
8-16-303.3.2	Solvent Evaporation Reduction for Idle Equipment	N	
8-16-303.3.3	Used Solvent Returned to Container	N	
8-16-303.3.4	Label Stating Operating Requirements	Y	
8-16-303.4	Cold Cleaner Requirements	N	
8-16-303.4.1	Freeboard ratio requirement	N	

IV. Source-specific Applicable Requirements

Table IV – W
Source-specific Applicable Requirements
S858-COLD CLEANER, S860-COLD CLEANER, S861-COLD CLEANER, S1455-COLD CLEANER, S1456-COLD CLEANER, S1457-COLD CLEANER, S1458-COLD CLEANER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-16-501	Solvent Records	N	
8-16-501.2	Facility-wide Annual Solvent Usage Records	N	
8-16-501.3	Annual Records of Type and Amount of Solvent Used for Wipe Cleaning	N	
8-16-501.4	Monthly Records of Type and Amount of Solvents for Solvent Vapor Dryers and Enclosed Solvent Cleaners	N	
8-16-501.5	Records Retained for Previous 24 Month Period	N	
SIP Regulation 8, Rule 16	**Organic Compounds – Solvent Cleaning Operations (6/15/94)**		
8-16-303.1.4	Waste Solvent Disposal	Y	
8-16-303.1.4(a)	Covered Containers for Waste Solvent Awaiting Pick-up	Y	
8-16-303.1.4(b)	On-site Waste Treatment	Y	
8-16-303.1.5	Solvent Evaporation Minimization Devices shall not be Removed	Y	
8-16-303.1.6	Solvent Spray Requirements	Y	
8-16-303.3.2	Solvent Evaporation Reduction for Idle Equipment	Y	
8-16-303.3.3	Used Solvent Returned to Container	Y	
8-16-303.4	Cold Cleaner Requirements	Y	
8-16-303.4.1	Freeboard ratio requirement	Y	
8-16-501	Solvent Records	Y	
8-16-501.2	Facility-wide Quarterly Solvent Usage Records	Y	
BAAQMD Condition # 16729			
Part 1	Annual solvent usage limitation (basis: cumulative increase, toxics)	Y	
Part 2	Limitations on the use of materials other than Safety Kleen 105 Solvent (basis: cumulative increase, toxics)	Y	
Part 3	Record keeping (basis: cumulative increase, toxics)	Y	
BAAQMD Condition # 19528			

IV. Source-specific Applicable Requirements

Table IV – W
Source-specific Applicable Requirements
S858-COLD CLEANER, S860-COLD CLEANER, S861-COLD CLEANER, S1455-COLD CLEANER, S1456-COLD CLEANER, S1457-COLD CLEANER, S1458-COLD CLEANER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 1	Throughput limit (basis: Regulation 2-1-234.3, Regulation 2-1-403 Regulation 2-6-503)	Y	

Table IV – Wa
Source-specific Applicable Requirements
S863-LPG VAPORIZER SYSTEM

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Condition # 799			
Part 1	Prohibition against simultaneous operation of S-863 and the LPG vaporizer located at #5 gas plant. (basis: cumulative increase)	Y	
Part 2	Limitation on the use of flare to abate S863 only in the event of an emergency. (basis: cumulative increase)	Y	
BAAQMD Condition # 19528			
Part 1	Throughput limit (basis: Regulation 2-1-234.3, Regulation 2-1-403 Regulation 2-6-503)	Y	

IV. Source-specific Applicable Requirements

Table IV – X
Source-specific Applicable Requirements
S944-NORTH STEAM FLARE
S945-SOUTH STEAM FLARE, S1012-WEST AIR FLARE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann Number 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Regulation 10	**Standards of Performance for New Stationary Sources (2/16/2000)**	Y	
BAAQMD Regulation 12-11	**Flare Monitoring at Petroleum Refineries (06/04/03)**		
12-11-401	Flare Data Reporting Requirements	N	
12-11-402	Flow Verification Report	N	6/4/04
12-11-501	Vent Gas Flow Monitoring	N	12/4/04
12-11-502	Vent Gas Composition Monitoring	N	
12-11-502.3	Vent Gas Composition Monitoring	N	03/4/04
12-11-503	Pilot Monitoring	N	
12-11-504	Pilot and Purge Gas Monitoring	N	
12-11-505	Recordkeeping Requirements	N	
12-11-506	General Monitoring Requirements	N	
12-11-506.1	Periods of Inoperation of Vent Gas Monitoring	N	09/4/04
12-11-507	Video Monitoring	N	
BAAQMD Condition # 19528			
Part 1	Throughput limit (basis: Regulation 2-1-234.3, Regulation 2-1-403 Regulation 2-6-503)	Y	6/1/04
Part 11B	Definition of "Flaring Event" and inspection frequency requirements (basis: Regulation 2-6-409.2)	Y	1/1/05
Part 11C	Inpsection procedure for "Flaring Event" (Regluation 6-301; 2-1-403)	Y	1/1/05

IV. Source-specific Applicable Requirements

Table IV – X
Source-specific Applicable Requirements
S944-NORTH STEAM FLARE
S945-SOUTH STEAM FLARE, S1012-WEST AIR FLARE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 11D	Requirements for "Visual Inpsection" of a flaring event (Regluation 2-6-403)	Y	1/1/05
Part 11E	Recordkeeping of "Flaring Events" (Regluation 2-6-501; 2-6-409.2)	Y	1/1/05

Table IV – Xa
Source-specific Applicable Requirements
S943-TANK 691 SAFETY FLARE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann Number 1 Limitation	Y	
6-305	Visible Particles	Y	
6-401	Appearance of Emissions	Y	
6-310	**Particulate Weight Limitation**	Y	
BAAQMD Regulation 10	**Standards of Performance for New Stationary Sources (2/16/2000)**	Y	
BAAQMD Regulation 12-11	**Flare Monitoring at Petroleum Refineries (06/04/03)**		
12-11-110	Exemption, Organic Liquid Storage and Distribution	N	

IV. Source-specific Applicable Requirements

Table IV – Xb
Source-specific Applicable Requirements
A39 API THERMAL OXIDIZER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann Number 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Regulation 8	**Wastewater (Oil-Water) Separators (6/15/94)**		
8-8-302	Wastewater separators larger than or equal to 18.9 liters per second (300 gal/min)		
8-8-302.3	Vapor-tight fixed cover with organic compound vapor recovery with collection and destruction of at least 95% by weight.	Y	
8-8-307	Air flotation unit greater than 25.2 liters per second (400 gal/min) with		
8-8-307.1	Solid, gasketed, fixed cover enclosing the unit. Visual inspections. OR	Y	
8-8-307.2	Organic vapor recovery system with a combined collection and destruction efficiency of at least 70% by weight.	Y	
40 CFR Part 60 Subpart A	**General Provisions**	**Y**	
60.18	General control device requirements	Y	
NSPS Title 40 Part 60 Subpart J	**NSPS Subpart J for Petroleum Refineries (08/17/1989)**		
40 CFR 60.18(c) (1)	Limitation on visible emissions	Y	
40 CFR 60.18(c) (2)	Requirement for a flame to be present at all times	Y	
40 CFR 60.18(c) (2)	Requirement to meet heat content specification or maximum tip velocity specification	Y	
40 CFR 60.100(a)	Applicability: Claus Sulfur Recovery Plants, FCCU Catlayst Regenerators at Refineries and Fuel Gas Combustion Devices and Fuel Gas Combustion Devices of Refineries	Y	
40 CFR 60.100(b)	Applicability: Constructed/modified after 6/11/1973	Y	

IV. Source-specific Applicable Requirements

Table IV – Xb
Source-specific Applicable Requirements
A39 API THERMAL OXIDIZER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
NSPS 40 CFR 60 Subpart J	**Standards of Performance for Petroleum Refineries (7/1/00)**		
60.104	Standards for Sulfur Oxides: Compliance Schedule	Y	
60.104(a)(1)	Fuel gas H2S concentration limited to 230 mg/dscm (0.10 gr/dscf) except for gas burned as a result of process upset or gas burned at flares from relief valve leaks or other emergency malfunctions	Y	
40 CFR Part 63 Subpart A	**General Provisions**	**Y**	06/01/03
63.11	Control device requirements	Y	
BAAQMD Condition #4587			
Part 5	Non-methane hydrocarbon emissions from A-39 shall not exceed 10 ppm on a rolling one hour average basis.		
Part 7	H2S emissions from A-39 shall not exceed 1 ppm.		

Table IV – Xc
Source-specific Applicable Requirements
A40 TRACT 6 ELECTRIC THERMAL OXIDIZER, A42 HYDROCRACKER ELECTRIC THERMAL OXIDIZER, A43 TRACT 3 ELECTRIC THERMAL OXIDIZER

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

IV. Source-specific Applicable Requirements

Table IV – Xc
Source-specific Applicable Requirements
A40 TRACT 6 ELECTRIC THERMAL OXIDIZER, A42 HYDROCRACKER ELECTRIC THERMAL OXIDIZER, A43 TRACT 3 ELECTRIC THERMAL OXIDIZER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 60 Subpart A			
60.18	General control device requirements	Y	
NSPS Title 40 Part 60 Subpart J	**NSPS Subpart J for Petroleum Refineries (08/17/1989)**		
40 CFR 60.18(c) (1)	Limitation on visible emissions	Y	
40 CFR 60.18(c) (2)	Requirement for a flame to be present at all times	Y	
40 CFR 60.18(c) (2)	Requirement to meet heat content specification or maximum tip velocity specification	Y	
40 CFR 60.100(a)	Applicability: Claus Sulfur Recovery Plants, FCCU Catlayst Regenerators at Refineries and Fuel Gas Combustion Devices and Fuel Gas Combustion Devices of Refineries	Y	
40 CFR 60.100(b)	Applicability: Constructed/modified after 6/11/1973	Y	
NSPS 40 CFR 60 Subpart J	**Standards of Performance for Petroleum Refineries (7/1/00)**		
60.104	Standards for Sulfur Oxides: Compliance Schedule	Y	
60.104(a)(1)	Fuel gas H2S concentration limited to 230 mg/dscm (0.10 gr/dscf) except for gas burned as a result of process upset or gas burned at flares from relief valve leaks or other emergency malfunctions	Y	
40 CFR Part 63 Subpart A	**General Provisions**	**Y**	06/01/03
63.11	Control device requirements	Y	
BAAQMD Condition #11609			
Part A1	A-40 only: Minimum VOC destruction efficiency of 95% by weight, minimum 0.5 second residence time, and minimum operating temperatue of 1400F		

IV. Source-specific Applicable Requirements

Table IV – Xc
Source-specific Applicable Requirements
A40 TRACT 6 ELECTRIC THERMAL OXIDIZER, A42 HYDROCRACKER ELECTRIC THERMAL OXIDIZER, A43 TRACT 3 ELECTRIC THERMAL OXIDIZER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part C1	A-42 only: Minimum VOC destruction efficiency of 95% by weight, minimum 0.5 second residenct time, and minimum operating temperature of 1400F.		
Part D1	A-43 only: Minimum VOC destruction efficiency of 95% by weight, minimum 0.5 second residenct time, and minimum operating temperature of 1400F.		

Table IV - Xd
Source-specific Applicable Requirements
A1402 Scot Tail Gas Unit/Incinerator

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann Number 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6.401	Appearance of Emissions	Y	
40 CFR Part 60 Subpart A	**General Provisions**	**Y**	
60.18	General control device requirements	Y	
NSPS Title 40 Part 60 Subpart J	**NSPS Subpart J for Petroleum Refineries (08/17/1989)**		
40 CFR 60.18(c)(1)	Limitation on visible emissions	Y	
40 CFR 60.18(c)(2)	Requirement for a flame to be present at all times	Y	
40 CFR 60.18(c)(2)	Requirement to meet heat content specification or maximum tip velocity specification	Y	

IV. Source-specific Applicable Requirements

Table IV - Xd
Source-specific Applicable Requirements
A1402 Scot Tail Gas Unit/Incinerator

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
40 CFR 60.100(a)	Applicability: Claus Sulfur Recovery Plants, FCCU Catlayst Regenerators at Refineries and Fuel Gas Combustion Devices and Fuel Gas Combustion Devices of Refineries	Y	
40 CFR 60.100(b)	Applicability: Constructed/modified after 6/11/1973	Y	
NSPS 40 CFR 60 Subpart J	**Standards of Performance for Petroleum Refineries (7/1/00)**		
60.104	Standards for Sulfur Oxides: Compliance Schedule	Y	
60.104(a)(1)	Fuel gas H2S concentration limited to 230 mg/dscm (0.10 gr/dscf) except for gas burned as a result of process upset or gas burned at flares from relief valve leaks or other emergency malfunctions	Y	
40 CFR Part 63 Subpart A	**General Provisions**	**Y**	06/01/03
63.11	Control device requirements	Y	

Table IV – Y
Source-specific Applicable Requirements
S901- NO. 7 BOILER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 1	**General Provisions and Definitions (11/15/00)**		
1-520	Continuous Emission Monitoring	Y	
1-520.6	Monitors pursuant to Regulation 2-1-403	Y	
1-521	Monitoring May Be Required	Y	
1-522	Continuous Emission Monitoring and Recordkeeping Procedures	N	
1-602	Area and Continuous Monitoring Requirements	N	
SIP Regulation 1	**PROVISIONS NO LONGER IN CURRENT RULE General Provisions and Definitions (6/28/99)**		
1-522	Continuous Emission Monitoring and Recordkeeping Procedures	Y	

IV. Source-specific Applicable Requirements

Table IV – Y
Source-specific Applicable Requirements
S901- NO. 7 BOILER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann No. 1 Limitation	Y	
6-302	Opacity Limitation	Y	
6-304	Tube Cleaning	Y	
6-305	Visible Particles	Y	
6-310	Particle Weight Limitation	Y	
6-310.3	Heat transfer operations	Y	
BAAQMD Regulation 8, Rule 18	**Fugitives Monitoring**	Y	
BAAQMD Manual of Procedures, Volume V	**Continuous Emission Monitoring Policy and Procedures (1/20/82)**	Y	
BAAQMD Regulation 9, Rule 1	**Inorganic Gaseous Pollutants - Sulfur Dioxide (3/15/95; SIP approved 6/8/99)**		
9-1-502	Continuous Emissions Monitoring if required by APCO	Y	
BAAQMD Regulation 9, Rule 10	**Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon Monoxide from Boilers, Steam Generators, and Process Heaters in Petroleum Refineries (1/5/94)**		
9-10-303.1	Federal Interim Facility-wide NOx emission limit for CO Boilers	Y	
9-10-304	NOx emission limit for CO Boilers	N	
9-10-305	CO emission limit	N	
9-10-502	Monitoring	N	
9-10-502.1	CEMS for NOx, CO, and O2	Y	
9-10-502.2	Fuel flowmeters	N	
9-10-504	Recordkeeping	N	
9-10-505	Reporting	N	
SIP Regulation 9, Rule 10	**Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon Monoxide from Boilers, Steam Generators, and Process Heaters in Petroleum Refineries (1/5/94)**		
9-10-502	Monitoring	Y	
BAAQMD			

IV. Source-specific Applicable Requirements

Table IV – Y
Source-specific Applicable Requirements
S901- NO. 7 BOILER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Condition # 4357			
Part 1	Definitions	Y	
Part 2	Emissions (basis: cumulative increase, bubble, BACT)	Y	
Part 3A	Emission Reductions (basis: cumulative increase, bubble)	Y	
Part 3B	Emission Reductions (basis: cumulative increase, bubble)	Y	
Part 3C	Emission Reductions (basis: cumulative increase, bubble)	Y	
Part 3D	Emission Reductions (basis: cumulative increase, bubble)	Y	
Part 3E	Emission Reductions (basis: cumulative increase, bubble, offsets)	Y	
Part 3F	Emission Reductions (basis: cumulative increase, bubble, offsets)	Y	
Part 4A	Monitoring and Source Testing (toxics, NSPS)	Y	
Part 4D	Monitoring and Source Testing (basis: cumulative increase, offsets)	Y	
Part 5A	Reporting and Record Keeping (basis: cumulative increase, offsets)	Y	
Part 5B	Reporting and Record Keeping (basis: cumulative increase, offsets)	Y	
Part 5C	Reporting and Record Keeping (basis: cumulative increase, offsets)	Y	
Part 9	Sulfur Recovery Facilities	Y	
Part 10	Access (basis: cumulative increase, offsets, BACT)	Y	
Part 11	Enforcement (basis: cumulative increase, offsets, BACT)	Y	
Part 12	Miscellaneous (basis: cumulative increase, offsets)	Y	
Part 13	Severability (basis: cumulative increase, offsets, BACT)	Y	
Part 14	Environmental Management Plan (basis: cumulative increase, offsets, BACT)	Y	
BAAQMD Condition # 7397		Y	
Part 1	Limit on Ammonia Injection at A-30 (basis: toxics)	Y	
Part 2	Requirement for Ammonia Flow Meter and Recorder Record Keeping (basis: toxics, cumulative increase, offsets)		
Part 3	Gaseous Fuel Requirement (basis: Cumulative increase)	Y	
BAAQMD Condition # 11433			
Part 1	Requirement for abatement by A-30 Electrostatic Precipitator (basis: cumulative increase, BACT, offsets)	Y	

IV. Source-specific Applicable Requirements

Table IV – Y
Source-specific Applicable Requirements
S901- NO. 7 BOILER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 2	Annual emission limits by pollutant (basis: cumulative increase, BACT, offsets)	Y	
Part 2A	NOx, CO, and SO2 CEM requirement	Y	
Part 2B	Continuous Opacity Monitor (basis: Reg. 6-302)	Y	~~June 1, 2004~~.
Part 3	Requirement for new pressure relief valves to be vented to flare vapor recovery system (basis: cumulative increase, BACT, offsets)	Y	
Part 4	Requirement to monitor and calculate emissions (basis: cumulative increase ,BACT, offsets)	Y	
Part 5	Procedure for development of new emission factors (basis: cumulative increase, offsets)	Y	
Part 6	Record keeping (basis: cumulative increase, offsets, BACT)	Y	
BAAQMD Condition # 19528			
Part 1	Throughput limit (basis: Regulation 2-1-234.3, Regulation 2-1-403 Regulation 2-6-503)	Y	

Table IV – AA
Source-specific Applicable Requirements
S902-FCC START –UP HEATER, S905 NO. 6 BOILER STACK HEATER, S923 COKER AUXIL~~L~~IARY BURNER

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)**		12/31/2010 (S902)
1-520	Continuous Emission Monitoring	Y	
1-520.8	monitors pursuant to Regulation 2-1-403	Y	
1-521	Monitoring May Be Required	Y	
1-522	Continuous Emission Monitoring and Recordkeeping Procedures	N	
1-602	Area and Continuous Monitoring Requirements	N	
SIP Regulation 1	**PROVISIONS NO LONGER IN CURRENT RULE General Provisions and Definitions (6/28/99)**		12/31/2010 (S902)

IV. Source-specific Applicable Requirements

Table IV – AA
Source-specific Applicable Requirements
S902-FCC START –UP HEATER, S905 NO. 6 BOILER STACK HEATER, S923 COKER AUXILLIARY BURNER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
1-522	Continuous Emission Monitoring and Recordkeeping Procedures	Y	
1-522.7	Excesses	Y	
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particle Weight Limitation	Y	
BAAQMD Regulation 10 Subpart A	**NSPS Incorporation by Reference, General Provisions (02/16/2000)**		12/31/2010 (S902)
BAAQMD Regulation 10 Subpart J	**NSPS Incorporation by Reference, Petroleum Refineries (02/16/2000)**		12/31/2010 (S902)
BAAQMD Regulation 9, Rule 1	**Inorganic Gaseous Pollutants - Sulfur Dioxide (3/15/95; SIP approved 6/8/99)**		
9-1-110	Conditional Exemption, Area Monitoring	Y	
NSPS 40 CFR 60 Subpart A	**General Provisions (8/18/2001)**	**Y**	12/31/2010 (S902)
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	
60.11(a)	Compliance with standards and maintenance requirements	Y	
60.11(d)	Good Operating Practice	Y	
60.12	Circumvention	Y	
60.13	Monitoring requirements	Y	
NSPS 40 CFR 60 Subpart J	**Standards of Performance for Petroleum Refineries (10/17/2000)**	**Y**	12/31/2010 (S902)
60.104	Standards for sulfur oxides	Y	
60.104(a)(1)	Limit on hydrogen sulfide content in fuel gas burned in fuel gas combustion devices	Y	
60.105	Monitoring of Emissions and Operations	Y	

IV. Source-specific Applicable Requirements

Table IV – AA
Source-specific Applicable Requirements
S902-FCC START –UP HEATER, S905 NO. 6 BOILER STACK HEATER, S923 COKER AUXILLIARY BURNER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.105(a)	Continuous monitoring system requirements	Y	
60.105(a)(4)	monitoring requirements for H2S (dry basis) in fuel gas prior to combustion (in lieu of separate combustion device exhaust SO2 monitors as required by 60.105(a)(3))	Y	
60.105(e)	Periods of excess emissions for 60.7(c)	Y	
60.105(e)(3)	Excess emissions of sulfur dioxide from fuel gas combustion	Y	
60.105(e)(3)(ii)	excess H2S in fuel gas as measured under 60.105(a)(4)	Y	
60.106	Test Methods and Procedures	Y	
60.106(a)	Performance test requirements	Y	
60.106(e)(1)	Compliance determination for H2S standards for fuel gas combustion devices	Y	
NSPS Title 40 Part 60 Appendix B	**NSPS 40 Part 60 Appendix B (01/12/2004)**		12/31/2010 (S902)
Performance Specification 7	Specifications and Test Procedures for Hydrogen Sulfide Continuous Emission Monitoring Systems in Stationary Sources	Y	
NSPS Title 40 Part 60 Appendix F	**NSPS 40 Part 60 Appendix F (01/12/2004)**		12/31/2010 (S902)
Procedure 1	QA Requirements for Gas Continuous Emission Monitoring Systems	Y	
BAAQMD Condition # 19528			
Part 1	Throughput limit (basis: Regulation 2-1-234.3, Regulation 2-1-403 Regulation 2-6-503)	Y	
BAAQMD Condition # 23562			12/31/2010 (S902)
Part 1	NSPS J applicability and SSM requirements for fuel gas combustion devices. (Basis: NSPS Subparts A and J, EPA Consent Decree paragraphs 12, 117, 118, and 122.)	Y	
Part 2	Exemption from NSPS A and J notification requirements. (Basis: EPA Consent Decree paragraph 120.)	Y	

IV. Source-specific Applicable Requirements

Table IV – AA
Source-specific Applicable Requirements
S902-FCC START –UP HEATER, S905 NO. 6 BOILER STACK HEATER, S923 COKER AUXILLIARY BURNER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 3	Use CEMS or approved AMP to demonstrate compliance with NSPS Subpart J emission limit. (Basis: EPA Consent Decree paragraph 121.)	Y	
Part 4	CEMS accuracy test requirements. (Basis: EPA Consent Decree paragraph 121.)	Y	
BAAQMD Manual of Procedures, Volume V	**Continuous Emission Monitoring Policy and Procedures (1/20/82)**	Y	2010 (S902)

Table IV – AAa
Source-specific Applicable Requirements
S925 NO. 25 FURNACE, S938 NO. 38 FURNACE, S939 NO. 39 FURNACE, S1412 ACID PLANT START-UP 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)**		
1-520	Continuous Emission Monitoring	Y	
1-520.8	monitors pursuant to Regulation 2-1-403	Y	
1-521	Monitoring May Be Required	Y	
1-522	Continuous Emission Monitoring and Recordkeeping Procedures	N	
1-602	Area and Continuous Monitoring Requirements	N	
SIP Regulation 1	**PROVISIONS NO LONGER IN CURRENT RULE General Provisions and Definitions (6/28/99)**		
1-522	Continuous Emission Monitoring and Recordkeeping Procedures	Y	
1-522.7	Excesses	Y	
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particle Weight Limitation	Y	

IV. Source-specific Applicable Requirements

Table IV – AAa
Source-specific Applicable Requirements
S925 NO. 25 FURNACE, S938 NO. 38 FURNACE, S939 NO. 39 FURNACE, S1412 ACID PLANT START-UP HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 9, Rule 1	**Inorganic Gaseous Pollutants - Sulfur Dioxide (3/15/95; SIP approved 6/8/99)**		
BAAQMD Regulation 9, Rule 10	**Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon Monoxide from Boilers, Steam Generators, and Process Heaters in Petroleum Refineries (1/5/94)**		
9-10-111	Limited Exemption, Small Units [applies to S925, S939, S1412]	N	
9-10-112	Limited Exemption, Low Fuel Usage [applies to S938]	N	
9-10-306.1	Small Unit requirements [applies to S925, S938, S939, S1412] (comply with 9-10-306.1 OR 9-10-306.2)	N	
9-10-306.2	Small Unit requirements [applies to S925, S938, S939, S1412] (comply with 9-10-306.1 OR 9-10-306.2)	N	
9-10-502	Monitoring [applies to S938]	N	
9-10-502.2	Fuel flowmeters [applies to S938]	N	
9-10-504	Recordkeeping (applies if complying with 9-10-306.2)	N	
9-10-505	Reporting	N	
SIP Regulation 9, Rule 10	**Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon Monoxide from Boilers, Steam Generators, and Process Heaters in Petroleum Refineries (1/5/94)**		
9-10-502	Monitoring	Y	
BAAQMD Regulation 10 Subpart A	**NSPS Incorporation by Reference, General Provisions (02/16/2000)**		
BAAQMD Regulation 10 Subpart J	**NSPS Incorporation by Reference, Petroleum Refineries (02/16/2000)**		
NSPS 40 CFR 60 Subpart A	**General Provisions (8/27/2001)**	**Y**	
60.7	Notification and recordkeeping	Y	
60.8	Performance tests	Y	
60.9	Availability of Information	Y	

IV. Source-specific Applicable Requirements

Table IV – AAa
Source-specific Applicable Requirements
S925 NO. 25 FURNACE, S938 NO. 38 FURNACE, S939 NO. 39 FURNACE, S1412 ACID PLANT START-UP HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.11	Compliance with standards and maintenance requirements	Y	
60.11(a)	Compliance with standards and maintenance requirements	Y	
60.11(d)	Good Operating Practice	Y	
60.12	Circumvention	Y	
60.13	Monitoring requirements	Y	
NSPS 40 CFR 60 Subpart J	**Standards of Performance for Petroleum Refineries (10/17/2000)**	**Y**	
60.104	Standards for sulfur oxides	Y	
60.104(a)(1)	Limit on hydrogen sulfide content in fuel gas burned in fuel gas combustion devices	Y	
60.105	Monitoring of Emissions and Operations	Y	
60.105(a)	Continuous monitoring system requirements	Y	
60.105(a)(4)	monitoring requirements for H2S (dry basis) in fuel gas prior to combustion (in lieu of separate combustion device exhaust SO2 monitors as required by 60.105(a)(3))	Y	
60.105(e)	Periods of excess emissions for 60.7(c)	Y	
60.105(e)(3)	Excess emissions of sulfur dioxide from fuel gas combustion	Y	
60.105(e)(3)(ii)	excess H2S in fuel gas as measured under 60.105(a)(4)	Y	
60.106	Test Methods and Procedures	Y	
60.106(a)	Performance test requirements	Y	
60.106(e)(1)	Compliance determination for H2S standards for fuel gas combustion devices	Y	
NSPS Title 40 Part 60 Appendix B	**NSPS 40 Part 60 Appendix B (01/12/2004)**		
Performance Specification 7	Specifications and Test Procedures for Hydrogen Sulfide Continuous Emission Monitoring Systems in Stationary Sources	Y	
NSPS Title 40 Part 60 Appendix F	**NSPS 40 Part 60 Appendix F (01/12/2004)**		
Procedure 1	QA Requirements for Gas Continuous Emission Monitoring Systems	Y	

IV. Source-specific Applicable Requirements

Table IV – AAa
Source-specific Applicable Requirements
S925 NO. 25 FURNACE, S938 NO. 38 FURNACE, S939 NO. 39 FURNACE, S1412 ACID PLANT START-UP HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Condition # 19528			
Part 1	Throughput limit (basis: Regulation 2-1-234.3, Regulation 2-1-403 Regulation 2-6-503)	Y	
BAAQMD Condition # 23562			
Part 1	NSPS J applicability and SSM requirements for fuel gas combustion devices. (Basis: NSPS Subparts A and J, EPA Consent Decree paragraphs 12, 117, 118, and 122.)	Y	
Part 2	Exemption from NSPS A and J notification requirements. (Basis: EPA Consent Decree paragraph 120.)	Y	
Part 3	Use CEMS or approved AMP to demonstrate compliance with NSPS Subpart J emission limit. (Basis: EPA Consent Decree paragraph 121.)	Y	
Part 4	CEMS accuracy test requirements. (Basis: EPA Consent Decree paragraph 121.)	Y	
BAAQMD Manual of Procedures, Volume V	**Continuous Emission Monitoring Policy and Procedures (1/20/82)**	Y	2010 (S902)

Table IV – Z
Source-specific Applicable Requirements
S904-NO. 6 BOILER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 1	**General Provisions and Definitions (~~11/15/00~~7/19/2006)**		
1-520	Continuous Emission Monitoring	Y	
1-520.8~~6~~	Monitors pursuant to Regulation 2-1-403	Y	
1-521	Monitoring May Be Required	Y	

IV. Source-specific Applicable Requirements

Table IV – Z
Source-specific Applicable Requirements
S904-NO. 6 BOILER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
1-522	Continuous Emission Monitoring and Recordkeeping Procedures	N	
1-602	Area and Continuous Monitoring Requirements	N	
SIP Regulation 1	**PROVISIONS NO LONGER IN CURRENT RULE General Provisions and Definitions (6/28/99)**		
1-522	Continuous Emission Monitoring and Recordkeeping Procedures	Y	
1-522.7	Excesses	Y	
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann No. 1 Limitation	Y	
6-302	Opacity Limitation	Y	
6-304	Tube Cleaning	Y	
6-305	Visible Particles	Y	
6-310	Particle Weight Limitation	Y	
6-310.3	Heat transfer operations	Y	
BAAQMD Regulation 8, Rule 18	**Fugitives Monitoring**	Y	
BAAQMD Manual of Procedures, Volume V	**Continuous Emission Monitoring Policy and Procedures (1/20/82)**	Y	
BAAQMD Regulation 9, Rule 1	**Inorganic Gaseous Pollutants - Sulfur Dioxide (3/15/95; SIP approved 6/8/99)**		
9-1-110.1	Requirement to comply with the monitoring, records, and reporting requirements contained in Regulation 1, including Sections 1-510, 530, 540, 542, 543, and 544.	Y	
9-1-110.2	Limitation on sulfur dioxide emissions resulting in ground level concentrations of sulfur dioxide in excess of the limits specified in Section 9-1-301	Y	
9-1-502	Continuous Emissions Monitoring if required by APCO	Y	
BAAQMD Regulation 9, Rule 10	**Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon Monoxide from Boilers, Steam Generators, and Process Heaters in Petroleum Refineries (1/5/94)**		
9-10-301	Emission Limit for Facility, NOx	N	

IV. Source-specific Applicable Requirements

Table IV – Z
Source-specific Applicable Requirements
S904-NO. 6 BOILER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
9-10-303.1	Federal Interim Facility-wide NOx emission limit for CO Boilers (Limit applies when S904 burns S806 Coker exhaust due to S903 being out of service)	Y	
9-10-304	NOx emission limit for CO Boilers (Limit applies when S904 burns S806 Coker exhaust due to S903 being out of service)	N	
9-10-305	CO emission limit	N	
9-10-502	Monitoring	Y	
9-10-502.1	CEMS for NOx, CO, and O2	Y	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	Y	
9-10-505	Reporting	Y	
SIP Regulation 9, Rule 10	**Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon Monoxide from Boilers, Steam Generators, and Process Heaters in Petroleum Refineries (1/5/94)**		
9-10-502	Monitoring	Y	
BAAQMD Regulation 10 Subpart A	**NSPS Incorporation by Reference, General Provisions (02/16/2000)**		
BAAQMD Regulation 10 Subpart J	**NSPS Incorporation by Reference, Petroleum Refineries (02/16/2000)**		
NSPS 40 CFR 60 Subpart A	**General Provisions (8/27/2001)**	**Y**	
60.7	Notification and recordkeeping	Y	
60.8	Performance tests	Y	
60.9	Availability of Information	Y	
60.11	Compliance with standards and maintenance requirements	Y	
60.11(a)	Compliance with standards and maintenance requirements	Y	
60.11(d)	Good Operating Practice	Y	
60.12	Circumvention	Y	
60.13	Monitoring requirements	Y	
NSPS 40 CFR 60 Subpart J	**Standards of Performance for Petroleum Refineries (10/17/2000)**	**Y**	
60.104	Standards for sulfur oxides	Y	

IV. Source-specific Applicable Requirements

Table IV – Z
Source-specific Applicable Requirements
S904-NO. 6 BOILER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.104(a)(1)	Limit on hydrogen sulfide content in fuel gas burned in fuel gas combustion devices	Y	
60.105	Monitoring of Emissions and Operations	Y	
60.105(a)	Continuous monitoring system requirements	Y	
60.105(a)(4)	monitoring requirements for H2S (dry basis) in fuel gas prior to combustion (in lieu of separate combustion device exhaust SO2 monitors as required by 60.105(a)(3))	Y	
60.105(e)	Periods of excess emissions for 60.7(c)	Y	
60.105(e)(3)	Excess emissions of sulfur dioxide from fuel gas combustion	Y	
60.105(e)(3)(ii)	excess H2S in fuel gas as measured under 60.105(a)(4)	Y	
60.106	Test Methods and Procedures	Y	
60.106(a)	Performance test requirements	Y	
60.106(e)(1)	Compliance determination for H2S standards for fuel gas combustion devices	Y	
NSPS Title 40 Part 60 Appendix B	**NSPS 40 Part 60 Appendix B (01/12/2004)**		
Performance Specification 7	Specifications and Test Procedures for Hydrogen Sulfide Continuous Emission Monitoring Systems in Stationary Sources	Y	
NSPS Title 40 Part 60 Appendix F	**NSPS 40 Part 60 Appendix F (01/12/2004)**		
Procedure 1	QA Requirements for Gas Continuous Emission Monitoring Systems	Y	
BAAQMD Condition # 4357			
Part 1	Definitions	Y	
Part 2	Emissions (basis: cumulative increase, bubble, BACT)	Y	
Part 3A	Emission Reductions (basis: cumulative increase, bubble)	Y	
Part 3B	Emission Reductions (basis: cumulative increase, bubble)	Y	
Part 3C	Emission Reductions (basis: cumulative increase, bubble)	Y	
Part 3D	Emission Reductions (basis: cumulative increase, bubble)	Y	
Part 3E	Emission Reductions (basis: cumulative increase, bubble, offsets)	Y	
Part 3F	Emission Reductions (basis: cumulative increase, bubble, offsets)	Y	

IV. Source-specific Applicable Requirements

Table IV – Z
Source-specific Applicable Requirements
S904-NO. 6 BOILER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 4A	Monitoring and Source Testing (toxics, NSPS)	Y	
Part 4B	Monitoring and Source Testing (basis:cumulative increase, offsets, BACT)	Y	
Part 5A	Reporting and Record Keeping (basis: cumulative increase, offsets)	Y	
Part 5B	Reporting and Record Keeping (basis: cumulative increase, offsets)	Y	
Part 5C	Reporting and Record Keeping (basis: cumulative increase, offsets)	Y	
Part 6A	Process Unit Design (basis: cumulative increase)	Y	
Part 6B	Process Unit Design	Y	
Part 6C	Process Unit Design	Y	
Part 7	Combustion Controls	Y	
Part 8	Hydrocarbon Controls	Y	
Part 9	Sulfur Recovery Facilities	Y	
Part 10	Access (basis: cumulative increase, offsets, BACT)	Y	
Part 11	Enforcement (basis: cumulative increase, offsets, BACT)	Y	
Part 12	Miscellaneous (basis: cumulative increase, offsets)	Y	
Part 13	Severability (basis: cumulative increase, offsets, BACT)	Y	
Part 14	Environmental Management Plan (basis: cumulative increase, offsets, BACT)	Y	
BAAQMD Condition # 16685	Firing rate limitations	Y	
Part 1	Daily Firing rate limitations (basis: cumulative increase, Regulation 2-1-403)	Y	
Part 2	Fuel Use Record Keeping (basis: cumulative increase, Regulation 2-1-403)	Y	
BAAQMD Condition # 17322		Y	
Part 1	Maximum Firing Rate (basis: cumulative increase, BACT, offsets)	Y	
Part 1a	Only gaseous fuels could be used (basis: cumulative increase)	Y	
Part 2	Requirement for abatement by A-904 SCR System and meeting 0.033 lb NOx/MMBtu (basis: Reg. 9-10)	Y	
Part 3	Fuel Flow Meter (basis: Reg. 9-10)	Y	
Part 4	In stack CEM requirement (basis: Reg. 9-10)	Y	
Part 4a	Continuous Opacity Monitor (basis: Reg. 6-302)	Y	~~June 1,~~

IV. Source-specific Applicable Requirements

Table IV – Z
Source-specific Applicable Requirements
S904-NO. 6 BOILER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
			~~2004~~
Part 5	Ammonia emission limit (basis: toxics)	N	
Part 6	Deleted condition obsolete	Y	D
Part 6 a	Deleted condition obsolete	Y	D
Part 6 b	Deleted condition obsolete	Y	D
Part 6 c	Deleted condition obsolete	Y	D
Part 6 d	Ammonia Testing (basis: toxics)	N	
Part 7	Record keeping (basis: Reg. 9-10)	Y	
Part 8	Deleted condition duplicated by condition ID #4357	Y	
BAAQMD Condition # 18372			
Part 26	Operating Modes (basis: Cumulative increase)	Y	
BAAQMD Condition # 19528			
Part 1	Throughput limit (basis: Regulation 2-1-234.3, Regulation 2-1-403 Regulation 2-6-503)	Y	
BAAQMD Condition # 22590			
Part 1	Natural gas line to pilots to have dedicated fuel flow meters (basis: cumulative increase)	Y	
Part 2	Maximum firing rate of 775 MMBtu/hr (HHV) (cumulative increase)	Y	
Part 3	Records (cumulative increase, recordkeeping)	Y	
BAAQMD Condition # 23562			
Part 1	NSPS J applicability and SSM requirements for fuel gas combustion devices. (Basis: NSPS Subparts A and J, EPA Consent Decree paragraphs 12, 117, 118, and 122.)	Y	
Part 2	Exemption from NSPS A and J notification requirements. (Basis: EPA Consent Decree paragraph 120.)	Y	
Part 3	Use CEMS or approved AMP to demonstrate compliance with NSPS Subpart J emission limit. (Basis: EPA Consent Decree paragraph 121.)	Y	

IV. Source-specific Applicable Requirements

Table IV – Z
Source-specific Applicable Requirements
S904-NO. 6 BOILER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 4	CEMS accuracy test requirements. (Basis: EPA Consent Decree paragraph 121.)	Y	

Table IV - AAb
Source-specific Applicable Requirements
S908-NO. 8 FURNACE, S909-NO. 9 FURNACE, S912-NO. 12 FURNACE, S913-NO. 13 FURNACE, S915-NO. 15 FURNACE, S916-NO. 16 FURNACE, ~~S919-NO. 19 FURNACE,~~ S920-NO. 20 FURNACE, S921-NO. 21 FURNACE, S922-NO. 22 FURNACE, S924-NO. 24 FURNACE, S926-NO. 26 FURNACE, S927-NO. 27 FURNACE, S928-NO. 28 FURNACE, S-929-NO. 29 FURNACE, S930-NO. 30 FURNACE, S931-NO. 31 FURNACE, S932-NO. 32 FURNACE, S933-NO. 33 FURNACE, S934-NO. 34 FURNACE, S935-NO. 35 FURNACE, S937-NO. 1 HYDROGEN PLANT FURNACE, S950-NO. 50 FURNACE

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)** **Applies to all sources**		12/31/2010 (S908, S909, S912, S913)
1-520	Continuous Emission Monitoring	Y	
1-520.8	Monitors pursuant to Regulation 2-1-403 ~~(applies to S908, S927, S937, S950)~~	Y	
1-521	Monitoring May Be Required ~~(applies to S908, S927, S937, S950)~~	Y	
1-522	Continuous Emission Monitoring and Recordkeeping Procedures ~~(applies to S908, S927, S937, S950)~~	N	
1-602	Area and Continuous Monitoring Requirements ~~(applies to S908, S927, S937, S950)~~	N	
SIP Regulation 1	**PROVISIONS NO LONGER IN CURRENT RULE** **General Provisions and Definitions (6/28/99)**		12/31/2010 (S908, S909, S912, S913)
1-522	Continuous Emission Monitoring and Recordkeeping Procedures ~~(applies to S908, S927, S937, S950)~~	Y	
1-522.7	Excesses	Y	

IV. Source-specific Applicable Requirements

Table IV - AAb
Source-specific Applicable Requirements
S908-NO. 8 FURNACE, S909-NO. 9 FURNACE, S912-NO. 12 FURNACE, S913-NO. 13 FURNACE, S915-NO. 15 FURNACE, S916-NO. 16 FURNACE, ~~S919-NO. 19 FURNACE,~~ S920-NO. 20 FURNACE, S921-NO. 21 FURNACE, S922-NO. 22 FURNACE, S924-NO. 24 FURNACE, S926-NO. 26 FURNACE, S927-NO. 27 FURNACE, S928-NO. 28 FURNACE, S-929-NO. 29 FURNACE, S930-NO. 30 FURNACE, S931-NO. 31 FURNACE, S932-NO. 32 FURNACE, S933-NO. 33 FURNACE, S934-NO. 34 FURNACE, S935-NO. 35 FURNACE, S937-NO. 1 HYDROGEN PLANT FURNACE, S950-NO. 50 FURNACE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particle Weight Limitation	Y	
BAAQMD Regulation 9, Rule 1	**Inorganic Gaseous Pollutants - Sulfur Dioxide (3/15/95; SIP approved 6/8/99)**		
BAAQMD Regulation 9, Rule 10	**Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon Monoxide from Boilers, Steam Generators, and Process Heaters in Petroleum Refineries (1/5/94)**		
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	
9-10-301.3	...Test-firing on Non-gaseous fuel Contribution	N	
9-10-302	Interim Facility-wide NOx emission rate limit	N	
9-10-303	Federal Interim Facility-wide NOx emission rate limit	Y	
9-10-305	CO emission limit	N	
9-10-502	Monitoring		
9-10-502.1	CEMS for NOx, CO, and O2	N	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	N	
9-10-505	Reporting	N	
SIP Regulation 9, Rule 10	**Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon Monoxide from Boilers, Steam Generators, and Process Heaters in Petroleum Refineries (1/5/94)**		
9-10-502	Monitoring	Y	

IV. Source-specific Applicable Requirements

Table IV - AAb
Source-specific Applicable Requirements
S908-NO. 8 FURNACE, S909-NO. 9 FURNACE, S912-NO. 12 FURNACE, S913-NO. 13 FURNACE, S915-NO. 15 FURNACE, S916-NO. 16 FURNACE, ~~S919-NO. 19 FURNACE,~~ S920-NO. 20 FURNACE, S921-NO. 21 FURNACE, S922-NO. 22 FURNACE, S924-NO. 24 FURNACE, S926-NO. 26 FURNACE, S927-NO. 27 FURNACE, S928-NO. 28 FURNACE, S-929-NO. 29 FURNACE, S930-NO. 30 FURNACE, S931-NO. 31 FURNACE, S932-NO. 32 FURNACE, S933-NO. 33 FURNACE, S934-NO. 34 FURNACE, S935-NO. 35 FURNACE, S937-NO. 1 HYDROGEN PLANT FURNACE, S950-NO. 50 FURNACE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 10 Subpart A	**NSPS Incorporation by Reference, General Provisions (02/16/2000)**		12/31/2010 (S908, S909, S912, S913)
BAAQMD Regulation 10 Subpart J	**NSPS Incorporation by Reference, Petroleum Refineries (02/16/2000)**		12/31/2010 (S908, S909, S912, S913)
NSPS 40 CFR 60 Subpart A	**General Provisions (8/27/2001)**	**Y**	12/31/2010 (S908, S909, S912, S913)
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	
60.11(a)	Compliance with standards and maintenance requirements	Y	
60.11(d)	Good Operating Practice	Y	
60.12	Circumvention	Y	
60.13	Monitoring requirements	Y	
NSPS 40 CFR 60 Subpart J	**Standards of Performance for Petroleum Refineries (10/17/2000)**	**Y**	12/31/2010 (S908, S909, S912, S913)
60.104	Standards for sulfur oxides	Y	
60.104(a)(1)	Limit on hydrogen sulfide content in fuel gas burned in fuel gas combustion devices	Y	
60.105	Monitoring of Emissions and Operations	Y	
60.105(a)	Continuous monitoring system requirements	Y	
60.105(a)(4)	monitoring requirement for H2S (dry basis) in fuel gas prior to combustion (in lieu of separate combustion device exhaust SO2 monitors as required by 60.105(a)(3))	Y	
60.105(e)	Periods of excess emissions for 60.7(c)	Y	
60.105(e)(3)	Excess emissions of sulfur dioxide from fuel gas combustion	Y	

IV. Source-specific Applicable Requirements

Table IV - AAb
Source-specific Applicable Requirements
S908-NO. 8 FURNACE, S909-NO. 9 FURNACE, S912-NO. 12 FURNACE, S913-NO. 13 FURNACE, S915-NO. 15 FURNACE, S916-NO. 16 FURNACE, ~~S919-NO. 19 FURNACE,~~ S920-NO. 20 FURNACE, S921-NO. 21 FURNACE, S922-NO. 22 FURNACE, S924-NO. 24 FURNACE, S926-NO. 26 FURNACE, S927-NO. 27 FURNACE, S928-NO. 28 FURNACE, S-929-NO. 29 FURNACE, S930-NO. 30 FURNACE, S931-NO. 31 FURNACE, S932-NO. 32 FURNACE, S933-NO. 33 FURNACE, S934-NO. 34 FURNACE, S935-NO. 35 FURNACE, S937-NO. 1 HYDROGEN PLANT FURNACE, S950-NO. 50 FURNACE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.105(e)(3)(ii)	excess H2S in fuel gas as measured under 60.105(a)(4)	Y	
60.106	Test Methods and Procedures	Y	
60.106(a)	Performance test requirements	Y	
60.106(e)(1)	Compliance determination for H2S standards for fuel gas combustion devices	Y	
NSPS Title 40 Part 60 Appendix B	**NSPS 40 Part 60 Appendix B (01/12/2004)**		
Performance Specification 7	Specifications and Test Procedures for Hydrogen Sulfide Continuous Emission Monitoring Systems in Stationary Sources	Y	
NSPS Title 40 Part 60 Appendix F	**NSPS 40 Part 60 Appendix F (01/12/2004)**		
Procedure 1	QA Requirements for Gas Continuous Emission Monitoring Systems	Y	
NSPS 40 CFR 61 SubpartFF	**NESHAP for Benzene Waste Operations**	**Y**	
40 CFR 61.349	**Standards: Closed-vent systems and control devices (For S950 No. 50 Furnace only)**	**Y**	
40 CFR 61.349(a)(1)(i)	Fugitives: Closed vent-vent system to operate with no detectable emissions as indicated by instrument reading of less than 500 ppmv as per method in 61.355(h)	Y	
40 CFR 61.349(a)(1)(iiI)	Closed Vent System Gauging and Sampling Devices	Y	
40 CFR 61.349(a)(1)(iv)	Closed Vent System Devices Venting to Atmosphere	Y	
40 CFR 61.349(a)(2)(i)	Combustion Device Design	Y	

IV. Source-specific Applicable Requirements

Table IV - AAb
Source-specific Applicable Requirements
S908-NO. 8 FURNACE, S909-NO. 9 FURNACE, S912-NO. 12 FURNACE, S913-NO. 13 FURNACE, S915-NO. 15 FURNACE, S916-NO. 16 FURNACE, ~~S919-NO. 19 FURNACE,~~ S920-NO. 20 FURNACE, S921-NO. 21 FURNACE, S922-NO. 22 FURNACE, S924-NO. 24 FURNACE, S926-NO. 26 FURNACE, S927-NO. 27 FURNACE, S928-NO. 28 FURNACE, S-929-NO. 29 FURNACE, S930-NO. 30 FURNACE, S931-NO. 31 FURNACE, S932-NO. 32 FURNACE, S933-NO. 33 FURNACE, S934-NO. 34 FURNACE, S935-NO. 35 FURNACE, S937-NO. 1 HYDROGEN PLANT FURNACE, S950-NO. 50 FURNACE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
40 CFR 61.349(a)(2)(i)(A)	Reduce organic emissions by 95 weight percent or greater	Y	
40 CFR 61.349(a)(2)(i)(B)	Achieve a total organic compound concentration of 20 ppmv (Method 18) on a dry basis corrected to 3 percent oxygen or	Y	
40 CFR 61.349(a)(2)(i)(C)	Provide a minimum residence time of 0.5 seconds at a minimum temperature of 760C (1400F). If a boiler or process heater is used as the control device, then the vent stream shall be introduced into the flame zone.	Y	
40 CFR 61.349(a)(2)(ii)	Vapor Recovery Efficiency of carbon adsorption or condenser shall recover or control organic emissions with an efficiency of 95 weight percent or greater, or shall recover or control the benzene emissions vented to it with an efficiency of 98 weight percent or greater.	Y	
40 CFR 61.349(b)	Control Device Operation	Y	
40 CFR 61.349(c)	Control Device Compliance Demonstration	Y	
40 CFR 61.349(c)(1)	Control Device Engineering Calculations	Y	
40 CFR 61.349(c)(2)	Control Device Performance Tests	Y	
40 CFR 61.349(e)	Control Device: Adminstrator may request demonstration of applicable conditions in (a)(2) of this section by conducting a performance test using test methods and procedures in 61.355, and for control devices subject to (a)(2)(iv) of this section, the Adminstrator may specify alternative test methods and procedures, as appropriate.	Y	
40 CFR 61.349(f)	Quarterly Visual Inspection of Closed Vent System and Control Device	Y	
40 CFR 61.349(g)	Closed Vent System Repair	Y	

IV. Source-specific Applicable Requirements

Table IV - AAb
Source-specific Applicable Requirements
S908-NO. 8 FURNACE, S909-NO. 9 FURNACE, S912-NO. 12 FURNACE, S913-NO. 13 FURNACE, S915-NO. 15 FURNACE, S916-NO. 16 FURNACE, ~~S919-NO. 19 FURNACE,~~ S920-NO. 20 FURNACE, S921-NO. 21 FURNACE, S922-NO. 22 FURNACE, S924-NO. 24 FURNACE, S926-NO. 26 FURNACE, S927-NO. 27 FURNACE, S928-NO. 28 FURNACE, S-929-NO. 29 FURNACE, S930-NO. 30 FURNACE, S931-NO. 31 FURNACE, S932-NO. 32 FURNACE, S933-NO. 33 FURNACE, S934-NO. 34 FURNACE, S935-NO. 35 FURNACE, S937-NO. 1 HYDROGEN PLANT FURNACE, S950-NO. 50 FURNACE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
40 CFR 61.349(h)	Monitoring of control device used to comply with this section in accordance with 61.354(c).	Y	
BAAQMD Condition # 4357			
Part 1	Definitions (basis: definitions)	Y	
Part 2	Emissions (basis: cumulative increase, bubble, BACT)	Y	
Part 3	Emission Reductions (basis: cumulative increase, bubble, BACT, offsets)	Y	
Part 4A	Monitoring and Source Testing (toxics, NSPS)	Y	
Part 5	Reporting and Recordkeeping (basis: cumulative increase, bubble, BACT, offsets)	Y	
Part 7	Combustion Controls (basis: cumulative increase, bubble, BACT, offsets)	Y	
Part 10	Access (basis: cumulative increase, offsets, BACT)	Y	
Part 11	Enforcement (basis: cumulative increase, offsets, BACT)	Y	
Part 12	Miscellaneous (basis: cumulative increase, offsets)	Y	
Part 13	Severability (basis: cumulative increase, offsets, BACT)	Y	
Part 14	Environmental Management Plan (basis: cumulative increase, offsets, BACT)	Y	
BAAQMD Condition # 7410	For S-950 Only		
Part 3	Limit on non-methane hydrocarbon emissions (basis: cumulative increase)	Y	
Part 4	Limit on hydrogen sulfide emissions (basis: toxics)	N	
Part 5	Minimum S950 operating temperature when abating S606 and/or S607 (basis: cumulative increase)	Y	
Part 6	Record keeping for operating temperature (basis: cumulative increase)	Y	

IV. Source-specific Applicable Requirements

Table IV - AAb
Source-specific Applicable Requirements
S908-NO. 8 FURNACE, S909-NO. 9 FURNACE, S912-NO. 12 FURNACE, S913-NO. 13 FURNACE, S915-NO. 15 FURNACE, S916-NO. 16 FURNACE, ~~S919-NO. 19 FURNACE,~~ S920-NO. 20 FURNACE, S921-NO. 21 FURNACE, S922-NO. 22 FURNACE, S924-NO. 24 FURNACE, S926-NO. 26 FURNACE, S927-NO. 27 FURNACE, S928-NO. 28 FURNACE, S-929-NO. 29 FURNACE, S930-NO. 30 FURNACE, S931-NO. 31 FURNACE, S932-NO. 32 FURNACE, S933-NO. 33 FURNACE, S934-NO. 34 FURNACE, S935-NO. 35 FURNACE, S937-NO. 1 HYDROGEN PLANT FURNACE, S950-NO. 50 FURNACE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 7	Record keeping (basis: cumulative increase)	Y	
BAAQMD Condition # 16685			
Part 1	Daily Firing rate limitations (basis: cumulative increase, , Regulation 2-1-403)	Y	
Part 2	Fuel Use Record Keeping (basis: cumulative increase, Regulation 2-1-403)	Y	
BAAQMD Condition # 18372			
Part 1	District Approved Flowmeter (Regulation 9-10-502.2)	Y	
Part 2	Natural Gas or Refinery Fuel Gas only (Regulation 9-10)	Y	
Part 3	Maximum Daily Firing Rate Limit (Regulation 9-10)	Y	
~~Part 4~~	~~NOx emission limit for S912 and S926 (Regulation 9-10)~~	~~Y~~	
~~Part 5~~	~~NOX Box Source Test (Regluation 9-10)~~	~~Y~~	
~~Part 6~~	~~S912 NOx Box (Regulation 9-10)~~	~~Y~~	
~~Part 7~~	~~S913 NOx Box (Regulation 9-10)~~	~~Y~~	
~~Part 8~~	~~S916 NOx Box (Regulation 9-10)~~	~~Y~~	
~~Part 9~~	~~S919 NOx Box (Regulation 9-10)~~	~~Y~~	
~~Part 10~~	~~S920NOx Box (Regulation 9-10)~~	~~Y~~	
~~Part 11~~	~~S921 NOx Box (Regulation 9-10)~~	~~Y~~	
~~Part 12~~	~~S922 NOx Box (Regulation 9-10)~~	~~Y~~	
~~Part 13~~	~~S926 NOx Box (Regulation 9-10)~~	~~Y~~	
~~Part 14~~	~~Source Test Requirements (Regulation 9-10)~~	~~Y~~	
~~Part 15~~	~~30 days to deliver source tests to BAAQMD (Regulation 9-10)~~	~~Y~~	
~~Part 16~~	~~CO results > 200 ppmv require testing to maximize CO emissions (Regulation 9-10)~~	~~Y~~	

IV. Source-specific Applicable Requirements

Table IV - AAb
Source-specific Applicable Requirements
S908-NO. 8 FURNACE, S909-NO. 9 FURNACE, S912-NO. 12 FURNACE, S913-NO. 13 FURNACE, S915-NO. 15 FURNACE, S916-NO. 16 FURNACE, ~~S919-NO. 19 FURNACE,~~ S920-NO. 20 FURNACE, S921-NO. 21 FURNACE, S922-NO. 22 FURNACE, S924-NO. 24 FURNACE, S926-NO. 26 FURNACE, S927-NO. 27 FURNACE, S928-NO. 28 FURNACE, S-929-NO. 29 FURNACE, S930-NO. 30 FURNACE, S931-NO. 31 FURNACE, S932-NO. 32 FURNACE, S933-NO. 33 FURNACE, S934-NO. 34 FURNACE, S935-NO. 35 FURNACE, S937-NO. 1 HYDROGEN PLANT FURNACE, S950-NO. 50 FURNACE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
~~Part 17~~	~~CO results requires CEM (Regulation 9-10)~~	~~Y~~	
Part 18	S927 to be abated by A1431, ~~A1431~~ Exhaust gas requires CEM (Regulation 9-10)	Y	
Part 19	S950 to be abated by A1432, A1432 requires CEM (Regulation 9-10)	Y	
Part 22	S927 and S950 ammonia slip limit 20 ppmv (toxics)	Y	
Part 23	Recordkeeping (Regulation 9-10-504)	Y	
Part 24	Source test Recordkeeping for S-912, S913, S916, S920, S921, S922, S926 (Regulation 9-10)	Y	
Part 25	Fuel Use Recordkeeping for S-912, S913, S916, S920, S921, S922, S926 (Regulation 9-10)		
Part 27	Sources subject to Regulation 9-10 (basis: Regulation 9-10-301 & 305)	Y	~~1/1/05~~
Part 28	O2 monitor and recorder requireent (basis: Regulation 9-10-502)	Y	~~9/1/2004~~
Part 29	Operating condition requirements for those sources without CEM (basis: Regulation 9-10-502)	Y	~~1/1/05~~
Part 30	NOx box establishment requirements (basis: Regulation 9-10-502)	Y	
Part 31	NOx box ranges (basis: Regulation 9-10-502)	Y	~~1/1/05~~
Part 32	NOx Box Deviations (basis: Regulation 9-10-502)	Y	~~1/1/05~~
Part 33	Source test requirements (basis: Regulation 9-10-502)	Y	~~1/1/05~~
Part 34	CO source test (basis: Regulation 9-10-502, 1-522)	Y	~~1/1/05~~
Part 35	CO results requires CEM (basis: Regulation 9-10-502, 1-522)	Y	~~1/1/05~~
Part 36	Source test records (basis: recordkeeping; Regulation 9-10-504)	Y	~~1/1/05~~

IV. Source-specific Applicable Requirements

Table IV - AAb
Source-specific Applicable Requirements
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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Condition # 19528			
Part 1	Throughput limit (basis: Regulation 2-1-234.3, Regulation 2-1-403 Regulation 2-6-503)	Y	
BAAQMD Condition 21751	For S-920 No. 2 HDS Charage Heater only Ultra Low Sulfur Diesel Project (startup conditions)		
Part 1	Within 30 days of startup of the Ultra Low Sulfur Diesel Project, provide the District with final fugitive count (basis: cumulative increase, offsets)	Y	
Part 2	If components count differs, reconcile offsets (basis: offsets)	Y	
Part 3	BACT compliant technology for light hydrocarbon service valves, fugitive organics shall not exceed 100 ppm (basis: BACT, Reg. 8-18)	Y	
Part 4	BACT compliant technology for light hydrocarbon service flanges and connectors, fugitive organics shall not exceed 100 ppm (basis: BACT, Reg. 8-18)	Y	
Part 5	BACT compliant technology for light hydrocarbon service pump seals, fugitive organics shall not exceed 500 ppm (basis: BACT, Reg. 8-18)	Y	
Part 6	BACT compliant technology for light hydrocarbon service compressor seals, fugitive organics shall not exceed 500 ppm (basis: BACT, Reg. 8-18)	Y	
Part 7	Pressure relief valves shall be vented to the refinery fuel gas system or abatement device w/ capture and destruction efficiency of at least 98% by weight (basis: BACT, Reg. 8-28)	Y	
Part 8	Integrate all new fugitive equipment in organic service installed into facility fugitive equipment monitoring and repair program (basis: BACT, Reg. 8-18)	Y	

IV. Source-specific Applicable Requirements

Table IV - AAb
Source-specific Applicable Requirements
S908-NO. 8 FURNACE, S909-NO. 9 FURNACE, S912-NO. 12 FURNACE, S913-NO. 13 FURNACE, S915-NO. 15 FURNACE, S916-NO. 16 FURNACE, ~~S919-NO. 19 FURNACE,~~ S920-NO. 20 FURNACE, S921-NO. 21 FURNACE, S922-NO. 22 FURNACE, S924-NO. 24 FURNACE, S926-NO. 26 FURNACE, S927-NO. 27 FURNACE, S928-NO. 28 FURNACE, S-929-NO. 29 FURNACE, S930-NO. 30 FURNACE, S931-NO. 31 FURNACE, S932-NO. 32 FURNACE, S933-NO. 33 FURNACE, S934-NO. 34 FURNACE, S935-NO. 35 FURNACE, S937-NO. 1 HYDROGEN PLANT FURNACE, S950-NO. 50 FURNACE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Condition # 21186	S916 No. 16 Furnace – No. 1 HDS Heater		
Part 1	Sample fuel gas for total reduced sulfur (TDS)	Y	
Part 2	Analyze and record total reducaed sulfur (TDS)	Y	
Part 3	TRS limit of 300 ppmvd	Y	
Part 4	Annual average TRS limit of 281 ppmvd	Y	
Part 5	Sampling and analysis to start 120 days after issuance of Permit to Operate	Y	
Part 6	Provide list of variables affecting TRS content of 100# fuel gas, description of vaiable, and control of variable	N	
Part 7	Recordkeeping	Y	
BAAQMD Condition # 22621	**S-913 No. 2 Feed Prep Heater (F13) only**		
Part 1	Startup condition for fugitives (basis: cumulative increase, offsets)	Y	
Part 2	Startup condition for offsets (basis: offsets)	Y	
Part 3	Fugitive emission limit for valves (basis: BACT, Regulation 8-28, offsets)	Y	
Part 4	Fugitive emission limit for flanges and connectors (basis: BACT, Regulation 8-28, offsets)	Y	
Part 5	Fugitive emission reglations from relief valves (basis: BACT, Regulation 8-28, offsets)	Y	
Part 6	Integration of all new fugitive equipment in organic service installed into the facility fugitive equipment monitoring and repair program. (basis: BACT, Regulation 8-18, offsets)	Y	
Part 7	Sample 100 pound fuel gas for total sulfur (basis: cumulative increase, offsets, Regulation 2-1-403)	Y	
Part 8	Recordkeeping (basis: cumulative increase, offsets, recordkeeping, Regulation 2-1-403)	Y	

IV. Source-specific Applicable Requirements

Table IV - AAb
Source-specific Applicable Requirements
S908-NO. 8 FURNACE, S909-NO. 9 FURNACE, S912-NO. 12 FURNACE, S913-NO. 13 FURNACE, S915-NO. 15 FURNACE, S916-NO. 16 FURNACE, ~~S919-NO. 19 FURNACE,~~ S920-NO. 20 FURNACE, S921-NO. 21 FURNACE, S922-NO. 22 FURNACE, S924-NO. 24 FURNACE, S926-NO. 26 FURNACE, S927-NO. 27 FURNACE, S928-NO. 28 FURNACE, S-929-NO. 29 FURNACE, S930-NO. 30 FURNACE, S931-NO. 31 FURNACE, S932-NO. 32 FURNACE, S933-NO. 33 FURNACE, S934-NO. 34 FURNACE, S935-NO. 35 FURNACE, S937-NO. 1 HYDROGEN PLANT FURNACE, S950-NO. 50 FURNACE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 9	Establish NOx Box at startup (basis: Regulation 9-10-301, Regulation 9-10-502)	Y	
Part 10	Procedure for calculating IERC's (basis: Regulation 9-10-301, Regulation 9-10-502, Regulation 2-9)	Y	
BAAQMD Condition # 23562			12/31/2010 (S908, S909, S912, S913)
Part 1	NSPS J applicability and SSM requirements for fuel gas combustion devices. (Basis: NSPS Subparts A and J, EPA Consent Decree paragraphs 12, 117, 118, and 122.)	Y	
Part 2	Exemption from NSPS A and J notification requirements. (Basis: EPA Consent Decree paragraph 120.)	Y	
Part 3	Use CEMS or approved AMP to demonstrate compliance with NSPS Subpart J emission limit. (Basis: EPA Consent Decree paragraph 121.)	Y	
Part 4	CEMS accuracy test requirements. (Basis: EPA Consent Decree paragraph 121.)	Y	
BAAQMD Manual of Procedures, Volume V	**Continuous Emission Monitoring Policy and Procedures (1/20/82)**	Y	12/31/2010 (S908, S909, S912, S913)

IV. Source-specific Applicable Requirements

Table IV – AAc
Source-specific Applicable Requirements
S1106-No. 72 Furnace, S1470-No. 71 Furnace

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)**		
1-520	Continuous Emission Monitoring	Y	
1-520.8	Monitors pursuant to Regulation 2-1-403	Y	
1-521	Monitoring May Be Required	Y	
1-522	Continuous Emission Monitoring and Recordkeeping Procedures	N	
1-602	Area and Continuous Monitoring Requirements	N	
SIP Regulation 1	**PROVISIONS NO LONGER IN CURRENT RULE General Provisions and Definitions (6/28/99)**		
1-522	Continuous Emission Monitoring and Recordkeeping Procedures	Y	
1-522.7	Excesses	Y	
BAAQMD Regulation 10 Subpart A	**NSPS Incorporation by Reference, General Provisions (02/16/2000)**		
BAAQMD Regulation 10 Subpart J	**NSPS Incorporation by Reference, Petroleum Refineries (02/16/2000)**		
BAAQMD Manual of Procedures, Volume V	**Continuous Emission Monitoring Policy and Procedures (1/20/82)**	Y	
NSPS 40 CFR 60 Subpart A	**Standards of Performance for New Stationary Sources (8/27/2001)**	Y	
60.7	Notification and Recordkeeping	Y	
60.8	Performance Tests	Y	
60.9	Availability of Information	Y	
60.11	Compliance with standards and maintenance requirements	Y	
60.11(a)	Compliance with standards and maintenance requirements	Y	
60.11(d)	Good Operating Practice	Y	
60.12	Circumvention	Y	
60.13	Monitoring Requirements	Y	
NSPS 40 CFR 60	**Standards of Performance for Petroleum Refineries (10/17/2000)**		

IV. Source-specific Applicable Requirements

Table IV – AAc
Source-specific Applicable Requirements
S1106-No. 72 Furnace, S1470-No. 71 Furnace

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Subpart J			
60.100	Applicability	Y	
60.100(a)	Applicability: Claus Sulfur Recovery Plants, FCCU Catalyst Regenerators at Refineries and Fuel Gas Combustion Devices and Fuel Gas Combustion Devices of Refineries	Y	
60.100(b)	Applicability: Constructed/modified after 6/11/1973	Y	
60.104	Standards for Sulfur Oxides	Y	
60.104(a)(1)	Limit on hydrogen sulfide content in fuel gas burned in fuel gas combustion devices	Y	
60.105	Monitoring of Emissions and Operations	Y	
60.105(a)	Continuous monitoring system requirements	Y	
60.105(a)(4)	monitoring requirement for H2S (dry basis) in fuel gas prior to combustion (in lieu of separate combustion device exhaust SO2 monitors as required by 60.105(a)(3))	Y	
60.105(e)	Periods of excess emissions for 60.7(c)	Y	
60.105(e)(3)	Excess emissions of sulfur dioxide from fuel gas combustion	Y	
60.105(e)(3)(ii)	Excess SO_2 emission definitions for 60.7(c)	Y	
60.106	Test methods and procedures	Y	
60.106(a)	Performance test requirements	Y	
60.106(e)(1)	Compliance determination for H2S standards for fuel gas combustion devices	Y	
NSPS Title 40 Part 60 Appendix B	**NSPS 40 Part 60 Appendix B (01/12/2004)**		
Performance Specification 7	Specifications and Test Procedures for Hydrogen Sulfide Continuous Emission Monitoring Systems in Stationary Sources	Y	
NSPS Title 40 Part 60 Appendix F	**NSPS 40 Part 60 Appendix F (01/12/2004)**		
Procedure 1	QA Requirements for Gas Continuous Emission Monitoring Systems	Y	

IV. Source-specific Applicable Requirements

Table IV – AAc
Source-specific Applicable Requirements
S1106-No. 72 Furnace, S1470-No. 71 Furnace

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Condition # 18539	Applies to S-1470 only		
Part 1	Limitation on Fuel Use Type (basis: cumulative increase, toxics)	Y	
Part 2	Fuel Flow Meter Requirement (basis: cumulative increase)	Y	
Part 3	Requirement for Calorimeter (basis: BACT, cumulative increase, offsets, toxics)	Y	
Part 4	Total Reduced Sulfur Limit Annual Average (basis: cumulative increase, BACT, offsets)	Y	
Part 5	Total Reduced Sulfur Limit 24 Hour Average (basis: BACT)	Y	
Part 6	Total Reduced Sulfur Sampling Device Requirements (basis: BACT)	Y	
Part 7	Total Reduced Sulfur Sampling Frequency Requirement (basis: BACT)	Y	
Part 8	NOx Monitoring Requirement (basis: cumulative increase, BACT, offsets)	Y	
Part 9	Annual Fuel Use Limit (basis: cumulative increase, toxics, offsets)	Y	
Part 10	NOx Emission Limit (basis: BACT, cumulative increase, offsets)	Y	
Part 11	CO Emission Limit (basis: BACT, cumulative increase, offsets)	Y	
Part 12	POC Emission Limit (basis: cumulative increase, offsets)	Y	
Part 13	PM-10 Emission Limit (basis: cumulative increase, offsets)	Y	
Part 14	SO2 Emission Limit (basis: cumulative increase, BACT, offsets)	Y	
Part 15	Requirement that S1470 be Abated by A-908 (basis: BACT)	Y	
Part 16	Ammonia Slip Limitation (basis: toxics)	Y	
Part 17	Start-Up Source Test Requirements (basis: cumulative increase, offset)	Y	
Part 18	Limit on the Annual Maximum Firing Rate of S908 (basis: cumulative increase)	Y	
Part 19	Prohibition on the Operation of S-906 and S-907 (basis: offsets)	Y	
Part 20	Offsets Required If Emissions Exceeded (basis: offsets)	Y	
BAAQMD Condition # 19199	(Applies to S-1106 only)		
Part H0	Maximum fuel firing rate limitation (basis: cumulative increase)	Y	
Part H1	Natural gas only (basis: cumulative increase, toxics)	Y	
Part H2	Requirement for fuel flowmeter (basis: cumulative increase, toxics)	Y	
Part H3	Maximum annual fuel use (basis: cumulative increase, toxics, offsets)	Y	

IV. Source-specific Applicable Requirements

Table IV – AAc
Source-specific Applicable Requirements
S1106-No. 72 Furnace, S1470-No. 71 Furnace

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part H4	NOx Emission Limit (basis: BACT, cumulative increase, offsets)	Y	
Part H5	CO Emission Limit (basis: BACT, cumulative increase, offsets)	Y	
Part H6	POC Emission Limit (basis: cumulative increase, offsets)	Y	
Part H7	PM-10 Emission Limit (basis: cumulative increase, offsets)	Y	
Part H8	SO2 Emission Limit (basis: cumulative increase, BACT, offsets)	Y	
Part H9	Abatement requirements for startup and shutdown (basis: BACT)	Y	
Part H10	Ammonia Slip Limitation (basis: toxics)	Y	
Part H11	NOx CEM requirements (basis: cumulative increase, BACT, offsets)	Y	
Part H12	CO Source test requirements (basis: startu-up, offsets, BACT, cumulative increase, toxics)	Y	
Part H13	NOx, CO, POC, SO2, ammonia, and PM10 source test requirements (basis: start-up, offsets, BACT, cumulative increase, toxics)	Y	
Part H14	Recordkeeping (basis: cumulative increase, offsets)	Y	
Part H15	Offsets requirements (basis: offsets)	Y	
BAAQMD Condition # 19528			
Part 1	Throughput limit (basis: Regulation 2-1-234.3, Regulation 2-1-403 Regulation 2-6-503)	Y	

Table IV – AD
Source-specific Applicable Requirements
S903- NO. 5 BOILER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 1	**General Provisions and Definitions (11/15/00)**		
1-520	Continuous Emission Monitoring	Y	
1-520.6	Monitors pursuant to Regulation 2-1-403	Y	
1-521	Monitoring May Be Required	Y	
1-522	Continuous Emission Monitoring and Recordkeeping Procedures	N	
1-602	Area and Continuous Monitoring Requirements	N	

IV. Source-specific Applicable Requirements

Table IV – AD
Source-specific Applicable Requirements
S903- NO. 5 BOILER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
SIP Regulation 1	**PROVISIONS NO LONGER IN CURRENT RULE General Provisions and Definitions (6/28/99)**		
1-522	Continuous Emission Monitoring and Recordkeeping Procedures	Y[2]	
BAAQMD Regulation 2, Rule 1	**Regulation 2, Rule 1 - Permits, General Requirements (5/2/01; SIP approved 1/26/99 {adopted 11/01/89})**		
2-1-403	Permit conditions-measurement of emissions	N	
2-1-501	Monitors	Y	
SIP Regulation 2, Rule 1	PROVISIONS NO LONGER IN CURRENT RULE **Permits, General Requirements (1/26/99 {adopted 11/01/89})**		
2-1-403	Permit conditions-measurement of emissions	Y[2]	
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann No. 1 Limitation	Y	
6-302	Opacity Limitation	Y	
6-304	Tube Cleaning	Y	
6-305	Visible Particles	Y	
6-310	Particle Weight Limitation	Y	
6-310.3	Heat transfer operations	Y	
BAAQMD Regulation 8, Rule 18	**Fugitives Monitoring**	Y	
BAAQMD Manual of Procedures, Volume V	**Continuous Emission Monitoring Policy and Procedures (1/20/82)**	Y	
BAAQMD Regulation 9, Rule 1	**Inorganic Gaseous Pollutants - Sulfur Dioxide (3/15/95; SIP approved 6/8/99)**		
9-1-110.1	Requirement to comply with the monitoring, records, and reporting requirements contained in Regulation 1, including Sections 1-510, 530, 540, 542, 543, and 544.	Y	
9-1-110.2	Limitation on sulfur dioxide emissions resulting in ground level concentrations of sulfur dioxide in excess of the limits specified in Section 9-1-301	Y	

IV. Source-specific Applicable Requirements

Table IV – AD
Source-specific Applicable Requirements
S903- NO. 5 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 (1/5/94)**		
9-10-303.1	Federal Interim Facility-wide NOx emission limit for CO Boilers	Y	
9-10-304	NOx emission limit for CO Boilers	N	
9-10-305	CO emission limit	N	
9-10-502	Monitoring	N	
9-10-502.1	CEMS for NOx, CO, and O2	Y	
9-10-502.2	Fuel flowmeters	N	
9-10-504	Recordkeeping	N	
9-10-505	Reporting	N	
SIP Regulation 9, Rule 10	**Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon Monoxide from Boilers, Steam Generators, and Process Heaters in Petroleum Refineries (1/5/94)**		
9-10-502	Monitoring	Y	
BAAQMD Condition # 573			
Part 1	Ammonia grade requirement (basis: toxics)	N	
Part 2	Ammonia emission limit (basis: toxics)	N	
Part 3	Ammonia slip minimization NOx abatement optimization (basis: toxics)	N	
Part 4	Maximum ammonia injection rate (basis: toxics)	N	
Part 5	Deleted condition obsolete		
Part 6	Daily ammonia usage records (basis: toxics)	N	
Part 7	Deleted condition obsolete		
Part 8 a-h	Deleted condition obsolete		
Part 9	Stack opacity and ammonia use (basis: Reg. 6-302)	N	
Part 9a	Continuous Opacity Monitor (basis: Reg. 6-302)	Y	~~June 1, 2004~~
Part 10	Notification of testing to evaluate ammonia injection (basis: cumulative increase)	N	
Part 11	Nuodex or equivalent injection (basis: cumulative increase)	Y	
Part 12	Limit on Nuodex or equivalent usage (basis: cumulative increase)	Y	
Part 13	Nuodex or equivalent record keeping (basis: cumulative increase)	Y	

IV. Source-specific Applicable Requirements

Table IV – AD
Source-specific Applicable Requirements
S903- NO. 5 BOILER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 14	Only gaseous fuels could be used (basis: cumulative increase)	Y	
BAAQMD Condition # 16685			
Part 1	Daily Firing rate limitations (basis: cumulative increase, Regulation 2-1-403)	Y	
Part 2	Fuel Use Record Keeping (basis: cumulative increase, Regulation 2-1-403)	Y	
BAAQMD Condition # 19528			
Part 1	Throughput limit (basis: Regulation 2-1-234.3, Regulation 2-1-403 Regulation 2-6-503)	Y	

Table IV – AF
Source-specific Applicable Requirements
S917 NO. 17 FURNACE, S919 NO. 19 FURNACE, S951 NO. 51 FURNACE, S971–NO. 53 FURNACE, S972–NO. 54 FURNACE, S973–NO. 56 FURNACE, S974–NO. 55 FURNACE,

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 1	**General Provisions and Definitions (~~11/15/00~~7/19/2006)**		
1-520	Continuous Emission Monitoring ~~(applies to S971, S972, S973, S974)~~	Y	
1-520.8	Monitors pursuant to Regulation 2-1-403 ~~(applies to S971, S972, S973, S974)~~	Y	
1-521	Monitoring May Be Required ~~(applies to S971, S972, S973, S974)~~	Y	
1-522	Continuous Emission Monitoring and Recordkeeping Procedures ~~(applies to S971, S972, S973, S974)~~	N	
1-602	Area and Continuous Monitoring Requirements ~~(applies to S971, S972, S973, S974)~~	N	

IV. Source-specific Applicable Requirements

Table IV – AF
Source-specific Applicable Requirements
S917 NO. 17 FURNACE, S919 NO. 19 FURNACE, S951 NO. 51 FURNACE, S971–NO. 53 FURNACE, S972–NO. 54 FURNACE, S973–NO. 56 FURNACE, S974–NO. 55 FURNACE,

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
SIP Regulation 1	**PROVISIONS NO LONGER IN CURRENT RULE General Provisions and Definitions (6/28/99)**		
1-522	Continuous Emission Monitoring and Recordkeeping Procedures ~~(applies to S971, S-972, S973, S974)~~	Y	
1-522.7	Excesses	Y	
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann No. 1 Limitation	Y	
6-302	Opacity Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particle Weight Limitation	Y	
6-310.3	Heat transfer operations	Y	
Regulation 8-18	**Fugitives Monitoring**	Y	
BAAQMD Manual of Procedures, Volume V	**Continuous Emission Monitoring Policy and Procedures (1/20/82)**	Y	
BAAQMD Regulation 9, Rule 1	**Inorganic Gaseous Pollutants - Sulfur Dioxide (3/15/95; SIP approved 6/8/99)**		
BAAQMD Regulation 9, Rule 10	**Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon Monoxide from Boilers, Steam Generators, and Process Heaters in Petroleum Refineries (1/5/94)**		
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	
9-10-301.3	...Test-firing on Non-gaseous fuel Contribution	N	
9-10-302	Interim Facility-wide NOx emission rate limit	N	
9-10-303	Federal Interim Facility-wide NOx emission rate limit	Y	
9-10-305	CO emission limit	N	
9-10-502	Monitoring		

IV. Source-specific Applicable Requirements

Table IV – AF
Source-specific Applicable Requirements
S917 NO. 17 FURNACE, S919 NO. 19 FURNACE, S951 NO. 51 FURNACE, S971–NO. 53 FURNACE, S972–NO. 54 FURNACE, S973–NO. 56 FURNACE, S974–NO. 55 FURNACE,

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
9-10-502.1	CEMS for NOx, CO, and O2	N	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	N	
9-10-505	Reporting	N	
SIP Regulation 9, Rule 10	**Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon Monoxide from Boilers, Steam Generators, and Process Heaters in Petroleum Refineries (1/5/94)**		
9-10-502	Monitoring	Y	
BAAQMD Regulation 10 Subpart A	**NSPS Incorporation by Reference, General Provisions (02/16/2000)**		
BAAQMD Regulation 10 Subpart J	**NSPS Incorporation by Reference, Petroleum Refineries (02/16/2000)**		
NSPS 40 CFR 60 Subpart A	**Standards of Performance for New Stationary Sources, General Provisions (~~12/23/71~~8/27/2001)**	Y	
60.7	Notification and Recordkeeping	Y	
60.8	Performance Tests	Y	
60.9	Availability of Information	Y	
60.11	Compliance with standards and maintenance requirements	Y	
60.11(a)	Compliance with standards and maintenance requirements	Y	
60.11(d)	Good Operating Practice	Y	
60.12	Circumvention	Y	
60.13	Monitoring Requirements	Y	
NSPS 40 CFR 60 Subpart J	**Standards of Performance for Petroleum Refineries (~~7/1/00~~10/17/2000)**		
60.100	Applicability	Y	
60.100(a)	Applicability: Claus Sulfur Recovery Plants, FCCU Catalyst Regenerators at Refineries and Fuel Gas Combustion Devices and Fuel Gas Combustion Devices of Refineries	Y	

IV. Source-specific Applicable Requirements

Table IV – AF
Source-specific Applicable Requirements
S917 NO. 17 FURNACE, S919 NO. 19 FURNACE, S951 NO. 51 FURNACE, S971–NO. 53 FURNACE, S972–NO. 54 FURNACE, S973–NO. 56 FURNACE, S974–NO. 55 FURNACE,

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.100(b)	Applicability: Constructed/modified after 6/11/1973	Y	
60.104	Standards for Sulfur Oxides	Y	
60.104(a)(1)	Limit on hydrogen sulfide content in fuel gas burned in fuel gas combustion devices~~– fuel gas H2S concentration limited to 230 mg/dscm (0.10 gr/dscf) except~~ ~~– for gas burned as a result of process upset or gas burned at flares from~~ ~~– relief valve leaks or other emergency malfunctions~~	Y	
60.105	Monitoring of Emissions and Operations	Y	
60.105(a)	Continuous monitoring system requirements	Y	
60.105(a)(4)	monitoring requirement for H2S (dry basis) in fuel gas prior to combustion (in lieu of separate combustion device exhaust SO2 monitors as required by 60.105(a)(3))	Y	
60.105(e)	Periods of excess emissions for 60.7(c)	Y	
60.105(e)(3)	Excess emissions of sulfur dioxide from fuel gas combustion	Y	
60.105(e)(3)(ii)	excess H2S in fuel gas as measured under 60.105(a)(4)~~Excess SO_2 emission definitions for 60.7(c)~~	Y	
60.106	Test methods and procedures	Y	
60.106(a)	Performance test requirements	Y	
60.106(e)(1)	Compliance determination for H2S standards for fuel gas combustion devices	Y	
NSPS Title 40 Part 60 Appendix B	**NSPS 40 Part 60 Appendix B (01/12/2004)**		
Performance Specification 7	Specifications and Test Procedures for Hydrogen Sulfide Continuous Emission Monitoring Systems in Stationary Sources	Y	
NSPS Title 40 Part 60 Appendix F	**NSPS 40 Part 60 Appendix F (01/12/2004)**		
Procedure 1	QA Requirements for Gas Continuous Emission Monitoring Systems	Y	
BAAQMD Condition # 4357			
Part 1	Definitions (basis: definitions)	Y	

IV. Source-specific Applicable Requirements

Table IV – AF
Source-specific Applicable Requirements
S917 NO. 17 FURNACE, S919 NO. 19 FURNACE, S951 NO. 51 FURNACE, S971–NO. 53 FURNACE, S972–NO. 54 FURNACE, S973–NO. 56 FURNACE, S974–NO. 55 FURNACE,

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 2	Emissions	Y	
Part 3	Emission Reductions	Y	
Part 4	Monitoring and Source Testing	Y	
Part 5	Reporting and Recordkeeping	Y	
Part 7	Combustion Controls	Y	
Part 9	Sulfur Recovery Facilities	Y	
Part 10	Access (basis: cumulative increase, offsets, BACT)	Y	
Part 11	Enforcement (basis: cumulative increase, offsets, BACT)	Y	
Part 12	Miscellaneous (basis: cumulative increase, offsets)	Y	
Part 13	Severability (basis: cumulative increase, offsets, BACT)	Y	
Part 14	Environmental Management Plan (basis: cumulative increase, offsets, BACT)	Y	
BAAQMD Condition # 16685			
Part 1	Daily Firing rate limitations (basis: cumulative increase, Regulation 2-1-403)	Y	
Part 2	Fuel Use Record Keeping (basis: cumulative increase, Regulation 2-1-403)	Y	
BAAQMD Condition # 8077	**Listed conditions apply to sources named in each description**		
Part A2A	S-974 Start-Up and Shutdown Time and NOx Emission Limits (basis: cumulative increase, offsets)	Y	
Part A2B	Ammonia Injection Requirement at A-31 SCR abating S-973 and S-974	Y	
Part B4A	NSPS Subpart J applicability and H2S CEMS requirements for fuel gas supply for S951, S971, S972, S973, and S974 (basis: NSPS)	Y	
BAAQMD Condition # 18372			
Part 1	District Approved Flowmeter (Regulation 9-10-502.2)	Y	
Part 2	Natural Gas or Refinery Fuel Gas only (Regulation 9-10)	Y	
Part 3	Maximum Daily Firing Rate Limit (Regulation 9-10)	Y	

IV. Source-specific Applicable Requirements

Table IV – AF
Source-specific Applicable Requirements
S917 NO. 17 FURNACE, S919 NO. 19 FURNACE, S951 NO. 51 FURNACE, S971–NO. 53 FURNACE, S972–NO. 54 FURNACE, S973–NO. 56 FURNACE, S974–NO. 55 FURNACE,

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 20	S971 to be abated by A1433, A1433 requires CEM (Regulation 9-10)	Y	
Part 21	S972 to be abated by A1433, A1433 requires CEM (Regulation 9-10)	Y	
Part 22	S971 and S972 ammonia slip limit 20 ppmv (toxics)	Y	
Part 23	Recordkeeping (Regulation 9-10-504)	Y	
Part 27	Sources subject to Regulation 9-10 (basis: Regulation 9-10-301 & 305)	Y	~~1/1/05~~
Part 28	O2 monitor and recorder requirement (basis: Regulation 9-10-502)	Y	~~9/1/2004~~
Part 29	Operating condition requirements for those sources without CEM (basis: Regulation 9-10-502)	Y	~~1/1/05~~
Part 30	NOx box establishment requirements (basis: Regulation 9-10-502)	Y	~~1/1/05~~
Part 31	NOx box ranges (basis: Regulation 9-10-502)	Y	~~1/1/05~~
Part 32	NOx Box Deviations (basis: Regulation 9-10-502)	Y	~~1/1/05~~
Part 33	Source test requirements (basis: Regulation 9-10-502)	Y	~~1/1/05~~
Part 34	CO source test (basis: Regulation 9-10-502, 1-522)	Y	~~1/1/05~~
Part 35	CO results requires CEM (basis: Regulation 9-10-502, 1-522)	Y	~~1/1/05~~
Part 36	Source test records (basis: recordkeeping; Regulation 9-10-504)	Y	~~1/1/05~~
BAAQMD Condition # 19528			
Part 1	Throughput limit (basis: Regulation 2-1-234.3, Regulation 2-1-403 Regulation 2-6-503)	Y	
BAAQMD Condition # 21186	S917 No. 17 Furnace – No. 1 HDS Prefractionator Reboiler		
Part 1	Sample fuel gas for total reduced sulfur (TDS)	Y	
Part 2	Analyze and record total reducaed sulfur (TDS)	Y	
Part 3	TRS limit of 300 ppmvd	Y	

IV. Source-specific Applicable Requirements

Table IV – AF
Source-specific Applicable Requirements
S917 NO. 17 FURNACE, S919 NO. 19 FURNACE, S951 NO. 51 FURNACE, S971–NO. 53 FURNACE, S972–NO. 54 FURNACE, S973–NO. 56 FURNACE, S974–NO. 55 FURNACE,

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 4	Annual average TRS limit of 281 ppmvd	Y	
Part 5	Sampling and analysis to start 120 days after issuance of Permit to Operate	Y	
Part 6	Provide list of variables affecting TRS content of 100# fuel gas, description of vaiable, and control of variable	N	
Part 7	Recordkeeping	Y	

Table IV – AG
Source-specific Applicable Requirements
S952-INTERNAL COMBUSTION ENGINE, S953-INTERNAL COMBUSTION ENGINE, S954-INTERNAL COMBUSTION ENGINE, RICH BURNS ENGINES

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann Number 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Regulation 9, Rule 1	**Inorganic Gaseous Pollutants - Sulfur Dioxide (3/15/95; SIP approved 5/20/92))**		
9-1-301	Limitations on Ground Level Concentrations	Y	
BAAQMD Regulation 9, Rule 8	**Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon Monoxide from Stationary Internal Combustion Engines (1/20/93)**		
9-8-110	Exemptions	Y	
9-8-111	Limited Exemptions	Y	
9-8-205	Definition: Rich-Burn: Exhaust O_2 < 4 %vol.	Y	

IV. Source-specific Applicable Requirements

Table IV – AG
Source-specific Applicable Requirements
S952-INTERNAL COMBUSTION ENGINE, S953-INTERNAL COMBUSTION ENGINE, S954-INTERNAL COMBUSTION ENGINE, RICH BURNS ENGINES

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
9-8-206	Definition: Lean-Burn: Exhaust $O_2 \geq 4$ %vol.	Y	
9-8-301	Emission Limits - Fossil Derived Fuel Gas	Y	
9-8-301.1	NOx Limits for Rich Burn Engines	Y	
9-8-301.3	CO Limits	Y	
40 CFR 61.349	**Standards: Closed-vent systems and control devices**	**Y**	
40 CFR 61.349(a)(1)(i)	Fugitives: Closed vent-vent system to operate with no detectable emissions as indicated by instrument reading of less than 500 ppmv as per method in 61.355(h)	Y	
40 CFR 61.349(a)(1)(iiI)	Closed Vent System Gauging and Sampling Devices	Y	
40 CFR 61.349(a)(1)(iv)	Closed Vent System Devices Venting to Atmosphere	Y	
40 CFR 61.349(a)(2)(i)	Combustion Device Design	Y	
40 CFR 61.349(a)(2)(i)(A)	Reduce organic emissions by 95 weight percent or greater	Y	
40 CFR 61.349(a)(2)(i)(B)	Achieve a total organic compound concentration of 20 ppmv (Method 18) on a dry basis corrected to 3 percent oxygen or	Y	
40 CFR 61.349(a)(2)(i)(C)	Provide a minimum residence time of 0.5 seconds at a minimum temperature of 760C (1400F). If a boiler or process heater is used as the control device, then the vent stream shall be introduced into the flame zone.	Y	
40 CFR 61.349(a)(2)(ii)	Vapor Recovery Efficiency of carbon adsorption or condenser shall recover or control organic emissions with an efficiency of 95 weight percent or greater, or shall recover or control the benzene emissions vented to it with an efficiency of 98 weight percent or greater.	Y	
40 CFR 61.349(b)	Control Device Operation	Y	
40 CFR 61.349(c)	Control Device Compliance Demonstration	Y	
40 CFR	Control Device Engineering Calculations	Y	

IV. Source-specific Applicable Requirements

Table IV – AG
Source-specific Applicable Requirements
S952-INTERNAL COMBUSTION ENGINE, S953-INTERNAL COMBUSTION ENGINE, S954-INTERNAL COMBUSTION ENGINE, RICH BURNS ENGINES

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
61.349(c)(1)			
40 CFR 61.349(c)(2)	Control Device Performance Tests	Y	
40 CFR 61.349(e)	Control Device: Adminstrator may request demonstration of applicable conditions in (a)(2) of this section by conducting a performance test using test methods and procedures in 61.355, and for control devices subject to (a)(2)(iv) of this section, the Adminstrator may specify alternative test methods and procedures, as appropriate.	Y	
40 CFR 61.349(f)	Quarterly Visual Inspection of Closed Vent System and Control Device	Y	
40 CFR 61.349(g)	Closed Vent System Repair	Y	
40 CFR 61.349(h)	Monitoring of control device used to comply with this section in accordance with 61.354(c).	Y	
BAAQMD Condition # 4357			
Part 1	Definitions	Y	
Part 2	Emissions (basis: cumulative increase, bubble, BACT)	Y	
Part 3A	Emission Reductions (basis: cumulative increase, bubble)	Y	
Part 3B	Emission Reductions (basis: cumulative increase, bubble)	Y	
Part 3C	Emission Reductions (basis: cumulative increase, bubble)	Y	
Part 3D	Emission Reductions (basis: cumulative increase, bubble)	Y	
Part 3E	Emission Reductions (basis: cumulative increase, bubble, offsets)	Y	
Part 3F	Emission Reductions (basis: cumulative increase, bubble, offsets)	Y	
Part 5A	Reporting and Record Keeping (basis: cumulative increase, offsets)	Y	
Part 5B	Reporting and Record Keeping (basis: cumulative increase, offsets)	Y	
Part 5C	Reporting and Record Keeping (basis: cumulative increase, offsets)	Y	
Part 8A	Hydrocarbon Controls	Y	
Part 10	Access (basis: cumulative increase, offsets, BACT)	Y	
Part 11	Enforcement (basis: cumulative increase, offsets, BACT)	Y	
Part 12	Miscellaneous (basis: cumulative increase, offsets)	Y	
Part 13	Severability (basis: cumulative increase, offsets, BACT)	Y	
Part 14	Environmental Management Plan (basis: cumulative increase, offsets,	Y	

IV. Source-specific Applicable Requirements

Table IV – AG
Source-specific Applicable Requirements
S952-INTERNAL COMBUSTION ENGINE, S953-INTERNAL COMBUSTION ENGINE, S954-INTERNAL COMBUSTION ENGINE, RICH BURNS ENGINES

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	BACT)		
BAAQMD Condition # 19528			
Part 1	Throughput limit (basis: Regulation 2-1-234.3, Regulation 2-1-403 Regulation 2-6-503)	Y	
Part 7	Source test twice per year	Y	~~**July 31, 2005**~~

Table IV – AH
Source-specific Applicable Requirements
S955-INTERNAL COMBUSTION ENGINE, S956-INTERNAL COMBUSTION ENGINE, S957-INTERNAL COMBUSTION ENGINE, S958-INTERNAL COMBUSTION ENGINE, S959-INTERNAL COMBUSTION ENGINE, S960-INTERNAL COMBUSTION ENGINE, LEAN BURN ENGINES

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann Number 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Regulation 9, Rule 1	**Inorganic Gaseous Pollutants - Sulfur Dioxide (3/15/95; SIP approved 5/20/92))**		
9-1-301	Limitations on Ground Level Concentrations	Y	
BAAQMD Regulation 9, Rule 8	**Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon Monoxide from Stationary Internal Combustion Engines (1/20/93)**		

IV. Source-specific Applicable Requirements

Table IV – AH
Source-specific Applicable Requirements
S955-INTERNAL COMBUSTION ENGINE, S956-INTERNAL COMBUSTION ENGINE, S957-INTERNAL COMBUSTION ENGINE, S958-INTERNAL COMBUSTION ENGINE, S959-INTERNAL COMBUSTION ENGINE, S960-INTERNAL COMBUSTION ENGINE, LEAN BURN ENGINES

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
9-8-110	Exemptions	Y	
9-8-111	Limited Exemptions	Y	
9-8-205	Definition: Rich-Burn: Exhaust O_2 < 4 %vol.	Y	
9-8-206	Definition: Lean-Burn: Exhaust $O_2 \geq 4$ %vol.	Y	
9-8-301	Emission Limits - Fossil Derived Fuel Gas	Y	
9-8-301.2	NOx Limits for Lean Burn Engines	Y	
9-8-301.3	CO Limits	Y	
BAAQMD Condition # 13509			
Part 1	Requirement to fire only natural gast (basis: toxics)	Y	
Part 2	Limitation on NOx emissions(basis: Regulation 9-8)	Y	
Part 3	Limitation on CO emissions (basis: Regulation 9-8)	Y	
Part 4	Record Keeping (basis: Regulation 9-8)	Y	
BAAQMD Condition # 19528			
Part 1	Throughput limit (basis: Regulation 2-1-234.3, Regulation 2-1-403 Regulation 2-6-503)	Y	
Part 7	Source test twice per year	Y	~~**July 31, 2005**~~

IV. Source-specific Applicable Requirements

Table IV – AF1
Source-specific Applicable Requirements
S991-NO. 57 FURNACE~~, S1106-NO. 72 FURNACE, S1470-NO. 71 FURNACE~~

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 1	**General Provisions and Definitions (~~11/15/00~~7/19/2006)**		
1-520	Continuous Emission Monitoring ~~(applies to S1106 and S1470)~~	Y	
1-520.8	Monitors pursuant to Regulation 2-1-403 ~~(applies to S1106 and S1470)~~	Y	
1-521	Monitoring May Be Required ~~(applies to S1106 and S1470)~~	Y	
1-522	Continuous Emission Monitoring and Recordkeeping Procedures ~~(applies to S1106 and S1470)~~	N	
1-602	Area and Continuous Monitoring Requirements ~~(applies to S1106 and S1470)~~	N	
SIP Regulation 1	**PROVISIONS NO LONGER IN CURRENT RULE General Provisions and Definitions (6/28/99)**		
1-522	Continuous Emission Monitoring and Recordkeeping Procedures ~~(applies to S1106 and S1470)~~	Y	
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particle Weight Limitation	Y	
BAAQMD Regulation 9, Rule 1	**Inorganic Gaseous Pollutants - Sulfur Dioxide (3/15/95; SIP approved 6/8/99)**		
BAAQMD Regulation 10 Subpart A	**NSPS Incorporation by Reference, General Provisions (02/16/2000)**		
BAAQMD Regulation 10 Subpart J	**NSPS Incorporation by Reference, Petroleum Refineries (02/16/2000)**		
NSPS 40 CFR 60 Subpart A	**Standards of Performance for New Stationary Sources (~~12/23/71~~8/27/2001)**	Y	
60.7	Notification and Recordkeeping	Y	
60.8	Performance Tests	Y	

IV. Source-specific Applicable Requirements

Table IV – AF1
Source-specific Applicable Requirements
S991-NO. 57 FURNACE~~, S1106-NO. 72 FURNACE, S1470-NO. 71 FURNACE~~

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.9	Availability of Information	Y	
60.11	Compliance with standards and maintenance requirements	Y	
60.11(a)	Compliance with standards and maintenance requirements	Y	
60.11(d)	Good Operating Practice	Y	
60.12	Circumvention	Y	
60.13	Monitoring Requirements	Y	
NSPS 40 CFR 60 Subpart J	**Standards of Performance for Petroleum Refineries (10/17/20~~07/1~~00)**		
60.100	Applicability	Y	
60.100(a)	Applicability: Claus Sulfur Recovery Plants, FCCU Catalyst Regenerators at Refineries and Fuel Gas Combustion Devices and Fuel Gas Combustion Devices of Refineries	Y	
60.100(b)	Applicability: Constructed/modified after 6/11/1973	Y	
60.104	Standards for Sulfur Oxides	Y	
60.104(a)(1)	Limit on hydrogen sulfide content in fuel gas burned in fuel gas combustion devices~~– fuel gas H2S concentration limited to 230 mg/dscm (0.10 gr/dscf) except – for gas burned as a result of process upset or gas burned at flares from – relief valve leaks or other emergency malfunctions~~	Y	
60.105	Monitoring of Emissions and Operations	Y	
60.105(a)	Continuous monitoring system requirements	Y	
60.105(a)(4)	monitoring requirement for H2S (dry basis) in fuel gas prior to combustion (in lieu of separate combustion device exhaust SO2 monitors as required by 60.105(a)(3))	Y	
60.105(e)	Periods of excess emissions for 60.7(c)	Y	
60.105(e)(3)	Excess emissions of sulfur dioxide from fuel gas combustion	Y	
60.105(e)(3)(ii)	Excess SO_2 emission definitions for 60.7(c)	Y	
60.106	Test methods and procedures	Y	
60.106(a)	Performance test requirements	Y	
60.106(e)(1)	Compliance determination for H2S standards for fuel gas combustion devices	Y	

IV. Source-specific Applicable Requirements

Table IV – AF1
Source-specific Applicable Requirements
S991-NO. 57 FURNACE~~, S1106-NO. 72 FURNACE, S1470-NO. 71 FURNACE~~

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
NSPS Title 40 Part 60 Appendix B	**NSPS 40 Part 60 Appendix B (01/12/2004)**		
Performance Specification 7	Specifications and Test Procedures for Hydrogen Sulfide Continuous Emission Monitoring Systems in Stationary Sources	Y	
NSPS Title 40 Part 60 Appendix F	**NSPS 40 Part 60 Appendix F (01/12/2004)**		
Procedure 1	QA Requirements for Gas Continuous Emission Monitoring Systems	Y	
BAAQMD Condition # 4357	(Applies to S991 only)		
Part 1	Definitions	Y	
Part 2	Emissions (basis: cumulative increase, bubble, BACT)	Y	
Part 3A	Emission Reductions (basis: cumulative increase, bubble)	Y	
Part 3B	Emission Reductions (basis: cumulative increase, bubble)	Y	
Part 3C	Emission Reductions (basis: cumulative increase, bubble)	Y	
Part 3D	Emission Reductions (basis: cumulative increase, bubble)	Y	
Part 3E	Emission Reductions (basis: cumulative increase, bubble, offsets)	Y	
Part 3F	Emission Reductions (basis: cumulative increase, bubble, offsets)	Y	
Part 4A	Monitoring and Source Testing (toxics, NSPS)	Y	
Part 4B	Monitoring and Source Testing (basis: cumulative increase, offsets, BACT)	Y	
Part 4C	Monitoring and Source Testing (basis: cumulative increase, offsets, BACT, bubble)	Y	
Part 4D	Monitoring and Source Testing (basis: cumulative increase, offsets)	Y	
Part 4E	Monitoring and Source Testing (basis: cumulative increase, offsets, BACT)	Y	
Part 4F	Monitoring and Source Testing (basis: cumulative increase, offsets, BACT)	Y	
Part 5A	Reporting and Record Keeping (basis: cumulative increase, offsets)	Y	
Part 5B	Reporting and Record Keeping (basis: cumulative increase, offsets)	Y	
Part 5C	Reporting and Record Keeping (basis: cumulative increase, offsets)	Y	

IV. Source-specific Applicable Requirements

Table IV – AF1
Source-specific Applicable Requirements
S991-NO. 57 FURNACE~~, S1106-NO. 72 FURNACE, S1470-NO. 71 FURNACE~~

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 6A	Process Unit Design (basis: cumulative increase)	Y	
Part 7	Combustion Controls	Y	
Part 10	Access (basis: cumulative increase, offsets, BACT)	Y	
Part 11	Enforcement (basis: cumulative increase, offsets, BACT)	Y	
Part 12	Miscellaneous (basis: cumulative increase, offsets)	Y	
Part 13	Severability (basis: cumulative increase, offsets, BACT)	Y	
Part 14	Environmental Management Plan (basis: cumulative increase, offsets, BACT)	Y	
BAAQMD Condition # 8077			
Part B4A	NSPS Subpart J applicability and H2S CEMS requirements for fuel gas supply for S951, S971, S972, S973, and S974 (basis: NSPS)	Y	
~~BAAQMD Condition # 18539~~			
~~Part 1~~	~~Limitation on Fuel Use Type (basis: cumulative increase, toxics)~~	~~Y~~	
~~Part 2~~	~~Fuel Flow Meter Requirement (basis: cumulative increase)~~	~~Y~~	
~~Part 3~~	~~Requirement for Calorimeter (basis: BACT, cumulative increase, offsets, toxics)~~	~~Y~~	
~~Part 4~~	~~Total Reduced Sulfur Limit Annual Average (basis: cumulative increase, BACT, offsets)~~	~~Y~~	
~~Part 5~~	~~Total Reduced Sulfur Limit 24 Hour Average (basis: BACT)~~	~~Y~~	
~~Part 6~~	~~Total Reduced Sulfur Sampling Device Requirements (basis: BACT)~~	~~Y~~	
~~Part 7~~	~~Total Reduced Sulfur Sampling Frequency Requirement (basis: BACT)~~	~~Y~~	
~~Part 8~~	~~NOx Monitoring Requirement (basis: cumulative increase, BACT, offsets)~~	~~Y~~	
~~Part 9~~	~~Annual Fuel Use Limit (basis: cumulative increase, toxics, offsets)~~	~~Y~~	
~~Part 10~~	~~NOx Emission Limit (basis: BACT, cumulative increase, offsets)~~	~~Y~~	
~~Part 11~~	~~CO Emission Limit (basis: BACT, cumulative increase, offsets)~~	~~Y~~	
~~Part 12~~	~~POC Emission Limit (basis: cumulative increase, offsets)~~	~~Y~~	
~~Part 13~~	~~PM-10 Emission Limit (basis: cumulative increase, offsets)~~	~~Y~~	
~~Part 14~~	~~SO2 Emission Limit (basis: cumulative increase, BACT, offsets)~~	~~Y~~	
~~Part 15~~	~~Requirement that S1470 be Abated by A-908 (basis: BACT)~~	~~Y~~	

IV. Source-specific Applicable Requirements

Table IV – AF1
Source-specific Applicable Requirements
S991-NO. 57 FURNACE~~, S1106-NO. 72 FURNACE, S1470-NO. 71 FURNACE~~

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
~~Part 16~~	~~Ammonia Slip Limitation (basis: toxics)~~	~~Y~~	
~~Part 17~~	~~Start-Up Source Test Requirements (basis: cumulative increase, offset)~~	~~Y~~	
~~Part 18~~	~~Limit on the Annual Maximum Firing Rate of S908 (basis: cumulative increase)~~	~~Y~~	
~~Part 19~~	~~Prohibition on the Operation of S-906 and S-907 (basis: offsets)~~	~~Y~~	
~~Part 20~~	~~Offsets Required If Emissions Exceeded (basis: offsets)~~	~~Y~~	
~~**BAAQMD Condition # 19199**~~	~~Only parts H0 through H15 are applicable to S1106.~~		
~~Part H0~~	~~Maximum fuel firing rate limitation (basis: cumulative increase)~~	~~Y~~	
~~Part H1~~	~~Natural gas only (basis: cumulative increase, toxics)~~	~~Y~~	
~~Part H2~~	~~Requirement for fuel flowmeter (basis: cumulative increase, toxics)~~	~~Y~~	
~~Part H3~~	~~Maximum annual fuel use (basis: cumulative increase, toxics, offsets)~~	~~Y~~	
~~Part H4~~	~~NOx Emission Limit (basis: BACT, cumulative increase, offsets)~~	~~Y~~	
~~Part H5~~	~~CO Emission Limit (basis: BACT, cumulative increase, offsets)~~	~~Y~~	
~~Part H6~~	~~POC Emission Limit (basis: cumulative increase, offsets)~~	~~Y~~	
~~Part H7~~	~~PM-10 Emission Limit (basis: cumulative increase, offsets)~~	~~Y~~	
~~Part H8~~	~~SO2 Emission Limit (basis: cumulative increase, BACT, offsets)~~	~~Y~~	
~~Part H9~~	~~Abatement requirements for startup and shutdown (basis: BACT)~~	~~Y~~	
~~Part H10~~	~~Ammonia Slip Limitation (basis: toxics)~~	~~Y~~	
~~Part H11~~	~~NOx CEM requirements (basis: cumulative increase, BACT, offsets)~~	~~Y~~	
~~Part H12~~	~~CO Source test requirements (basis: startu-up, offsets, BACT, cumulative increase, toxics)~~	~~Y~~	
~~Part H13~~	~~NOx, CO, POC, SO2, ammonia, and PM10 source test requirements (basis: start-up, offsets, BACT, cumulative increase, toxics)~~	~~Y~~	
~~Part H14~~	~~Recordkeeping (basis: cumulative increase, offsets)~~	~~Y~~	
~~Part H15~~	~~Offsets requirements (basis: offsets)~~	~~Y~~	
BAAQMD Condition # 19528			
Part 1	Throughput limit (basis: Regulation 2-1-234.3, Regulation 2-1-403 Regulation 2-6-503)	Y	

IV. Source-specific Applicable Requirements

Table IV – AF1
Source-specific Applicable Requirements
S991-NO. 57 FURNACE~~, S1106-NO. 72 FURNACE, S1470-NO. 71 FURNACE~~

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Manual of Procedures, Volume V	**Continuous Emission Monitoring Policy and Procedures (1/20/82)**	Y	

Table IV – AJ
Source-specific Applicable Requirements
S1001-NO. 50 CRUDE UNIT

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Notes
BAAQMD Regulation 8 Rule 18	See Tables IV-X and IV-J for fugitives requirements		
BAAQMD Condition # 4357			
Part 3Aii	Reduced limit on crude throughput applicable when criteria in condition 4357 part 2 is met. (basis: cumulative increase, bubble, offsets)	Y	
BAAQMD Condition # 8077			
Part B3Aii	Reduced limit on crude throughput applicable when criteria in condition 8077 part B2 is met. (basis: cumulative increase, bubble, offsets)	Y	
BAAQMD Condition # 19528			
Part 1	Throughput limit (basis: Regulation 2-1-234.3, Regulation 2-1-403 Regulation 2-6-503)	Y	
BAAQMD Condition 21751	Ultra Low Sulfur Diesel Project (startup conditions)		

IV. Source-specific Applicable Requirements

Table IV – AJ
Source-specific Applicable Requirements
S1001-NO. 50 CRUDE UNIT

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Notes
Part 1	Within 30 days of startup of the Ultra Low Sulfur Diesel Project, provide the District with final fugitive count (basis: cumulative increase, offsets)	Y	
Part 2	If components count differs, reconcile offsets (basis: offsets)	Y	
Part 3	BACT compliant technology for light hydrocarbon service valves, fugitive organics shall not exceed 100 ppm (basis: BACT, Reg. 8-18)	Y	
Part 4	BACT compliant technology for light hydrocarbon service flanges and connectors, fugitive organics shall not exceed 100 ppm (basis: BACT, Reg. 8-18)	Y	
Part 5	BACT compliant technology for light hydrocarbon service pump seals, fugitive organics shall not exceed 500 ppm (basis: BACT, Reg. 8-18)	Y	
Part 6	BACT compliant technology for light hydrocarbon service compressor seals, fugitive organics shall not exceed 500 ppm (basis: BACT, Reg. 8-18)	Y	
Part 7	Pressure relief valves shall be vented to the refinery fuel gas system or abatement device w/ capture and destruction efficiency of at least 98% by weight (basis: BACT, Reg. 8-28)	Y	
Part 8	Integrate all new fugitive equipment in organic service installed into facility fugitive equipment monitoring and repair program (basis: BACT, Reg. 8-18)	Y	

Table IV – AJ
Source-specific Applicable Requirements
S1002-NO. 1 HDS UNIT

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Notes
BAAQMD Condition # 8350			
Part A1	Feed Throughput Limit (basis: cumulative increase)	Y	
Part A2	Fugitive Component Count (basis: cumulative increase)	Y	
Part A3	Pressure Relief Valves (basis: cumulative increase, BACT)	Y	

IV. Source-specific Applicable Requirements

Table IV – AJ
Source-specific Applicable Requirements
S1002-NO. 1 HDS UNIT

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Notes
Part A4	Record Keeping (basis: cumulative increase)	Y	
BAAQMD Condition # 19528			
Part 1	Throughput limit (basis: Regulation 2-1-234.3, Regulation 2-1-403 Regulation 2-6-503)	Y	

Table IV – AJ
Source-specific Applicable Requirements
S1003-NO. 2 HDS UNIT

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Notes
BAAQMD Condition # 8350			
Part B1	Feed Throughput Limit (basis: cumulative increase)		
Part B2	Fugitive Component Count (basis: cumulative increase)		
Part B3	Pressure Relief Valves (basis: cumulative increase, BACT)		
Part B4	Record Keeping (basis: cumulative increase)		
BAAQMD Condition # 19528			
Part 1	Throughput limit (basis: Regulation 2-1-234.3, Regulation 2-1-403 Regulation 2-6-503)	Y	
BAAQMD Condition 21751	Ultra Low Sulfur Diesel Project (startup conditions)		
Part 1	Within 30 days of startup of the Ultra Low Sulfur Diesel Project, provide the District with final fugitive count (basis: cumulative increase, offsets)	Y	
Part 2	If components count differs, reconcile offsets (basis: offsets)	Y	

IV. Source-specific Applicable Requirements

Table IV – AJ
Source-specific Applicable Requirements
S1003-NO. 2 HDS UNIT

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Notes
Part 3	BACT compliant technology for light hydrocarbon service valves, fugitive organics shall not exceed 100 ppm (basis: BACT, Reg. 8-18)	Y	
Part 4	BACT compliant technology for light hydrocarbon service flanges and connectors, fugitive organics shall not exceed 100 ppm (basis: BACT, Reg. 8-18)	Y	
Part 5	BACT compliant technology for light hydrocarbon service pump seals, fugitive organics shall not exceed 500 ppm (basis: BACT, Reg. 8-18)	Y	
Part 6	BACT compliant technology for light hydrocarbon service compressor seals, fugitive organics shall not exceed 500 ppm (basis: BACT, Reg. 8-18)	Y	
Part 7	Pressure relief valves shall be vented to the refinery fuel gas system or abatement device w/ capture and destruction efficiency of at least 98% by weight (basis: BACT, Reg. 8-28)	Y	
Part 8	Integrate all new fugitive equipment in organic service installed into facility fugitive equipment monitoring and repair program (basis: BACT, Reg. 8-18)	Y	

Table IV – AJi
Source-specific Applicable Requirements
S1004-NO. 2 CATALYTIC REFORMER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 10	**Organic Compound – Process Vessel Depressurization (1/21/2004)**		
8-10-301	Depressurization Control Options	N	
8-10-302	Opening of Process Vessels	N	
8-10-302.1	organic compounds cannot exceed 10,000 ppm (methane) prior to release to atmosphere	N	
8-10-302.2	Organic compound concentration of a refinery process vessel may exceed 10,000 ppm prior to release to atmosphere provided total number of such vessels during 5-year period does not exceed 10%	N	

IV. Source-specific Applicable Requirements

Table IV – AJi
Source-specific Applicable Requirements
S1004-NO. 2 CATALYTIC REFORMER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-10-401	Turnaround Records. Annual report due February 1 of each year with initial report of process vessels due 4/1/2004.	N	
8-10-501	Monitoring prior to and during process vessel opening	Y	
8-10-502	Concentration measurement using EPA Method 21	Y	
8-10-503	Recordkeeping	N	
8-10-601	Monitoring Procedures	N	
SIP Regulation 8, Rule 10	**Organic Compounds – Process Vessel Depressurization (7/20/83)**		
8-10-301	Process Vessel Depressurizing	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	Recordkeeping	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	
NESHAPS Title 40 Part 63 Subpart UUU	**National Emission Standards for Hazardous Air Pollutants for Petroleum Refineries: Catalytic Cracking Units, Catalytic Reforming Units, and Sulfur Recovery Units (4/11/2002)**	**Y**	
63.1562(f)	This subpart does not apply to:	Y	
63.1562(f)(5)	Regeneration vent used during unit depressuring and purging, when vent is routed to fuel gas system	Y	
63.1567	Requirements for Inorganic HAP Emissions from Catalytic Reforming Units	Y	
63.1567(a)	Emission Limitations and Work Practice Standards	Y	
63.1567(a)(1)	Emission limitation options during coke burn-off and catalyst rejuvenation	Y	
63.1567(a)(1)(ii)	Emission Limitations during coke burn-off and catalyst rejuvenation for existing semi-regenerative catalytic reforming unit – HCl concentration limit: Reduce uncontrolled HCl emissions to a concentration of 30 ppmvd corrected to 3%O2 (Table 22 Option 1)	Y	

IV. Source-specific Applicable Requirements

Table IV – AJi
Source-specific Applicable Requirements
S1004-NO. 2 CATALYTIC REFORMER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.1567(a)(2)	Operating limits for internal scrubbing system or no control device meeting outlet HCl concentration limit: Daily average HCl concentration in catalyst regenerator exhaust gas must not exceed limit established during performance test (Table 23, Item 2)	Y	
63.1567(a)(3)	Prepare Operation, Maintenance, and Monitoring Plan and operate in compliance with the plan	Y	
63.1567(b)	Initial Compliance Demonstration with emission limitations and work practice standards	Y	
63.1567(b)(1)	Demonstrate initial compliance for internal scrubbing system or no control device meeting outlet HCl concentration limit: Install and operate a colormetric tube sampling system (complying with Table 41, Item 2) to measure HCl concentration in the catalyst regenerator exhaust gas during coke burn-off and catalyst rejuvenation. (Table 24, Item 2)	Y	
63.1567(b)(2)	Demonstrate initial compliance with performance test for concentration standard: measure HCl concentration at the outlet of the scrubber and comply with the requirements for semi-regenerative units (Table 25, Item 1))	Y	
63.1567(b)(3)	Demonstrate initial compliance with performance test for concentration standard: Establish operating limits for internal scrubbing system or no control device meeting HCl outlet concentration limit: measure and recordHCl concentration in catalyst regenerator exhaust gas using colormetric tube sampling system at least three times during each test run. Determine and record averagel HCl concentration for each test run. Determine and record average HCl concentration for the overall source test. Determine and record the operating limit for HCl concentration using Equation 4 of 63.1567. (Table 25, Item 3)	Y	
63.1567(b)(4)	Demonstrate initial compliance with emission limitations: use equations to reduce performance test data	Y	
63.1567(b)(4)(i)	Demonstrate initial compliance with emission limitations: use equations to reduce performance test data – correct measured HCl concentration for O2 content	Y	
63.1567(b)(5)	Demonstrate initial compliance with emission limitation if average HCl emissions during performance test using Method 26 are <= 30 ppmvd corrected to 3% O2. (Table 26, Option 1)	Y	

IV. Source-specific Applicable Requirements

Table IV – AJi
Source-specific Applicable Requirements
S1004-NO. 2 CATALYTIC REFORMER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.1567(b)(6)	Demonstrate initial compliance with work practice standard by submitting Operation, Maintenance, and Monitoring Plan	Y	
63.1567(b)(7)	Submit Notice of Initial Compliance Status containing results of initial compliance demonstration	Y	
63.1567(c)	Continuous compliance demonstration with emission limitations and work practice standards	Y	
63.1567(c)(1)	Demonstrate continuous compliance with emission limitation and operating limits: maintain HCl concentration <= 30 ppmvd corrected to 3% O2 (Table 27, Item 1) and measure and record the HCl concentration at least 4 times during a regeneration cycle or every 4 hours whichever is more frequent using colormetric tube sampling system. Calculate daily average HCl concentration and maintain below applicable operating limit (Table 28, Item 2)	Y	
63.1567(c)(2)	Demonstrate continuous compliance with work practice standard by maintaining records to document conformance with the Operation, Maintenance, and Monitoring Plan	Y	
63.1570	General Compliance Requirements	Y	
63.1570(a)	Operate in compliance with non-opacity standards at all times except during periods of startup, shutdown, and malfunction, as specified in 63.6(f)(1)	Y	
63.1570(c)	Operate and maintain source including pollution control and monitoring equipment in accordance with 63.6(e)(1).	Y	
63.1570(d)	Develop and implement startup, shutdown, and malfunction plan (SSMP) in accordance with 63.6(e)(3)	Y	
63.1570(e)	Operate in accordance with SSMP during periods of startup, shutdown, and malfunction	Y	
63.1570(f)	Report deviations from compliance with this subpart according to the requirements of 63.1575	Y	
63.1570(g)	Deviations that occur during startup, shutdown, or malfunction are not violations if operating in accordance with SSMP	Y	
63.1571	Performance Tests	Y	
63.1571(a)	Conduct Performance Test and submit results no later than 150 days after compliance date	Y	
63.1571(b)	Requirements for Performance Tests	Y	

IV. Source-specific Applicable Requirements

Table IV – AJi
Source-specific Applicable Requirements
S1004-NO. 2 CATALYTIC REFORMER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.1571(b)(1)	Conduct performance tests in accordance with the requirements of 63.7(e)(1)	Y	
63.1571(b)(2)	Except for opacity and visual emissions observations, conduct three separate test runs of at least an hour for each performance test	Y	
63.1571(b)(4)	Performance tests not conducted during periods of startup, shutdown, or malfunction	Y	
63.1571(b)(5)	Arithmetic average of emission rates	Y	
63.1571(d)	Adjustment for measured values	Y	
63.1571(d)(4)	Adjust process or control device measured values when establishing operating limit (optional)	Y	
63.1571(e)	Changes to Operating limits (optional)	Y	
63.1572	Monitoring installation, operation, and maintenance requirements	Y	
63.1572(c)	Continuous parameter monitoring system (CPMS) requirements	Y	
63.1572(c)(1)	Follow manufacturer's specifications to install, operate, and maintain continuous parameter monitoring systems	Y	
63.1572(c)(2)	CPMS must complete a minimum of one cycle for each 15-minute period; four cycles of operation for a valid hour of data	Y	
63.1572(c)(3)	Valid hourly data required at least 75% of process operating hours	Y	
63.1572(c)(4)	CPMS must determine and record hourly and daily average of all recorded readings	Y	
63.1572(c)(5)	CPMS must record results of inspection, calibration, and validation check	Y	
63.1572(d)	Data monitoring and collection requirements	Y	
63.1572(d)(1)	Conduct monitoring at all times source is operating except for monitoring malfunctions, repairs, and QA/QC activities	Y	
63.1572(d)(2)	Do not use data recorded during monitoring malfunctions, repairs, and QA/QC activities	Y	
63.1573	Monitoring Alternatives	Y	
63.1573(c)	Automated data compression system (optional)	Y	
63.1573(d)	Monitoring for alternative parameters (optional)	Y	
63.1573(e)	Alternative Monitoring Requests (optional)	Y	
63.1574	Notification Requirements	Y	
63.1574(a)	Notifications Required by Subpart A	Y	

IV. Source-specific Applicable Requirements

Table IV – AJi
Source-specific Applicable Requirements
S1004-NO. 2 CATALYTIC REFORMER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.1574(a)(2)	Submit notification of intent to conduct performance test 30 days before scheduled (instead of 60 days)	Y	
63.1574(a)(3)	Notification of Compliance Status	Y	
63.1574(a)(3)(ii)	Submit Notification of Compliance Status for initial compliance demonstration that includes a performance test, no later than 150 days after source compliance date	Y	
63.1574(d)	Information to be Submitted in Notice of Compliance Status (Table 42): identification of affected sources and emission points (Item 1); initial compliance demonstration (Item 2); continuous compliance (Item 3)	Y	
63.1574(f)	Requirement to prepare Operation, Maintenance, and Monitoring Plan	Y	
63.1574(f)(1)	Submit plan to permitting authority for review and approval along with NOCS. Include duty to prepare and implement plan into Part 70 or 71 permit.	Y	
63.1574(f)(2)	Minimum contents of Operation, Maintenance, and Monitoring Plan	Y	
63.1575	Reports	Y	
63.1575(a)	Required reports: Statement that there were no deviations or report including information in 1575(d) or (e) (Table 43, Item 1)	Y	
63.1575(b)	Specified semiannual report submittal dates	Y	
63.1575(c)	Information required in compliance report	Y	
63.1575(d)	Information required for deviations from emission limitations and work practice standards where CEMS or COMS **is not** used to comply with emission limitation or work practice standard	Y	
63.1575(f)	Additional information for compliance reports	Y	
63.1575(g)	Submittal of reports required by other regulations in place of or as part of compliance report if they contain the required information	Y	
63.1575(h)	Reporting requirements for startups, shutdowns, and malfunctions	Y	
63.1576	Recordkeeping	Y	
63.1576(a)	Required Records – General	Y	
63.1576(d)	Records required by Tables 20, 21, 27, and 28 of Subpart UUU for catalytic reforming units	Y	
63.1576(e)	Maintain copy of Operation, Maintenance, and Monitoring Plan and records to show continuous compliance with plan	Y	
63.1576(f)	Records of changes that affect emission control system performance	Y	
63.1576(g)	Records in a form suitable and readily available for review	Y	
63.1576(h)	Maintain records for 5 years	Y	

IV. Source-specific Applicable Requirements

Table IV – AJi
Source-specific Applicable Requirements
S1004-NO. 2 CATALYTIC REFORMER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.1576(i)	Records onsite for two years; may be maintained offsite for remaining 3 years	Y	
BAAQMD Condition # 19528			
Part 1	Throughput limit (basis: Regulation 2-1-234.3, Regulation 2-1-403 Regulation 2-6-503)	Y	

Table IV – AI
Source-specific Applicable Requirements
S1005-NO. 1 HYDROGEN PLANT, S1038 BENZENE SATURATION UNIT, S1040 BUTADIENE PLANT

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Notes
BAAQMD Regulation 8, Rule 2	**Organic Compounds, Miscellaneous Operations: S1005 No. 1 Hydrogen Plant CO2 Vents #1 and #2**		
8-2-301	Miscellaneous Operations: emissions shall not exceed 15 lb/day and 300 ppm total carbon on a dry basis	Y	
BAAQMD Condition # 19528			
Part 1	Throughput limit (basis: Regulation 2-1-234.3, Regulation 2-1-403 Regulation 2-6-503)	Y	
BAAQMD Condition # 22070	S-1005 No. 1 Hydrogen Plant (CO2 Vents)		
Part 1	Annual source test on S-1005 No. 1 Hydrogen Plant CO2 Vent #1 and CO2 Vent #2 to demonstrate compliance with Regulation 8-2-301. (Basis: Regulation 2-6-409.2)	Y	

IV. Source-specific Applicable Requirements

Table IV – AI
Source-specific Applicable Requirements
S1005-NO. 1 HYDROGEN PLANT, S1038 BENZENE SATURATION UNIT, S1040 BUTADIENE PLANT

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Notes
BAAQMD Condition # 23258	S-1038 Benzene Saturation Unit		
Part 1	Throughput limit (basis: Cumulative Increase)	Y	
Part 2	Comply with BAAQMD Regulation 8, Rule 18	Y	
Part 3	POC emission limit (basis: Cumulative Increase)	Y	
Part 4	Pressure Relief Valve requirements (basis: BAAQMD Regulation 8, Rule 28)	Y	
Part 5	Recordkeeping Requirements (basis: Cumulative Increase)	Y	

Table IV – AJ
Source-specific Applicable Requirements
S1006-NO. 1 HDA UNIT

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Notes
BAAQMD Condition # 8350			
Part C1	Feed Throughput Limit (basis: cumulative increase)		
Part C2	Fugitive Component Count (basis: cumulative increase)		
Part C3	Pressure Relief Valves (basis: cumulative increase, BACT)		
Part C4	Record Keeping (basis: cumulative increase)		
BAAQMD Condition # 19528			
Part 1	Throughput limit (basis: Regulation 2-1-234.3, Regulation 2-1-403 Regulation 2-6-503)	Y	

IV. Source-specific Applicable Requirements

Table IV – AK
Source-specific Applicable Requirements
S1007-HYDROCRACKER UNIT, S1008-HDN UNIT

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Notes
BAAQMD Condition # 1910			
Part 1	Prohibition Against Pressure Relief Valve Vent to Atmosphere (basis: cumulative increase, BACT)	Y	
Part 2	Fugitive Component Technology Requirements (basis: cumulative increase)	Y	
Part 3	Inspect IIR Compressor Leak Control shroud/clamp monthly (basis: Regulation 8-18-401.9)	Y	
BAAQMD Condition # 8077			
Part C1	Throughput Limit for each of S1007 and S1008 (basis: cumulative increase)	Y	
Part C2	Record keeping (basis: cumulative increase)	Y	
BAAQMD Condition # 19528			
Part 1	Throughput limit (basis: Regulation 2-1-234.3, Regulation 2-1-403 Regulation 2-6-503)	Y	

Table IV – AL
Source-specific Applicable Requirements
S1009-ALKYLATION UNIT

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Notes
BAAQMD Condition # 19528			
Part 1	Throughput limit (basis: Regulation 2-1-234.3, Regulation 2-1-403 Regulation 2-6-503)	Y	

IV. Source-specific Applicable Requirements

Table IV – AL
Source-specific Applicable Requirements
S1009-ALKYLATION UNIT

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Notes
BAAQMD Condition # 22693			
Part 1	Startup Condition: fugitive count (basis: cumulative increase, offsets))	Y	
Part 2	Startup Condition: offsets (basis: offsets)	Y	
Part 3	Emission limits for valves (basis: BACT, Regulation 8-18)	Y	
Part 4	Emission limits for flanges and connectors (basis: BACT, Regulation 8-18)	Y	
Part 5	Emission limits for pump seals (basis: BACT, Regulation 8-18)	Y	
Part 6	Emission limitations for relief valves (basis: BACT, Regulation 8-18)	Y	
Part 7	Integration of fugitives into the fugitive equipment monitoring and repair program (basis: BACT, Regulation 8-18)	Y	
Part 8	Pressure relief valves on the C-2 DIB column of S-1009 to be vented to V-104 at all times with gases vented to the Flare Header. Vented liquid shall be further processed at the refinery. (basis: Regulation 8-28-304.2)	Y	
Part 9	After startup of V-104, the 10" ti in line shall be blinded. (basis: Regulation 8-28-304.2)	Y	

Table IV – AM
Source-specific Applicable Requirements
S1025-BULK PLANT TRUCK/RAIL

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Notes
BAAQMD Regulation 8, Rule 33	**Organic Compounds-Gasoline bulk terminals and gasoline delivery vehicles (6/1/94)**		
8-33-301	Final gasoline bulk terminal limitations	Y	
8-33-302	Vapor Recovery System requirement	Y	
8-33-303	Bottom fill requirement	Y	
8-33-304	Delivery vehicle requirements	Y	
8-33-304.1	Vapor Integrity Requirement	Y	
8-33-304.2	Vapor recovery requirement	Y	

IV. Source-specific Applicable Requirements

Table IV – AM
Source-specific Applicable Requirements
S1025-BULK PLANT TRUCK/RAIL

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Notes
8-33-304.4	Purging requirement	Y	
8-33-305	Equipment Maintenance	Y	
8-33-306	Operating practices	Y	
8-33-307	Loading practices	Y	
8-33-309	Vapor Recovery System Requirements – Loading Rack	Y	
8-33-401	Equipment installation and modification	Y	
BAAQMD Condition # 19528			
Part 1	Throughput limit (basis: Regulation 2-1-234.3, Regulation 2-1-403 Regulation 2-6-503)		
BAAQMD Condition # 21849			
Part 1	Final fugitive count (basis: cumulative increase, offsets, toxics risk screen)	Y	
Part 2	Correct offsets if necessary (basis: offsets)	Y	
Part 3	Light hydrocarbon valves shall be BACT compliant, POC's shall not exceed 100 ppm (basis: BACT, Reg 8-18, toxics risk screen)	Y	
Part 4	Light hydrocarbon flanges and connectors shall be BACT compliant, POC's shall not exceed 100 ppm (basis: BACT, Reg 8-18, toxics risk screen)	Y	
Part 5	Light hydrocarbon pump seals shall be BACT compliant, POC's shall not exceed 500 ppm (basis: BACT, Reg 8-18, toxics risk screen)	Y	
Part 6	Light hydrocarbon pressure relief valves shall vent back to the refinery fuel gas system or abatement with POC capture and destruction of 98% by weight (basis: BACT, Reg 8-28, toxics risk screen)	Y	
Part 7	Integrate all new fugitives in organic service into the facility fugitive equipment monitoring and repair program (basis: BACT, Reg 8-18)	Y	
Part 8	Apply for proper certification from CARB for A-14 prior to startup (basis: Reg. 8-33-301, 302)	Y	
Part 9	Throughput limits (basis: cumulative incrase, offsets, toxics risk screen)	Y	
Part 10	Material to be transferred (basis: cumulative incrase, offsets, toxics risk screen)	Y	

IV. Source-specific Applicable Requirements

Table IV – AM
Source-specific Applicable Requirements
S1025-BULK PLANT TRUCK/RAIL

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Notes
Part 11	Limit of 0.02 lb POC per 1000 gal of material transferred: a) vent to S-613 or A-14 b) sample line from pressure-vacuum valves c) pressure switch at knockout pot, V-61 d) source tests (basis: cumulative increase, toxics risk screen, reg. 8-33-301, Reg. 1-238, BACT)	Y	
Part 12	Records and reporting	Y	

Table IV – AMa
Source-specific Applicable Requirements
S1504 BULK PLANT UNLOADING RACK

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Notes
BAAQMD Regulation 8, Rule 6	**Organic Compounds-Organic Liquid Bulk Terminals and Bulk Plants (2/2/94)**		
8-6-301	Bulk terminal limitations	Y	
8-6-302	Bulk plant limitations	Y	
8-6-302.1	Vapor Recovery Requirement	Y	
8-6-302.2	Submerged Fill Requirement	Y	
8-6-304	Deliveries to Storage Tanks	Y	
8-6-305	Delivery vehicle requirements	Y	
8-6-306	Equipment Maintenance	Y	
8-6-307	Operating practices	Y	
8-6-501	Records	Y	
BAAQMD Condition # 21849			
Part 1	Final fugitive count (basis: cumulative increase, offsets, toxics risk screen)	Y	
Part 2	Correct offsets if necessary (basis: offsets)	Y	

IV. Source-specific Applicable Requirements

Table IV – AMa
Source-specific Applicable Requirements
S1504 BULK PLANT UNLOADING RACK

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Notes
Part 3	Light hydrocarbon valves shall be BACT compliant, POC's shall not exceed 100 ppm (basis: BACT, Reg 8-18, toxics risk screen)	Y	
Part 4	Light hydrocarbon flanges and connectors shall be BACT compliant, POC's shall not exceed 100 ppm (basis: BACT, Reg 8-18, toxics risk screen)	Y	
Part 5	Light hydrocarbon pump seals shall be BACT compliant, POC's shall not exceed 500 ppm (basis: BACT, Reg 8-18, toxics risk screen)	Y	
Part 6	Light hydrocarbon pressure relief valves shall vent back to the refinery fuel gas system or abatement with POC capture and destruction of 98% by weight (basis: BACT, Reg 8-28, toxics risk screen)	Y	
Part 7	Integrate all new fugitives in organic service into the facility fugitive equipment monitoring and repair program (basis: BACT, Reg 8-18)	Y	
Part 13	Throughput limits (basis: cumulative increase, offsets, toxic risk screen)	Y	
Part 14	Material throughput	Y	
Part 15	Records	Y	

Table IV – AN
Source-specific Applicable Requirements
S1026-DNF AIR STRIPPER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 8	**Wastewater (Oil-Water) Separator**	**Y**	
8-8-307	Air Flotation Unit: any air flotation unit and/or pre-air flotation unit flocculation sump, basin, chamber or tank with a maximum allowable capacity greater than 400 gals/min unless is equipped with one of the following:	Y	
8-8-307.2	an organic compound vapor recovery system with a minimum combined collection/destruction efficiency of 70 % by weight.	Y	
BAAQMD Condition # 4587			

IV. Source-specific Applicable Requirements

Table IV – AN
Source-specific Applicable Requirements
S1026-DNF AIR STRIPPER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 1	Requirement for DAF Cover (basis: cumulative increase)	Y	
Part 2	Fan Operation and Abatement (basis: cumulative increase)	Y	
Part 3	Differential Pressure Controller Operation (basis: cumulative increase)	Y	
Part 4	Parallel Arrangement of Carbon Canisters (basis: toxics)	Y	
Part 5A	A-39 Non-methane Hydrocarbon Emission Limitation	Y	
Part 5B	A-38 Non-methane Hydrocarbon Emission Limitation	Y	
Part 6	Requirement for Continuous Hydrocarbon Monitor and Recorder	Y	
Part 7	Limitation on Hydrogen Sulfide Emissions to Atmosphere (basis: toxics)	Y	
Part 8	Schedule for Hydrocarbon and Hydrogen Sulfide Breakthrough	Y	
Part 9	Minimum Operating Temperature Requirements for A-39 (basis: cumulative increase, offsets)	Y	
Part 10	Requirement for a Continuous Temperature Monitor Recorder (basis: cumulative increase, offsets)	Y	
Part 11	Record Keeping (basis: cumulative increase, offsets)	Y	
BAAQMD Condition # 19528			
Part 1	Throughput limit (basis: Regulation 2-1-234.3, Regulation 2-1-403 Regulation 2-6-503)	Y	

Table IV – AO
Source-specific Applicable Requirements
S1100-METHYL TERTIARY BUTYL ETHER PLANT

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Notes
BAAQMD Condition # 10526			
Part A1	Limitation on Methyl Tertiary Butyl Ether Processing (basis: cumulative increase, toxics, offsets)	Y	

IV. Source-specific Applicable Requirements

Table IV – AO
Source-specific Applicable Requirements
S1100-METHYL TERTIARY BUTYL ETHER PLANT

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Notes
Part A2	Fugitive POC Emission Limitation (basis: cumulative increase, toxics, BACT, offsets)	Y	
Part A3	Requirement for Pressure Relief Valves to Vent to Flare Gas Recovery (basis: Regulation 8-28)	Y	
Part A4	Methanol Record Keeping (basis: cumulative increase, offsets)	Y	
Part A5	Monthly Calculation and Record Keeping Requirement for S-1100 MTBE Plant and for S-782 Methanol Storage Tank (basis: cumulative increase, offsets)	Y	
Part A6	Record Keeping (basis: cumulative increase, offsets)	Y	
BAAQMD Condition # 19199			
Part F0	Limitation on calendar day Iso-Octene production rate (basis: cumulative increase, toxics, offsets)	Y	
Part F1	Requirement to disclose actual fugitive device count (basis: cumulative increase, toxics, offsets)	Y	
Part F2	Provision to adjust cumulative increase and require additional offsets from Permittee/Owner/Operator (basis: offsets)	Y	
Part F3	Leak limit applicable to connectors (basis: BACT, Regulation 8-18)	Y	
Part F4	Leak limit applicable to valves (basis: BACT, Regulation 8-18)	Y	
Part F5	Leak limit applicable to pumps (basis: BACT, Regulation 8-18)	Y	
Part F6	Closed loop design requirement for sample systems and prohibition against purging to process drains (basis: BACT, Regulation 8-18)	Y	
Part F7	Process drain sealing requirement (basis: BACT)	Y	
Part F8	Prohibition against venting pressure relief valves to atmosphere (basis: BACT, Regulation 8-18)	Y	
Part F9	Recordkeeping (basis: cumulative increase)	Y	
BAAQMD Condition # 19528			
Part 1	Throughput limit (basis: Regulation 2-1-234.3, Regulation 2-1-403 Regulation 2-6-503)	Y	

IV. Source-specific Applicable Requirements

Table IV – AP
Source-specific Applicable Requirements
S1101–SUBSURFACE AERATOR SYSTEM, S1102–SUBSURFACE AERATOR SYSTEM, S1103–SUBSURFACE AERATOR SYSTEM, S1104–SUBSURFACE AERATOR SYSTEM

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 8	**Wastewater (Oil-Water) Separator (6/15/94)**	**Y**	
8-8-113	Exemption, Secondary Wastewater Treatment Processes And Stormwater Sewer Systems	Y	
BAAQMD Condition # 7688			
Part 1	Requirement for subject sources to be operated consistent with specification set forth during permitting (basis: cumulative increase)	Y	
BAAQMD Condition # 19528			
Part 1	Throughput limit (basis: Regulation 2-1-234.3, Regulation 2-1-403 Regulation 2-6-503)	Y	

Table IV – AQ
Source-specific Applicable Requirements
S1401-CLAUS MODIFIED 3-STAGE SULFUR RECOVERY UNIT

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~~7/19/2006)**	**Y**	
1-301	Public Nuisance Prohibition	N	
1-510	Area Monitoring	Y	
1-520	Continuous Emission Monitoring	Y	
1-520.4	SO2 monitor at sulfur recovery plants emitting more than 100 lb/day SO2	Y	
1-520.8	Monitors required by Regulations 10, 12 and 2-1-403	Y	
1-521	Monitoring May Be Required	Y	

IV. Source-specific Applicable Requirements

Table IV – AQ
Source-specific Applicable Requirements
S1401-CLAUS MODIFIED 3-STAGE SULFUR RECOVERY UNIT

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
1-522	Continuous Emission Monitoring and Recordkeeping Procedures	Y/N	
1-522.1	approval of plans and specifications	Y	
1-522.2	scheduling requirements	Y	
1-522.3	CEM performance testing	Y	
1-522.4	reporting of inoperative CEMs	Y	
1-522.5	CEM calibration requirements	Y	
1-522.6	CEM accuracy requirements	Y	
1-522.7	emission limit exceedance reporting requirements	N	
1-522.8	monitoring data submittal requirements	Y	
1-522.9	recordkeeping requirements	Y	
1-522.10	Regulation 1-521 monitors shall beet requirements specified by District	Y	
1-530	Area Monitoring Downtime (reporting requirement)	Y	
1-540	Area Monitoring Data Examination	Y	
1-542	Area Concentration Excesses (reporting requirement)	Y	
1-543	Record maintenance for Two Years	Y	
1-544	Monthly Summary	Y	
1-602	Area and Continuous Emission Monitoring Requirements	N	
SIP Regulation 1	**PROVISIONS NO LONGER IN CURRENT RULE General Provisions and Definitions (11/10/82)**		
1-522	Continuous Emission Monitoring and Recordkeeping Procedures	Y	
1-522.7	**Excesses**	Y	
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann Number 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-311	General Operations (process weight rate limitation)	Y	
6-330	Sulfur Recovery Units (SO3, H2SO4 emission limitations)	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Regulation 9, Rule 1	**Inorganic Gaseous Pollutants – Sulfur Dioxide (3/15/95)**		
9-1-301	Limitations on Ground level Concentrations	Y	

IV. Source-specific Applicable Requirements

Table IV – AQ
Source-specific Applicable Requirements
S1401-CLAUS MODIFIED 3-STAGE SULFUR RECOVERY UNIT

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
9-1-304.1	Fuel Burning (Liquid and Solid Fuels): 9-1-304 not applicable to sulfur manufacturing operations	Y	
9-1-307	Emission Limitations for Sulfur Recovery Plants	Y	
9-1-313	Sulfur Removal Operations at Petroleum Refineries (processing more than 20,000 bbl/day of crude oil)	Y/N	
9-1-313.1	crude oil sulfur content does not exceed 0.10 percent by weight, OR	Y	
9-1-313.2	operation of a sulfur removal and recovery system that removes and recovers: 95% of H2S from refinery fuel gas, 95% of H2S and ammonia from process water streams (sulfur recovery is required when a facility removes 16.5 ton/day or more of elemental sulfur).	N	
9-1-502	Emission Monitoring Requirements (Regulations 1-520, 1-522)	Y	
SIP Regulation 9, Rule 1	**Inorganic Gaseous Pollutants – Sulfur Dioxide (5/20/92)**	**Y**	
9-1-313.2	operation of a sulfur removal and recovery system that removes and recovers: 95% of H2S from refinery fuel gas, 95% of H2S and ammonia from process water streams	Y	
BAAQMD Regulation 9, Rule 2	**Inorganic Gaseous Pollutants – Hydrogen Sulfide (10/6/99)**	**N**	
9-2-301	Limitations of Hydrogen Sulfide ground level concentrations	N	
9-2-501	Area Monitoring Requirements	N	
BAAQMD Regulation 10 Subpart A	**NSPS Incorporation by Reference, Petroleum Refineries (02/16/2000)**		
BAAQMD Regulation 10 Subpart J	**NSPS Incorporation by Reference, Petroleum Refineries (02/16/2000)**		
BAAQMD Manual of Procedures, Volume V	**Continuous Emission Monitoring Policy and Procedures (1/20/82)**	Y	
NSPS 40 CFR 60 Subpart A	**General Provisions (8/27/2001)**	**Y**	
60.7	Notification and recordkeeping	Y	

IV. Source-specific Applicable Requirements

Table IV – AQ
Source-specific Applicable Requirements
S1401-CLAUS MODIFIED 3-STAGE SULFUR RECOVERY UNIT

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.8	Performance tests	Y	
60.9	Availability of Information	Y	
60.11	Compliance with standards and maintenance requirements	Y	
60.11(a)	Compliance with standards and maintenance requirements	Y	
60.11(d)	Good Operating Practice	Y	
60.12	Circumvention	Y	
60.13	Monitoring requirements	Y	
NSPS 40 CFR 60 Subpart J	**Standards of Performance for Petroleum Refineries (10/17/2000)**	**Y**	
60.104	Standards for sulfur oxides	Y	
60.104(a)(2)	Limit on sulfur oxide emissions from Claus SRU	Y	
60.104(a)(2)(i)	limit on sulfur oxide emissions from Claus sulfur recovery plant with oxidation or reduction control system followed by incineration	Y	
60.105	Monitoring of Emissions and Operations	Y	
60.105(a)	Continuous monitoring system requirements	Y	
60.105(a)(5)	Continuous SO2 concentration monitoring system requirements. Includes O2 CEMS.	Y	
60.105(e)	Periods of excess emissions for 60.7(c)	Y	
60.105(e)(4)	Excess emissions of sulfur dioxide from Claus sulfur recovery plants	Y	
60.105(e)(4)(i)	excess emissions of sulfur dioxide from Claus sulfur recovery plants as measured under 60.105(a)(5)	Y	
60.106	Test Methods and Procedures	Y	
60.106(a)	Performance test requirements	Y	
60.106(f)	Compliance determination for SO2 standards for Claus SRU	Y	
60.106(f)(1)	methods to determine SO2 concentration	Y	
60.106(f)(3)	methods to determine O2 concentration	Y	
NSPS Title 40 Part 60 Appendix B	**NSPS 40 Part 60 Appendix B (01/12/2004)**		12/31/2010 (S902)
Performance Specification 2	Specifications and Test Procedures for $SO_2$and NO_XContinuous Emission Monitoring Systems in Stationary Sources	Y	
NSPS Title 40 Part 60 Appendix F	**NSPS 40 Part 60 Appendix F (01/12/2004)**		12/31/2010 (S902)

IV. Source-specific Applicable Requirements

Table IV – AQ
Source-specific Applicable Requirements
S1401-CLAUS MODIFIED 3-STAGE SULFUR RECOVERY UNIT

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Procedure 1	QA Requirements for Gas Continuous Emission Monitoring Systems	Y	
NESHAPS Title 40 Part 63 Subpart UUU	**Emission Standards for Hazardous Air Pollutants for Petroleum Refineries: Catalytic Cracking Units, Catalytic Reforming Units, and Sulfur Recovery Units. (4/11/2006)**		
63.1568	Requirements for HAP Emissions from Sulfur Recovery Units	Y	
63.1568(a)	Emission Limitations and Work Practice Standards	Y	
63.1568(a)(1)	Emission limitation requirements for Sulfur Recovery Units subject to NSPS for sulfur oxides in 40 CFR 60.104. Meet the emission limitations for NSPS units. (Table 29, Item 1)	Y	
63.1568(a)(3)	Prepare Operation, Maintenance, and Monitoring Plan and operate in compliance with the plan	Y	
63.1568(b)	Initial Compliance Demonstration with HAP emission limitation and work practice standards	Y	
63.1568(b)(1)	Install SO2 and O2 CEMS to measure and record hourly average concentration of SO2, dry basis, at 0% O2.(Table 31, Item 1).	Y	
63.1568(b)(5)	Conduct performance test to demonstrate initial compliance (Table 33, Item 1). NOTE: No additional performance test required to demonstrate initial compliance with SO2 limit or with CEMS requirements for sources subject to NSPS. Certify in Notification of Compliance Status report that SRU stack meets emission limit and the CEMS meets the requirements in 63.1572.	Y	
63.1568(b)(6)	Submit Operation, Maintenance, and Monitoring Plan as part of the Notification of Compliance Status report.	Y	
63.1568(b)(7)	Submit Notice of Initial Compliance Status containing the results of the initial compliance demonstration.	Y	
63.1568(c)	Continuous Compliance Demonstration with HAP emission limitation and work practice standards	Y	
63.1568(c)(1)	Demonstrate Continuous Compliance with Emission Limitation: Collect hourly average SO2 monitoring data (dry basis, 0% O2), determine and record each 12-hour rolling average SO2 concentration, maintain the 12-hour rolling average below the 250 ppmvd, 0% O2 limit, and report any 12-hour rolling average that exceeds the limit in the compliance report required by 63.1575. (Table 34, Item 1)	Y	

IV. Source-specific Applicable Requirements

Table IV – AQ
Source-specific Applicable Requirements
S1401-CLAUS MODIFIED 3-STAGE SULFUR RECOVERY UNIT

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.1568(c)(2)	Demonstrate Continuous Compliance with Work Practice Standard by complying with the Operation, Maintenance, and Monitoring Plan	Y	
63.1569	Requirements for HAP Emissions from Bypass Lines	Y	
63.1569(a)(1)	Meet work practice standards for bypass lines by selecting one of four options.	Y	
63.1569(a)(1)(i)	Install an automated system in the bypass line (Table 36, Option 1)	Y	
63.1569(a)(3)	Prepare an Operations, Maintenance, and Operating Plan, and operate at all times in accordance with the Plan.	Y	
63.1569(b)	Initial Compliance Demonstration with work practice standards for bypass lines	Y	
63.1569(b)(1)	Conduct performance test for automated bypass line. (Table 37, Option 1)	Y	
63.1569(b)(2)	Demonstrate initial compliance with work practice standard for bypass line with automated system (Table 38, Option 1).	Y	
63.1569(b)(3)	Submit Operations, Maintenance, and Monitoring Plan as part of the Notification of Compliance Status report.	Y	
63.1569(b)(4)	Submit the Notification of Compliance Status containing the results of the initial compliance demonstration.	Y	
63.1569(c)	Continuous Compliance Demonstration with the work practice standards for bypass lines.	Y	
63.1569(c)(1)	Demonstrate continuous compliance with the work practice standards for automated bypass lines by continuously monitoring and recording whether flow is present in the bypass line, and recording whether the device is operating properly. (Table 39, Option 1)	Y	
63.1569(c)(2)	Demonstrate continuous compliance with the work practice standard for automated bypass lines by complying with the Operation, Maintenance, and Monitoring Plan.	Y	
63.1570	General Compliance Requirements	Y	
63.1570(a)	Operate in compliance with non-opacity standards at all times except during periods of startup, shutdown, and malfunction, as specified in 63.6(f)(1)	Y	
63.1570(c)	Operate and maintain source including pollution control and monitoring equipment in accordance with 63.6(e)(1).	Y	

IV. Source-specific Applicable Requirements

Table IV – AQ
Source-specific Applicable Requirements
S1401-CLAUS MODIFIED 3-STAGE SULFUR RECOVERY UNIT

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.1570(d)	Develop and implement startup, shutdown, and malfunction plan (SSMP) in accordance with 63.6(e)(3)	Y	
63.1570(e)	Operate in accordance with SSMP during periods of startup, shutdown, and malfunction	Y	
63.1570(f)	Report deviations from compliance with this subpart according to the requirements of 63.1575	Y	
63.1570(g)	Deviations that occur during startup, shutdown, or malfunction are not violations if operating in accordance with SSMP	Y	
63.1571	Performance Tests	Y	
63.1571(a)	Conduct Performance Test and submit results no later than 150 days after compliance date	Y	
63.1571(b)	Requirements for Performance Tests	Y	
63.1571(b)(1)	Conduct performance tests in accordance with the requirements of 63.7(e)(1)	Y	
63.1571(b)(2)	Except for opacity and visual emissions observations, conduct three separate test runs of at least an hour for each performance test	Y	
63.1571(b)(3)	Conduct each performance evaluation in accordance with the requirements of 63.8(e)	Y	
63.1571(b)(4)	Do not conduct performance tests during periods of startup, shutdown, or malfunction	Y	
63.1571(b)(5)	Arithmetic average of emission rates	Y	
63.1572	Monitoring installation, operation, and maintenance requirements	Y	
63.1572(a)	Monitoring installation, operation, and maintenance requirements for continuous emission monitoring systems.	Y	
63.1572(a)(1)	Install, operate, and maintain SO2 CEMS with O2 monitor on the SRU. Comply with applicable requirements in Table 40. (Table 40, Item 4 and Item 8)	Y	
63.1572(a)(2)	Performance test requirements for CEMS used to need NSPS SO2 limit. (Table 40, Item 4 and Item 8).	Y	
63.1572(a)(3)	Minimum data requirements for CEMS per 63.8(c)(4)(ii).	Y	
63.1572(a)(4)	Data reduction requirements per 63.8(g)(2).	Y	
63.1572(d)	Data monitoring and collection requirements	Y	
63.1572(d)(1)	Conduct monitoring at all times source is operating except for monitoring malfunctions, repairs, and QA/QC activities	Y	
63.1572(d)(2)	Do not use data recorded during monitoring malfunctions, repairs, and QA/QC activities	Y	
63.1574	Notification Requirements	Y	

IV. Source-specific Applicable Requirements

Table IV – AQ
Source-specific Applicable Requirements
S1401-CLAUS MODIFIED 3-STAGE SULFUR RECOVERY UNIT

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.1574(a)	Notifications Required by 40 CFR 63 Subpart A	Y	
63.1574(a)(2)	Submit notification of intent to conduct performance test 30 days before scheduled (instead of 60 days)	Y	
63.1574(a)(3)	Requirements for Notification of Compliance Status	Y	
63.1574(a)(3)(ii)	Submit Notification of Compliance Status for initial compliance demonstration that includes a performance test, no later than 150 days after source compliance date	Y	
63.1574(d)	Information to be Submitted in Notice of Compliance Status (Table 42): identification of affected sources and emission points (Item 1); initial compliance demonstration (Item 2); continuous compliance (Item 3)	Y	
63.1574(f)	Requirement to prepare Operation, Maintenance, and Monitoring Plan	Y	
63.1574(f)(1)	Submit plan to permitting authority for review and approval along with NOCS. Include duty to prepare and implement plan into Part 70 or 71 permit.	Y	
63.1574(f)(2)	Minimum contents of Operation, Maintenance, and Monitoring Plan	Y	
63.1575	Reports	Y	
63.1575(a)	Required reports: semiannual compliance report (Table 43, Item 1)	Y	
63.1575(b)	Specified semiannual report submittal dates	Y	
63.1575(c)	Information required in compliance report	Y	
63.1575(d)	Information required for deviations from emission limitations and work practice standards where CEMS or COMS is not used to comply with emission limitation or work practice standard	Y	
63.1575(e)	Information required for deviations from emission limitations and work practice standards where CEMS or COMS is used to comply with emission limitation or work practice standard	Y	
63.1575(f)	Additional information for compliance reports	Y	
63.1575(g)	Submittal of reports required by other regulations in place of or as part of compliance report if they contain the required information	Y	
63.1575(h)	Reporting requirements for startups, shutdowns, and malfunctions	Y	
63.1576	Recordkeeping	Y	
63.1576(a)	Required Records – General	Y	
63.1576(b)	Records for continuous emission monitoring systems	Y	
63.1576(d)	Records required by Tables 34 and 35 of Subpart UUU for sulfur recovery units	Y	
63.1576(e)	Maintain copy of Operation, Maintenance, and Monitoring Plan and records to show continuous compliance with plan	Y	

IV. Source-specific Applicable Requirements

Table IV – AQ
Source-specific Applicable Requirements
S1401-CLAUS MODIFIED 3-STAGE SULFUR RECOVERY UNIT

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.1576(f)	Records of changes that affect emission control system performance	Y	
63.1576(g)	Records in a form suitable and readily available for review	Y	
63.1576(h)	Maintain records for 5 years	Y	
63.1576(i)	Records onsite for two years; may be maintained offsite for remaining 3 years	Y	
BAAQMD Condition # 267			
Part 1	SCOT Unit maintenance (basis: cumulative increase)	Y	
Part 2	Sulfur dioxide emission limit (basis: cumulative increase)	Y	
Part 3	Record keeping (basis: cumulative increase)	Y	
Part 4	Abate sulfur pit vent emissions by S-1411, Sulfuric Acid Plan or S-1401, Sulfur Recovery Unit. (Basis: cumulative increase)	Y	
Part 5	NSPS J applicability and SSM requirements for S-1401 (Basis: NSPS Subparts A and J, EPA Consent Decree paragraphs 221, 222, 224, 225, and 227)	Y	
BAAQMD Condition # 4357			
Part 1	Definitions (basis: definitions)	Y	
Part 2	Emissions (basis: cumulative increase, bubble, BACT)	Y	
Part 3	Emission Reductions (basis: cumulative increase, bubble, BACT, offsets)	Y	
Part 5	Reporting and Recordkeeping (basis: cumulative increase, bubble, BACT, offsets)	Y	
Part 9	Sulfur Recovery Facilities (basis: cumulative increase, offsets)	Y	
Part 10	Access (basis: cumulative increase, offsets, BACT)	Y	
Part 11	Enforcement (basis: cumulative increase, offsets, BACT)	Y	
Part 12	Miscellaneous (basis: cumulative increase, offsets)	Y	
Part 13	Severability (basis: cumulative increase, offsets, BACT)	Y	
Part 14	Environmental Management Plan (basis: cumulative increase, offsets, BACT)	Y	
BAAQMD Condition # 19528			

IV. Source-specific Applicable Requirements

Table IV – AQ
Source-specific Applicable Requirements
S1401-CLAUS MODIFIED 3-STAGE SULFUR RECOVERY UNIT

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 1	Throughput limit (basis: Regulation 2-1-234.3, Regulation 2-1-403 Regulation 2-6-503)	Y	
BAAQMD Condition # 21053			
Part 2	Monitoring to demonstrate compliance with 6-301 (~~Ringlemann~~Ringelmann 1 or 20% opacity)	Y	~~**04/01/2004**~~

Table IV – AR
Source-specific Applicable Requirements
S1404-SULFUR STORAGE TANK

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann Number 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-311	General Operations (process weight rate limitation)	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Regulation 9, Rule 1	**Inorganic Gaseous Pollutants – Sulfur Dioxide (3/15/95)**		
9-1-301	Limitations on Ground level Concentrations	Y	
BAAQMD Condition # 8535			
Part 1	Particulate matter grain loading limitation (basis: cumulative increase)	Y	
Part 2	Requirement for particulate scrubber (basis: cumulative increase, Regulation 6)	Y	

IV. Source-specific Applicable Requirements

Table IV – AR
Source-specific Applicable Requirements
S1404-SULFUR STORAGE TANK

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 3	Requirement for pressure drop monitor and minimum pressure drop requirement (basis: cumulative increase)	Y	
BAAQMD Condition # 19528			
Part 1	Throughput limit (basis: Regulation 2-1-234.3, Regulation 2-1-403 Regulation 2-6-503)	Y	
BAAQMD Condition # 21053			
Part 2	Monitoring to demonstrate compliance with 6-301 (~~Ringlemann~~Ringelmann 1 or 20% opacity)	Y	~~**04/01/2004**~~

Table IV – AS
Source-specific Applicable Requirements
S1405-SULFUR COLLECTION PIT

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann Number 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-311	General Operations (process weight rate limitation)	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Regulation 9, Rule 1	**Inorganic Gaseous Pollutants – Sulfur Dioxide (3/15/95)**		
9-1-301	Limitations on Ground level Concentrations	Y	
SIP Regulation 9, Rule 1	**PROVISIONS NO LONGER IN CURRENT RULE Inorganic Gases – Sulfur Dioxide (5/3/84)**		

IV. Source-specific Applicable Requirements

Table IV – AS
Source-specific Applicable Requirements
S1405-SULFUR COLLECTION PIT

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
9-1-301	Limitations on Ground Level Concentrations	Y	
BAAQMD Condition # 19528			
Part 1	Throughput limit (basis: Regulation 2-1-234.3, Regulation 2-1-403 Regulation 2-6-503)	Y	
~~Part 15~~	~~Monitoring (basis: Regulation 2-1-403; Regulation 2-6-503)~~	~~Y~~	
BAAQMD Condition # 267			
Part 4	S-1405 Abatement requirement (basis: cumulative increase)	Y	

Table IV – AT
Source-specific Applicable Requirements
S1411-SULFURIC ACID MANUFACTURING PLANT

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 1	**General Provisions and Definitions (3/3/93)**		
1-520	Continuous Emission Monitoring	Y	
1-520.3	SO2 from Sulfuric Acid Plants	Y	
1-522	Continuous Emission Monitoring and Recordkeeping Requirements	Y/N	
1-522.1	Plans and Specifications	Y	
1-522.2	Installation Scheduling	Y	
1-522.3	Performance Testing	Y	
1-522.4	Periods of Inoperation Greater Than 24 Hours	Y	
1-522.5	Calibration	Y	
1-522.6	Accuracy	Y	
1-522.7	Excesses	N	

IV. Source-specific Applicable Requirements

Table IV – AT
Source-specific Applicable Requirements
S1411-SULFURIC ACID MANUFACTURING PLANT

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
1-522.8	Monthly Reports	Y	
1-522.9	Records	Y	
1-602	Area and Continuous Emission Monitoring Requirements	N	
SIP Regulation 1	**PROVISIONS NO LONGER IN CURRENT RULE General Provisions and Definitions (11/10/82)**		
1-522.7	**Excesses**	Y	
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann Number 1 Limitation	N	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-311	General Operations	Y	
6-320	Sulfuric Acid Manufacturing Plants	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Regulation 9, Rule 1	**Inorganic Gases – Sulfur Dioxide (3/15/95)**		
9-1-301	Limitations on Ground Level Concentrations	Y	
9-1-309	Emission Limitations for Sulfuric Acid Plants	Y	
9-1-502	Emission Monitoring Requirements	Y	
9-1-601	Sampling and Analysis of Gas Streams	Y	
9-1-603	Averaging Times	Y	
9-1-604	Ground Level Monitoring	Y	
9-1-605	Emission Monitoring	Y	
SIP Regulation 9, Rule 1	**PROVISIONS NO LONGER IN CURRENT RULE Inorganic Gases – Sulfur Dioxide (5/3/84)**		
9-1-502	Emission Monitoring Requirements	Y	
BAAQMD Regulation 12, Rule 6	Acid Mist from Sulfuric Acid Plants (12/6/78)	N	
12-6-301	Acid Mist	N	
12-6-501	Production Rate and Hours of Operation	N	
12-6-601	Testing Procedures	N	

IV. Source-specific Applicable Requirements

Table IV – AT
Source-specific Applicable Requirements
S1411-SULFURIC ACID MANUFACTURING PLANT

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Condition # 19528			
Part 1	Throughput limit (basis: Regulation 2-1-234.3, Regulation 2-1-403 Regulation 2-6-503)	Y	
BAAQMD Condition # 21053			
Part 2	Monitoring to demonstrate compliance with 6-301 (~~Ringlemann~~Ringelmann 1 or 20% opacity)	Y	~~**04/01/2004**~~

Table IV – AU
Source-specific Applicable Requirements
S1421–AMMONIA RECOVERY UNIT FEED TANK, TANK 757
S1422-Ammonia Recovery Unit Feed Tank, TANK 782

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
District Regulation 8, Rule 2	**Organic Compounds, Miscellaneous Operations**	**Y**	
8-2-301	Miscellaneous Operations: emissions shall not exceed 15 lb/day and 300 ppm total carbon on a dry basis	Y	
BAAQMD Condition # 13282			
Part 1	Limit on Throughput to S-1421 or Emission Limitation (basis: cumulative increase, offsets)	Y	
Part 2	Storage Of Materials Other Than Diesel Gasoline (basis: cumulative increase, toxics)	Y	
Part 4	Record Keeping (basis: cumulative increase, toxics, Regulation 8-5, offsets)	Y	

IV. Source-specific Applicable Requirements

Table IV – AU
Source-specific Applicable Requirements
S1421–AMMONIA RECOVERY UNIT FEED TANK, TANK 757
S1422-Ammonia Recovery Unit Feed Tank, TANK 782

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Condition # 19528			
Part 1	Throughput limit (basis: Regulation 2-1-234.3, Regulation 2-1-403 Regulation 2-6-503)	Y	

Table IV-AV
Source-specific Applicable Requirements
S1413-#1 Oleum Storage Tank, S1414-#2 Oleum Storage Tank

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann Number 1 Limitation	Y	
6-305	Visible Particles	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Regulation 12, Rule 10	**Oleum Transfer Operations**		
12-10-301	Operating Requirements	N	
12-10-302	Secondary Containment Requirements	N	
12-10-401	Oleum Transfer Procedure Requirements	N	
12-10-501	Records	N	
BAAQMD Condition # 19528			
Part 1	Throughput limit (basis: Regulation 2-1-234.3, Regulation 2-1-403 Regulation 2-6-503)	Y	

IV. Source-specific Applicable Requirements

Table IV-AW
Source-specific Applicable Requirements
S1415–LOADING DOCK (SULFURIC ACID), S1416–#1 SPENT ACID STORAGE TANK S1417–#2 SPENT ACID STORAGE TANK

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann Number 1 Limitation	Y	
6-305	Visible Particles	Y	
6-401	Appearance of Emissions	Y	
District Regulation 8, Rule 2	**Organic Compounds, Miscellaneous Operations**	**Y**	
8-2-301	Miscellaneous Operations: emissions shall not exceed 15 lb/day and 300 ppm total carbon on a dry basis	Y	
BAAQMD Condition # 19528			
Part 1	Throughput limit (basis: Regulation 2-1-234.3, Regulation 2-1-403 Regulation 2-6-503)	Y	

Table IV – AY
Source-specific Applicable Requirements
S1452-OIL WATER SEPARATOR, HYDROCARBON RECOVERY SYSTEM, GROUNDWATER HYDROCARBON RECOVERY SYSTEM, 43 OIL/WATER WELLS, AND ASSOCIATED PUMPS, VALVES, AND FLANGES

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Condition # 9875			
Part 1	Inspection Requirements & Leak Limits For Fugitive Components (basis: cumulative increase, offsets, Regulation 8-18, Regulation 8-25)	Y	
Part 2	Pump Technology Requirements (basis: cumulative increase, offsets, BACT)	Y	

IV. Source-specific Applicable Requirements

Table IV – AY
Source-specific Applicable Requirements
S1452-OIL WATER SEPARATOR, HYDROCARBON RECOVERY SYSTEM, GROUNDWATER HYDROCARBON RECOVERY SYSTEM, 43 OIL/WATER WELLS, AND ASSOCIATED PUMPS, VALVES, AND FLANGES

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 3	Light Liquid Service Valve Technology Requirements (basis: cumulative increase, offsets, BACT)	Y	
Part 4	Heavy Liquid Service Valve Technology Requirements (basis: cumulative increase, offsets, BACT)	Y	
Part 5	Final Fugitive Component Count Requirement (basis: cumulative increase, offsets)	Y	
Part 6	Throughput limit of 5,000,000 bbl/yr (basis: cumulative increase, offsets)	Y	
BAAQMD Condition # 19528			
Part 1	Throughput limit (basis: Regulation 2-1-234.3, Regulation 2-1-403 Regulation 2-6-503)	Y	

Table IV – AZ Cluster 01a
Source-specific Applicable Requirements
S656 – Tank A-846, S658 – Tank A-847

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Reg 8 Rule 5	**Exempt**	**Y**	
Refinery MACT	**NESHAP for Petroleum Refineries** **REQUIREMENTS FOR TANKS ALSO SUBJECT TO NSPS Kb**	**Y**	
63.642(e)	**General recordkeeping requirements:** Time period for keeping records, unless specified otherwise. 63.642(e) & 63.654(i)(4) **keep all other records 5 years, retrievable within 24 hr**	**Y**	
63.654(i)	**Applicability records:** Time period for keeping records of applicability determination, unless specified otherwise. 63.654(i)(1) 63.123(a) **Keep record readily accessible for the service life of the tank**	Y	

IV. Source-specific Applicable Requirements

Table IV – AZ Cluster 01a
Source-specific Applicable Requirements
S656 – Tank A-846, S658 – Tank A-847

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	Applicability records: Records of dimensions & capacity required for nonexempt tanks? 63.654(i)(1) 63.646(a)&63.119(a)(3) 63.123(a) **Required** **Keep record readily accessible for service life of the tank ***	**Y**	
	Applicability records: Additional recordkeeping requirements for certain tanks. 63.654(i)(1)(iv) **determination of HAP content** **Keep record readily accessible for service life of the tank**	**Y**	
BAAQMD Condition # 10696			
Part 1	Requirement for abatement by A-12	Y	
Part 2	Fugitive component inspection and maitenance	Y	
Part 3	Pressure relief valve requirement	Y	
Part 4	Fugitive component count and emission offsetting requirements	Y	
BAAQMD Condition # 19528			
Part 1	Throughput limit (basis: Regulation 2-1-234.3, Regulation 2-1-403 Regulation 2-6-503)	Y	

Table IV – BA1 Cluster 01a
Source-specific Applicable Requirements
S28 – Tank A-028, S44 – Tank A-044, S258 – Tank A-258, S270 – Tank A-270, S272 – Tank A-272, S274 – Tank A-274, S327 – Tank A-327, S377 – Tank A-377, S403 – Tank A-403, S405 – Tank A-405, S430 – Tank A-430, S622 – Tank A-622, S656 – Tank A-846, S1464 – Tank A-868, S1465 – Tank A-869

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Reg 8 Rule 5	**Exempt**	**Y**	
Refinery MACT	**NESHAP for Petroleum Refineries REQUIREMENTS FOR TANKS ALSO SUBJECT TO NSPS Kb**	**Y**	

IV. Source-specific Applicable Requirements

Table IV – BA1 Cluster 01a
Source-specific Applicable Requirements
S28 – Tank A-028, S44 – Tank A-044, S258 – Tank A-258, S270 – Tank A-270, S272 – Tank A-272, S274 – Tank A-274, S327 – Tank A-327, S377 – Tank A-377, S403 – Tank A-403, S405 – Tank A-405, S430 – Tank A-430, S622 – Tank A-622, S656 – Tank A-846, S1464 – Tank A-868, S1465 – Tank A-869

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
63.640(n)	Which rule governs for storage vessels subject to both Refinery MACT and NSPS subpart Kb?	63.640(n)(1) **NSPS subpart Kb**	**Y**	
NSPS Subpart Kb	**Volatile Organic Liquid Storage Vessels** **REQUIREMENTS FOR RECORDKEEPING ONLY**		Y	
60.116b(a)	**Applicability records:** Time period for keeping records of applicability determination, unless specified otherwise.	60.116b(a) **Keep for 5 years**	Y	
60.116b(b)	**Applicability records:** Records of dimensions & capacity required for nonexempt tanks?	60.116b(b) **Required** **Keep record readily accessible for the life of the tank**	**Y**	
60.116b(c)	**Applicability records:** Additional recordkeeping requirements for certain tanks.	60.116b(c) **identification & TVP of the stored product, if capacity ≥ 20,000 gallons. and TVP ≥ 2.2, OR capacity ≥ 40,000 gallons. and TVP ≥ 0.51** **Keep record as long as the tank is in that service**	**Y**	
60.116b(d)	**Periodic Reports:** Miscellaneous additional info to report:	60.116b(d) **TVP exceedances for a tank > 20,000 gallons that is normally below the TVP cutoff**	**Y**	
60.116b(e)	**True vapor pressure (TVP) determination for applicability:**	60.116b(e) **maximum TVP of the stored liquid, based on highest calendar month average storage temperature**	**Y**	
	Applicability determination: Miscellaneous recordkeeping exemptions:	60.116b(g) **keeping record of TVP is not required if tank is routed to a compliant control device**	**Y**	
NSPS Subpart A	**New Source Performance Standards** **GENERAL PROVISIONS**		**Y**	
60.7(a)	**Initial Notification:** Is initial notification of the source's existence required?	60.7(a)(1) **notification within 30 days after begin construction**	**Y**	

IV. Source-specific Applicable Requirements

Table IV – BA1 Cluster 01a
Source-specific Applicable Requirements
S28 – Tank A-028, S44 – Tank A-044, S258 – Tank A-258, S270 – Tank A-270, S272 – Tank A-272, S274 – Tank A-274, S327 – Tank A-327, S377 – Tank A-377, S403 – Tank A-403, S405 – Tank A-405, S430 – Tank A-430, S622 – Tank A-622, S656 – Tank A-846, S1464 – Tank A-868, S1465 – Tank A-869

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	Initial Notification: Is initial notification required if tank becomes affected only as a result of a modification?	60.7(a)(4) **notification 60 days or as soon as practicable before the change**	**Y**	
60.7(f)	**General recordkeeping requirements:** Time period for keeping records, unless specified otherwise.	60.7(f) **Keep all reports & notifications for 2 years**	**Y**	
	General recordkeeping requirements: Keep all reports and notification for the specified period of time.	60.7(f) **required**	**Y**	

Table IV – BA2 Cluster 01a
Source-specific Applicable Requirements
S1464 – Tank A-868

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Reg 8 Rule 5	**Exempt**		**Y**	
Refinery MACT	**NESHAP for Petroleum Refineries REQUIREMENTS FOR TANKS ALSO SUBJECT TO NSPS Kb**		**Y**	
63.640(n)	Which rule governs for storage vessels subject to both Refinery MACT and NSPS subpart Kb?	63.640(n)(1) **NSPS subpart Kb**	**Y**	
NSPS Subpart Kb	**Volatile Organic Liquid Storage Vessels REQUIREMENTS FOR RECORDKEEPING ONLY**		Y	
60.116b(a)	**Applicability records:** Time period for keeping records of applicability determination, unless specified otherwise.	60.116b(a) **Keep for 5 years**	Y	

IV. Source-specific Applicable Requirements

Table IV – BA2 Cluster 01a
Source-specific Applicable Requirements
S1464 – Tank A-868

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
60.116b(b)	**Applicability records:** Records of dimensions & capacity required for nonexempt tanks?	60.116b(b) **Required** **Keep record readily accessible for the life of the tank**	**Y**	
60.116b(c)	**Applicability records:** Additional recordkeeping requirements for certain tanks.	60.116b(c) **identification & TVP of the stored product, if capacity ≥ 20,000 gallons. and TVP ≥ 2.2, OR capacity ≥ 40,000 gallons. and TVP ≥ 0.51** **Keep record as long as the tank is in that service**	**Y**	
60.116b(d)	**Periodic Reports:** Miscellaneous additional info to report:	60.116b(d) **TVP exceedances for a tank > 20,000 gallons that is normally below the TVP cutoff**	**Y**	
60.116b(e)	**True vapor pressure (TVP) determination for applicability:**	60.116b(e) **maximum TVP of the stored liquid, based on highest calendar month average storage temperature**	**Y**	
	Applicability determination: Miscellaneous recordkeeping exemptions:	60.116b(g) **keeping record of TVP is not required if tank is routed to a compliant control device**	**Y**	
NSPS Subpart A	**New Source Performance Standards** **GENERAL PROVISIONS**		**Y**	
60.7(a)	**Initial Notification:** Is initial notification of the source's existence required?	60.7(a)(1) **notification within 30 days after begin construction**	**Y**	
	Initial Notification: Is initial notification required if tank becomes affected only as a result of a modification?	60.7(a)(4) **notification 60 days or as soon as practicable before the change**	**Y**	
60.7(f)	**General recordkeeping requirements:** Time period for keeping records, unless specified otherwise.	60.7(f) **Keep all reports & notifications for 2 years**	**Y**	
	General recordkeeping requirements: Keep all reports and notification for the specified period of time.	60.7(f) **required**	**Y**	

IV. Source-specific Applicable Requirements

Table IV – BA2 Cluster 01a
Source-specific Applicable Requirements
S1464 – Tank A-868

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Condition # 17477			
Part D1	Throughput Limit (basis: cumulative increase, toxics)	Y	
Part D2	True Vapor Pressure Limit (basis: cumulative increase)	Y	
Part D3	Fitting Count Requirements (basis: cumulative increase, toxics, offsets)	Y	
Part D4	Requirements for Alternative Material Storage (basis: cumulative increase, toxics)	Y	
Part D5	Record Keeping (basis: cumulative increase, toxics)	Y	
BAAQMD Condition # 19528			
Part 1	Throughput limit (basis: Regulation 2-1-234.3, Regulation 2-1-403 Regulation 2-6-503)	Y	

Table IV – BA3 Cluster 01a
Source-specific Applicable Requirements
S1465 – Tank A-869

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Reg 8 Rule 5	**Exempt**	**Y**	
Refinery MACT	**NESHAP for Petroleum Refineries** **REQUIREMENTS FOR TANKS ALSO SUBJECT TO NSPS Kb**	**Y**	
63.640(n)	Which rule governs for storage vessels subject to both Refinery MACT and NSPS subpart Kb? 63.640(n)(1) **NSPS subpart Kb**	**Y**	
NSPS Subpart Kb	**Volatile Organic Liquid Storage Vessels** **REQUIREMENTS FOR RECORDKEEPING ONLY**	Y	
60.116b(a)	**Applicability records:** Time period for keeping records of applicability determination, unless specified otherwise. 60.116b(a) **Keep for 5 years**	Y	

IV. Source-specific Applicable Requirements

Table IV – BA3 Cluster 01a
Source-specific Applicable Requirements
S1465 – Tank A-869

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
60.116b(b)	**Applicability records:** Records of dimensions & capacity required for nonexempt tanks?	60.116b(b) **Required** **Keep record readily accessible for the life of the tank**	**Y**	
60.116b(c)	**Applicability records:** Additional recordkeeping requirements for certain tanks.	60.116b(c) **identification & TVP of the stored product, if capacity ≥ 20,000 gallons. and TVP ≥ 2.2, OR capacity ≥ 40,000 gallons. and TVP ≥ 0.51** **Keep record as long as the tank is in that service**	**Y**	
60.116b(d)	**Periodic Reports:** Miscellaneous additional info to report:	60.116b(d) **TVP exceedances for a tank > 20,000 gallons that is normally below the TVP cutoff**	**Y**	
60.116b(e)	**True vapor pressure (TVP) determination for applicability:**	60.116b(e) **maximum TVP of the stored liquid, based on highest calendar month average storage temperature**	**Y**	
	Applicability determination: Miscellaneous recordkeeping exemptions:	60.116b(g) **keeping record of TVP is not required if tank is routed to a compliant control device**	**Y**	
NSPS Subpart A	**New Source Performance Standards** **GENERAL PROVISIONS**		**Y**	
60.7(a)	**Initial Notification:** Is initial notification of the source's existence required?	60.7(a)(1) **notification within 30 days after begin construction**	**Y**	
	Initial Notification: Is initial notification required if tank becomes affected only as a result of a modification?	60.7(a)(4) **notification 60 days or as soon as practicable before the change**	**Y**	
60.7(f)	**General recordkeeping requirements:** Time period for keeping records, unless specified otherwise.	60.7(f) **Keep all reports & notifications for 2 years**	**Y**	
	General recordkeeping requirements: Keep all reports and notification for the specified period of time.	60.7(f) **required**	**Y**	

IV. Source-specific Applicable Requirements

Table IV – BA3 Cluster 01a
Source-specific Applicable Requirements
S1465 – Tank A-869

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Condition # 17477			
Part E1	Throughput Limit (basis: cumulative increase, toxics)	Y	
Part E2	True Vapor Pressure Limit (basis: cumulative increase)	Y	
Part E3	Fitting Count Requirements (basis: cumulative increase, toxics, offsets)	Y	
Part E4	Requirements for Alternative Material Storage (basis: cumulative increase, toxics)	Y	
Part E5	Record Keeping (basis: cumulative increase, toxics)	Y	
BAAQMD Condition # 19528			
Part 1	Throughput limit (basis: Regulation 2-1-234.3, Regulation 2-1-403 Regulation 2-6-503)	Y	

Table IV – BB Cluster 01a
Source-specific Applicable Requirements
S650 – Tank A-650

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Reg 8 Rule 5	**Exempt**	**Y**	
Refinery MACT	**NESHAP for Petroleum Refineries** **REQUIREMENTS FOR TANKS ALSO SUBJECT TO NSPS Kb**	Y	
63.640(n)	Which rule governs for storage vessels subject to both Refinery MACT and NSPS subpart Kb? 63.640(n)(1) **NSPS subpart Kb**	Y	
NSPS Subpart Kb	**Volatile Organic Liquid Storage Vessels** **REQUIREMENTS FOR RECORDKEEPING ONLY**	Y	
60.116b(a)	**Applicability records:** Time period for keeping records of applicability determination, unless specified otherwise. 60.116b(a) **Keep for 5 years**	Y	

IV. Source-specific Applicable Requirements

Table IV – BB Cluster 01a
Source-specific Applicable Requirements
S650 – Tank A-650

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
60.116b(b)	**Applicability records:** Records of dimensions & capacity required for nonexempt tanks?	60.116b(b) **Required** **Keep record readily accessible for the life of the tank**	Y	
60.116b(c)	**Applicability records:** Additional recordkeeping requirements for certain tanks.	60.116b(c) **identification & TVP of the stored product, if capacity ≥ 20,000 gallons. and TVP ≥ 2.2, OR capacity ≥ 40,000 gallons. and TVP ≥ 0.51** **Keep record as long as the tank is in that service**	Y	
60.116b(d)	**Periodic Reports:** Miscellaneous additional info to report:	60.116b(d) **TVP exceedances for a tank > 20,000 gallons that is normally below the TVP cutoff**	Y	
60.116b(e)	**True vapor pressure (TVP) determination for applicability:**	60.116b(e) **maximum TVP of the stored liquid, based on highest calendar month average storage temperature**	Y	
	Applicability determination: Miscellaneous recordkeeping exemptions:	60.116b(g) **keeping record of TVP is not required if tank is routed to a compliant control device**	Y	
NSPS Subpart A	**New Source Performance Standards** **GENERAL PROVISIONS**		Y	
60.7(a)	**Initial Notification:** Is initial notification of the source's existence required?	60.7(a)(1) **notification within 30 days after begin construction**	Y	
	Initial Notification: Is initial notification required if tank becomes affected only as a result of a modification?	60.7(a)(4) **notification 60 days or as soon as practicable before the change**	Y	
60.7(f)	**General recordkeeping requirements:** Time period for keeping records, unless specified otherwise.	60.7(f) **Keep all reports & notifications for 2 years**	Y	
	General recordkeeping requirements: Keep all reports and notification for the specified period of time.	60.7(f) **required**	Y	
BAAQMD Condition # 19528				

IV. Source-specific Applicable Requirements

Table IV – BB Cluster 01a
Source-specific Applicable Requirements
S650 – Tank A-650

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 1	Throughput limit (basis: Regulation 2-1-234.3, Regulation 2-1-403 Regulation 2-6-503)	Y	

Table IV – BC Cluster 01b
Source-specific Applicable Requirements
S1 – Tank A-001, S990 – Tank 749

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Reg 8 Rule 5	**Exempt**		**Y**	
Refinery MACT	**NESHAP for Petroleum Refineries** **REQUIREMENTS FOR RECORDKEEPING ONLY**		**Y**	
63.642(e)	**General recordkeeping requirements:** Time period for keeping records, unless specified otherwise.	63.642(e) & 63.654(i)(4) **keep all other records 5 years, retrievable within 24 hr**	**Y**	
	General recordkeeping requirements: Keep all reports and notification for the specified period of time.	63.642(e) & 63.654(i)(4) **required**	**Y**	
63.654(i)	**Applicability records:** Time period for keeping records of applicability determination, unless specified otherwise.	63.654(i)(1) 63.123(a) **Keep record readily accessible for the service life of the tank**	Y	
	Applicability records: Records of dimensions & capacity required for nonexempt tanks?	63.654(i)(1) 63.646(a)&63.119(a)(3) 63.123(a) **Required** **Keep record readily accessible for service life of the tank ***	**Y**	
	Applicability records: Additional recordkeeping requirements for certain tanks.	63.654(i)(1)(iv) **determination of HAP content** **Keep record readily accessible for service life of the tank**	**Y**	

IV. Source-specific Applicable Requirements

Table IV – BD Cluster 01b
Source-specific Applicable Requirements
S529 – Tank A-529, S530 – Tank A-530, S1418 – Tank A-750

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Reg 8 Rule 5	**Exempt**		**Y**	
Refinery MACT	**NESHAP for Petroleum Refineries** **REQUIREMENTS FOR RECORDKEEPING ONLY**		**Y**	
63.642(e)	**General recordkeeping requirements:** Time period for keeping records, unless specified otherwise.	63.642(e) & 63.654(i)(4) **keep all other records 5 years, retrievable within 24 hr**	Y	
	General recordkeeping requirements: Keep all reports and notification for the specified period of time.	63.642(e) & 63.654(i)(4) **required**	**Y**	
63.654(i)	**Applicability records:** Time period for keeping records of applicability determination, unless specified otherwise.	63.654(i)(1) 63.123(a) **Keep record readily accessible for the service life of the tank**	**Y**	
	Applicability records: Records of dimensions & capacity required for nonexempt tanks?	63.654(i)(1) 63.646(a)&63.119(a)(3) 63.123(a) **Required** **Keep record readily accessible for service life of the tank ***	**Y**	
	Applicability records: Additional recordkeeping requirements for certain tanks.	63.654(i)(1)(iv) **determination of HAP content** **Keep record readily accessible for service life of the tank**	**Y**	
BAAQMD Condition # 8548	(Only apply to S529 and S530)			
Part 1	Requirement for abatement by A-12 (basis: Reg. 1-301, toxics)		Y	
Part 2	Fugitive component inspection and maitenance (basis: cumulative increase, offsets, Regulation 8-18, Regulation 8-25, Regulation 8-28)		Y	
Part 3	Pressure relief valve requirement (basis: BACT, cumulative increase, offsets)		Y	
BAAQMD Condition # 10696				

IV. Source-specific Applicable Requirements

Table IV – BD Cluster 01b
Source-specific Applicable Requirements
S529 – Tank A-529, S530 – Tank A-530, S1418 – Tank A-750

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 1	Requirement for abatement by A-12 (basis: Reg. 1-301, toxics)	Y	
Part 2	Fugitive component inspection and maitenance (basis: cumulative increase, offsets, Regulation 8-18, Regulation 8-25, Regulation 8-28)	Y	
Part 3	Pressure relief valve requirement (basis: BACT, cumulative increase, offsets)	Y	
Part 4	Fugitive component count and emission offsetting requirements (basis: cumulative increase, BACT)	Y	
BAAQMD Condition # 19528			
Part 1	Throughput limit (basis: Regulation 2-1-234.3, Regulation 2-1-403 Regulation 2-6-503)	Y	

Table IV – BE Cluster 01b
Source-specific Applicable Requirements
S651 – Tank A-651

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Reg 8 Rule 5	**Exempt**		**Y**	
Refinery MACT	**NESHAP for Petroleum Refineries** **REQUIREMENTS FOR RECORDKEEPING ONLY**		**Y**	
63.642(e)	**General recordkeeping requirements:** Time period for keeping records, unless specified otherwise.	63.642(e) & 63.654(i)(4) **keep all other records 5 years, retrievable within 24 hr**	**Y**	
	General recordkeeping requirements: Keep all reports and notification for the specified period of time.	63.642(e) & 63.654(i)(4) **required**	**Y**	
63.654(i)	**Applicability records:** Time period for keeping records of applicability determination, unless specified otherwise.	63.654(i)(1) 63.123(a) **Keep record readily accessible for the service life of the tank**	**Y**	

IV. Source-specific Applicable Requirements

Table IV – BE Cluster 01b
Source-specific Applicable Requirements
S651 – Tank A-651

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	Applicability records: Records of dimensions & capacity required for nonexempt tanks?	63.654(i)(1) 63.646(a)&63.119(a)(3) 63.123(a) **Required** **Keep record readily accessible for service life of the tank ***	**Y**	
	Applicability records: Additional recordkeeping requirements for certain tanks.	63.654(i)(1)(iv) **determination of HAP content** **Keep record readily accessible for service life of the tank**	Y	
BAAQMD Condition # 13725	**Permit Conditions**			
Part 1	Requirement to comply with provisions of Reg. 8-5 applicable to external floating roof tanks storing organic liquids with a true vapor pressure greater than 0.5 psia. (basis: Reg 2-1-403)		Y	
BAAQMD Condition # 19528				
Part 1	Throughput limit (basis: Regulation 2-1-234.3, Regulation 2-1-403 Regulation 2-6-503)		Y	

IV. Source-specific Applicable Requirements

Table IV – BF Cluster 01b
Source-specific Applicable Requirements
S2 – Tank A-002, S3 –Tank A-003, S9 – Tank A-009, S10 – Tank A-010, S11 – Tank A-011, S15 – Tank A-015, S36 – Tank A-036, S45 – Tank A-045, S70 – Tank A-070,
S71 – Tank A-071, S209 – Tank A-209, S220 – Tank A-220,
S221 - Tank A-221, S222 – Tank A-222, S226 – Tank A-226, S228 – Tank A-228,
S229 - Tank A-229, S230 – Tank A-230, S232 – Tank A-232, S233 – Tank A-233,
S234 - Tank A-234, S235 – Tank A-235, S236 – Tank A-236, S237 – Tank A-237,
S238 - Tank A-238, S242 – Tank A-242, S243 – Tank A-243, S244 – Tank A-244,
S245 – Tank A-245, S246 – Tank A-246, S247 – Tank A-247,
S269 - Tank A-269, S271 – Tank A-271, S273 – Tank A-273, S325 – Tank A-325,
S368 - Tank A-368, S369 – Tank A-369, S374 – Tank A-374, S378 – Tank A-378,
S406 – Tank A-406, S429 – Tank A-429, S453 – Tank A-453,
S489 - Tank A-489, S494 – Tank A-494, S495 – Tank A-495, S496 – Tank A-496,
S503 - Tank A-503, S517 – Tank A-517, S574 – Tank A-574,
S585 – Tank A-585, S586 – Tank A-586, S587 – Tank A-587, S588 – Tank A-588,
S602 - Tank A-602, S604 – Tank A-604, S613 – Tank A-613, S620 – Tank A-620,
S621 - Tank A-621, S629 – Tank A-629, S654 – Tank A-654, S672 – Tank A-672,
S700 - Tank A-700, S771 – Tank A-713, S1024 – Tank A-717,
S45 (~~12759~~B2759) – Tank B-045, S46 (~~12759~~B2759) – Tank B-046

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Reg 8 Rule 5	**Exempt**		**Y**	
Refinery MACT	**NESHAP for Petroleum Refineries REQUIREMENTS FOR RECORDKEEPING ONLY**		**Y**	
63.642(e)	**General recordkeeping requirements:** Time period for keeping records, unless specified otherwise.	63.642(e) & 63.654(i)(4) **keep all other records 5 years, retrievable within 24 hr**	Y	
	General recordkeeping requirements: Keep all reports and notification for the specified period of time.	63.642(e) & 63.654(i)(4) **required**	**Y**	
63.654(i)	**Applicability records:** Time period for keeping records of applicability determination, unless specified otherwise.	63.654(i)(1) 63.123(a) **Keep record readily accessible for the service life of the tank**	**Y**	
	Applicability records: Records of dimensions & capacity required for nonexempt tanks?	63.654(i)(1) 63.646(a)&63.119(a)(3) 63.123(a) **Required Keep record readily accessible for service life of the tank ***	**Y**	

IV. Source-specific Applicable Requirements

Table IV – BF Cluster 01b
Source-specific Applicable Requirements
S2 – Tank A-002, S3 –Tank A-003, S9 – Tank A-009, S10 – Tank A-010, S11 – Tank A-011, S15 – Tank A-015, S36 – Tank A-036, S45 – Tank A-045, S70 – Tank A-070,
S71 – Tank A-071, S209 – Tank A-209, S220 – Tank A-220,
S221 - Tank A-221, S222 – Tank A-222, S226 – Tank A-226, S228 – Tank A-228,
S229 - Tank A-229, S230 – Tank A-230, S232 – Tank A-232, S233 – Tank A-233,
S234 - Tank A-234, S235 – Tank A-235, S236 – Tank A-236, S237 – Tank A-237,
S238 - Tank A-238, S242 – Tank A-242, S243 – Tank A-243, S244 – Tank A-244,
S245 – Tank A-245, S246 – Tank A-246, S247 – Tank A-247,
S269 - Tank A-269, S271 – Tank A-271, S273 – Tank A-273, S325 – Tank A-325,
S368 - Tank A-368, S369 – Tank A-369, S374 – Tank A-374, S378 – Tank A-378,
S406 – Tank A-406, S429 – Tank A-429, S453 – Tank A-453,
S489 - Tank A-489, S494 – Tank A-494, S495 – Tank A-495, S496 – Tank A-496,
S503 - Tank A-503, S517 – Tank A-517, S574 – Tank A-574,
S585 – Tank A-585, S586 – Tank A-586, S587 – Tank A-587, S588 – Tank A-588,
S602 - Tank A-602, S604 – Tank A-604, S613 – Tank A-613, S620 – Tank A-620,
S621 - Tank A-621, S629 – Tank A-629, S654 – Tank A-654, S672 – Tank A-672,
S700 - Tank A-700, S771 – Tank A-713, S1024 – Tank A-717,
S45 (~~12759~~B2759) – Tank B-045, S46 (~~12759~~B2759) – Tank B-046

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	Applicability records: Additional recordkeeping requirements for certain tanks.	63.654(i)(1)(iv) **determination of HAP content** **Keep record readily accessible for service life of the tank**	**Y**	
BAAQMD Condition # 21849	S613 Tank A-613 ONLY Startup conditions			
Part 1	Final fugitive count (basis: cumulative increase, offsets, toxics risk screen)		Y	
Part 2	Correct offsets if necessary (basis: offsets)		Y	
Part 3	Light hydrocarbon valves shall be BACT compliant, POC's shall not exceed 100 ppm (basis: BACT, Reg 8-18, toxics risk screen)		Y	
Part 4	Light hydrocarbon flanges and connectors shall be BACT compliant, POC's shall not exceed 100 ppm (basis: BACT, Reg 8-18, toxics risk screen)		Y	
Part 5	Light hydrocarbon pump seals shall be BACT compliant, POC's shall not exceed 500 ppm (basis: BACT, Reg 8-18, toxics risk screen)		Y	
Part 6	Light hydrocarbon pressure relief valves shall vent back to the refinery fuel gas system or abatement with POC capture and destruction of 98% by weight (basis: BACT, Reg 8-28, toxics risk screen)		Y	
Part 7	Integrate all new fugitives in organic service into the facility fugitive equipment monitoring and repair program (basis: BACT, Reg 8-18)		Y	

IV. Source-specific Applicable Requirements

Table IV - BF Cluster 01b-1
Source-specific Applicable Requirements
S700 - Tank A-700

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 8	**Organic Compounds – OIL WATER SEPARATORS (6/15/94)**		
8-8-305	Oil-Water Separator And/Or Air Flotation Unit Slop Oil Vessels	Y	
8-8-305.2	An organic compound vapor reacovery system with combined collection and destruction efficiency of at least 70% by weight.	Y	
NSPS Part 60 Subpart QQQ	**Standards of Performance for VOC Emission From Petroleum Refinery Wastewater Systems (7/18/95);**		
60.690(a)(1)	Applicability	Y	
60.691	Definitions	Y	
60.692-1(a)	Standards: General	Y	
60.692-1(b)	Standards: General	Y	
60.692-3	Standards: Oil-water Separators	Y	
60.692-3(a)	Each oil-water separator tank, slop oil tank, storage vessel, or other auxiliary equipment shall be equipped and operated with a fixed roof.	Y	
60.692-3(a)(1)	The fixed roof shall completely cover the separator tank, slop oil tank, storage vessel, or other auxiliary equipment with no separation between the roof and wall.	Y	
60.692-3(a)(2)	The vapor space under a fixed roof shall not be purged unless the vapor is directed to a control device.	Y	
60.692-3(a)(3)	Openings shall be gasketed, latched, and closed at all times during operation except during inspection and maintenance.	Y	
60.692-3(a)(4)	Roof seals, access doors, and other openings shall be checked by visual inspection initially and semiannually thereafter to ensure no cracks or gaps.	Y	
60.692-3(a)(5)	Reapirs shall be made as soon as practicable, but not later than 15 calendar days after identified, except as provided in 60.692-6.	Y	
60.692-3(d)	Storage vessels, including slop oil tanks subject to 60.112, 60.112a, and 60.112b ad associated requirements, 40 CFR part 60 subparts K, Ka, or Kb are not subject to the requirements of this section.	Y	

IV. Source-specific Applicable Requirements

Table IV - BF Cluster 01b-1
Source-specific Applicable Requirements
S700 - Tank A-700

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.692-3(e)	Slop oil from an oil-water separator tank and oily wastewater from slop oil handling equipment shall be collected, stored, transported, recycled, reused, or disposed of in an enclosed system. Equipment shall be equipped with a fixed roof meeting 60.692-3(a).	Y	
60.692-3(f)	Each oil-water separator tank, slop oil tank, storage vessel, or other auxiliary equipment that complies with 60.692-3(a) and not 60.692-3(b) may be equipped with a pressure control valve as necessary for proper system operation.	Y	
60.692-6	Delay of Repair Standards	Y	
60.692-6(a)	Delay of Repair Standards	Y	
60.692-6(b)	Delay of Repair Standards	Y	
60.697	Recordkeeping	Y	
60.697(a)	Recordkeeping: general	Y	
60.697(c)	Recordkeeping for 60.692-3	Y	
60.697(e)(1)	Recordkeeping: repairs and corrections	Y	
60.697(e)(2)	Recordkeeping: reason for delay	Y	
60.697(e)(3)	Recordkeeping: signature of decision maker	Y	
60.697(e)(4)	Recordkeeping: date of successful repair or corrective action	Y	
60.697(f)(1)	Recordkeeping: design specifications retained for life of source and accessible	Y	
60.697(f)(2)	Recordkeeping: Information to be kept.	Y	
60.698(c)	Reporting	Y	
BAAQMD Condition 21053			
Part 6	Source Test (basis: Reg-8-8-305.2)	Y	

IV. Source-specific Applicable Requirements

Table IV – BG Cluster 01b
Source-specific Applicable Requirements
S57 – Tank A-057

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Reg 8 Rule 5	**Exempt**		**Y**	
Refinery MACT	**NESHAP for Petroleum Refineries** **REQUIREMENTS FOR RECORDKEEPING ONLY**		**Y**	
63.642(e)	**General recordkeeping requirements:** Time period for keeping records, unless specified otherwise.	63.642(e) & 63.654(i)(4) **keep all other records** **5 years,** **retrievable within 24 hr**	Y	
	General recordkeeping requirements: Keep all reports and notification for the specified period of time.	63.642(e) & 63.654(i)(4) **required**	**Y**	
63.654(i)	**Applicability records:** Time period for keeping records of applicability determination, unless specified otherwise.	63.654(i)(1) 63.123(a) **Keep record readily accessible for the service life of the tank**	**Y**	
	Applicability records: Records of dimensions & capacity required for nonexempt tanks?	63.654(i)(1) 63.646(a)&63.119(a)(3) 63.123(a) **Required** **Keep record readily accessible for service life of the tank ***	**Y**	
	Applicability records: Additional recordkeeping requirements for certain tanks.	63.654(i)(1)(iv) **determination of HAP content** **Keep record readily accessible for service life of the tank**	**Y**	

IV. Source-specific Applicable Requirements

Table IV – BH Cluster 01b – Out-Of-Service
Source-specific Applicable Requirements
S655 – Tank A-655, S657 – Tank A-657

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Reg 8 Rule 5	**Exempt**		**Y**	
Refinery MACT	**NESHAP for Petroleum Refineries** **REQUIREMENTS FOR RECORDKEEPING ONLY**		**Y**	
63.642(e)	**General recordkeeping requirements:** Time period for keeping records, unless specified otherwise.	63.642(e) & 63.654(i)(4) **keep all other records** **5 years,** **retrievable within 24 hr**	Y	
	General recordkeeping requirements: Keep all reports and notification for the specified period of time.	63.642(e) & 63.654(i)(4) **required**	**Y**	
63.654(i)	**Applicability records:** Time period for keeping records of applicability determination, unless specified otherwise.	63.654(i)(1) 63.123(a) **Keep record readily accessible for the service life of the tank**	**Y**	
	Applicability records: Records of dimensions & capacity required for nonexempt tanks?	63.654(i)(1) 63.646(a)&63.119(a)(3) 63.123(a) **Required** **Keep record readily accessible for service life of the tank ***	**Y**	
	Applicability records: Additional recordkeeping requirements for certain tanks.	63.654(i)(1)(iv) **determination of HAP content** **Keep record readily accessible for service life of the tank**	**Y**	
BAAQMD Condition # 8548	**Permit Conditions**			
Part 1	Requirement for abatement by A-12 (basis: Reg. 1-301, toxics)		Y	
Part 2	Fugitive component inspection and maitenance (basis: cumulative increase, offsets, Regulation 8-18, Regulation 8-25, Regulation 8-28)		Y	
Part 3	Pressure relief valve requirement (basis: BACT, cumulative increase, offsets)		Y	
BAAQMD Condition # 19528				

IV. Source-specific Applicable Requirements

Table IV – BH Cluster 01b – Out-Of-Service
Source-specific Applicable Requirements
S655 – Tank A-655, S657 – Tank A-657

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 1	Throughput limit (basis: Regulation 2-1-234.3, Regulation 2-1-403 Regulation 2-6-503)	Y	

Table IV – BI Cluster 01b – Out-Of-Service
Source-specific Applicable Requirements
S14 – Tank A-014, S27 – Tank A-027, S29 – Tank A-029, S30 – Tank A-030, S56 – Tank A-056, S131 – Tank A-131, S212 – Tank A-212, S434 – Tank A-434, S452 – Tank A-452, S493 – Tank A-493, S504 – Tank A-504, S662 – Tank A-662, S663 – Tank A-663,S741 – Tank,

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Reg 8 Rule 5	**Exempt**		**Y**	
Refinery MACT	**NESHAP for Petroleum Refineries** **REQUIREMENTS FOR RECORDKEEPING ONLY**		**Y**	
63.642(e)	**General recordkeeping requirements:** Time period for keeping records, unless specified otherwise.	63.642(e) & 63.654(i)(4) **keep all other records 5 years, retrievable within 24 hr**	Y	
	General recordkeeping requirements: Keep all reports and notification for the specified period of time.	63.642(e) & 63.654(i)(4) **required**	**Y**	
63.654(i)	**Applicability records:** Time period for keeping records of applicability determination, unless specified otherwise.	63.654(i)(1) 63.123(a) **Keep record readily accessible for the service life of the tank**	**Y**	
	Applicability records: Records of dimensions & capacity required for nonexempt tanks?	63.654(i)(1) 63.646(a)&63.119(a)(3) 63.123(a) **Required** **Keep record readily accessible for service life of the tank ***	Y	

IV. Source-specific Applicable Requirements

Table IV – BI Cluster 01b – Out-Of-Service
Source-specific Applicable Requirements
S14 – Tank A-014, S27 – Tank A-027, S29 – Tank A-029,
S30 – Tank A-030, S56 – Tank A-056, S131 – Tank A-131, S212 – Tank A-212,
S434 – Tank A-434, S452 – Tank A-452, S493 – Tank A-493, S504 – Tank A-504,
S662 – Tank A-662, S663 – Tank A-663,S741 – Tank,

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	Applicability records: Additional recordkeeping requirements for certain tanks.	63.654(i)(1)(iv) **determination of HAP content** **Keep record readily accessible for service life of the tank**	**Y**	

Table IV – BJ Cluster 02
Source-specific Applicable Requirements
S739 – Tank, S746 – Tank

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Reg 8 Rule 5	**Organic Compounds - STORAGE OF ORGANIC LIQUIDS (11/27/02)**			
8-5-110.3	**Exemption, less than 2008 gallons, built before 1/9/1976 and submerged pipe**		**Y**	
Refinery MACT	**NESHAP for Petroleum Refineries** **REQUIREMENTS FOR RECORDKEEPING ONLY**		**Y**	
63.642(e)	**General recordkeeping requirements:** Time period for keeping records, unless specified otherwise.	63.642(e) & 63.654(i)(4) **keep all other records 5 years, retrievable within 24 hr**	**Y**	
	General recordkeeping requirements: Keep all reports and notification for the specified period of time.	63.642(e) & 63.654(i)(4) **required**	**Y**	
63.654(i)	**Applicability records:** Time period for keeping records of applicability determination, unless specified otherwise.	63.654(i)(1) 63.123(a) **Keep record readily accessible for the service life of the tank**	**Y**	

IV. Source-specific Applicable Requirements

Table IV – BJ Cluster 02
Source-specific Applicable Requirements
S739 – Tank, S746 – Tank

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	Applicability records: Records of dimensions & capacity required for nonexempt tanks?	63.654(i)(1) 63.646(a)&63.119(a)(3) 63.123(a) **Required** **Keep record readily accessible for service life of the tank ***	**Y**	
	Applicability records: Additional recordkeeping requirements for certain tanks.	63.654(i)(1)(iv) **determination of HAP content** **Keep record readily accessible for service life of the tank**	**Y**	
BAAQMD Condition # 19528				
Part 1	Throughput limit (basis: Regulation 2-1-234.3, Regulation 2-1-403 Regulation 2-6-503)		Y	

Table IV – BJa Cluster 03
Source-specific Applicable Requirements
S1473 Pressurized Storage Tank abated by vapor recovery

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Reg 8 Rule 5	**Organic Compounds - STORAGE OF ORGANIC LIQUIDS (11/27/02)**		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO	Y	
8-5-111.1.1	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO; 3 day prior notification	Y	
8-5-111.1.2	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO; Telephone notification	Y	
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service; Compliance before notification	Y	

IV. Source-specific Applicable Requirements

Table IV – BJa Cluster 03
Source-specific Applicable Requirements
S1473 Pressurized Storage Tank abated by vapor recovery

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
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; 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	
8-5-112.1	Limited Exemption, Tanks in Operation; Notice to the APCO		Y	
8-5-112.1.1	Limited Exemption, Tanks in Operation; Notice to the APCO; 3 day prior notification		Y	
8-5-112.1.2	Limited Exemption, Tanks in Operation; Notice to the APCO; Telephone notification		Y	
8-5-112.2	Limited Exemption, Tanks in Operation; Compliance and certification before commencement of work		Y	
8-5-112.3	Limited Exemption, Tanks in Operation; No product movement; minimization of emissions		Y	
8-5-112.4	Limited Exemption, Tanks in Operation; Exemption does not exceed 7 days		Y	
8-5-301	Storage Tank Control Requirements		Y	
8-5-302	Requirements for Submerged Fill Pipes		Y	
8-5-303	Requirements for Pressure Vacuum Valve		Y	
8-5-306	Requirements for Approved Emission Control Systems		Y	
8-5-307	Requirements for Pressure Tanks and Blanketed Tanks		Y	
8-5-328	Tank Degassing Requirements		Y	
8-5-403	Inspection Requirements for Pressure Vacuum Valves		Y	
8-5-404	Certification		Y	
8-5-405	Information Required		Y	
8-5-501	Records		Y	
8-5-502	Tank Degassing Annual Source Test Requirement		Y	
8-5-503	Portable Hydrocarbon Detector		Y	
Refinery MACT	**NESHAP for Petroleum Refineries REQUIREMENTS FOR RECORDKEEPING ONLY**		**Y**	
63.642(e)	**General recordkeeping requirements:** Time period for keeping records, unless specified otherwise.	63.642(e) & 63.654(i)(4) **keep all other records 5 years, retrievable within 24 hr**	**Y**	

IV. Source-specific Applicable Requirements

Table IV – BJa Cluster 03
Source-specific Applicable Requirements
S1473 Pressurized Storage Tank abated by vapor recovery

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	General recordkeeping requirements: Keep all reports and notification for the specified period of time.	63.642(e) & 63.654(i)(4) **required**	**Y**	
63.654(i)	**Applicability records:** Time period for keeping records of applicability determination, unless specified otherwise.	63.654(i)(1) 63.123(a) **Keep record readily accessible for the service life of the tank**	**Y**	
	Applicability records: Records of dimensions & capacity required for nonexempt tanks?	63.654(i)(1) 63.646(a)&63.119(a)(3) 63.123(a) **Required** **Keep record readily accessible for service life of the tank ***	**Y**	
	Applicability records: Additional recordkeeping requirements for certain tanks.	63.654(i)(1)(iv) **determination of HAP content** **Keep record readily accessible for service life of the tank**	**Y**	
BAAQMD Condition # 19197				
Part 1	Abatement at all times (basis: cumulative increase)		Y	
Part 2	Throughput limit (basis: cumulative increase)		Y	
Part 3	Starup Condition: report actual fugitive count (basis: cumulative increase, offsets)		Y	
Part 4	Startup Condition: supply offsets if owed (basis: offsets)		Y	
Part 5	POC emissions from Flanges and connectors shall not exceed 100 ppm (basis: cumulative increase, Reg 8-18)		Y	
Part 6	POC emissions from Valves shall not exceed 100 ppm (basis: cumulative increase, Reg 8-18)		Y	
Part 7	Throughput records (basis: cumulative increase)		Y	

IV. Source-specific Applicable Requirements

Table IV – BK Cluster 05
Source-specific Applicable Requirements
S795 – Tank A-307

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Reg 8 Rule 5	**Organic Compounds - STORAGE OF ORGANIC LIQUIDS (11/27/02)**		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO	Y	
8-5-111.1.1	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO; 3 day prior notification	Y	
8-5-111.1.2	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO; Telephone notification	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; 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	
8-5-112.1	Limited Exemption, Tanks in Operation; Notice to the APCO	Y	
8-5-112.1.1	Limited Exemption, Tanks in Operation; Notice to the APCO; 3 day prior notification	Y	
8-5-112.1.2	Limited Exemption, Tanks in Operation; Notice to the APCO; Telephone notification	Y	
8-5-112.2	Limited Exemption, Tanks in Operation; Compliance and certification before commencement of work	Y	
8-5-112.3	Limited Exemption, Tanks in Operation; No product movement; minimization of emissions	Y	
8-5-112.4	Limited Exemption, Tanks in Operation; Exemption does not exceed 7 days	Y	
8-5-301	Storage Tank Control Requirements	Y	
8-5-302	Requirements for Submerged Fill Pipes	Y	
8-5-303	Requirements for Pressure Vacuum Valve	Y	
8-5-306	Requirements for Approved Emission Control Systems	Y	
8-5-328	Tank Degassing Requirements	Y	

IV. Source-specific Applicable Requirements

Table IV – BK Cluster 05
Source-specific Applicable Requirements
S795 – Tank A-307

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
8-5-403	Inspection Requirements for Pressure Vacuum Valves		Y	
8-5-404	Certification		Y	
8-5-405	Information Required		Y	
8-5-501	Records		Y	
8-5-502	Tank Degassing Annual Source Test Requirement		Y	
8-5-503	Portable Hydrocarbon Detector		Y	
Refinery MACT	**NESHAP for Petroleum Refineries REQUIREMENTS FOR RECORDKEEPING ONLY**		**Y**	
63.642(e)	**General recordkeeping requirements:** Time period for keeping records, unless specified otherwise.	63.642(e) & 63.654(i)(4) **keep all other records 5 years, retrievable within 24 hr**	**Y**	
	General recordkeeping requirements: Keep all reports and notification for the specified period of time.	63.642(e) & 63.654(i)(4) **required**	**Y**	
63.654(i)	**Applicability records:** Time period for keeping records of applicability determination, unless specified otherwise.	63.654(i)(1) 63.123(a) **Keep record readily accessible for the service life of the tank**	**Y**	
	Applicability records: Records of dimensions & capacity required for nonexempt tanks?	63.654(i)(1) 63.646(a)&63.119(a)(3) 63.123(a) **Required Keep record readily accessible for service life of the tank ***	**Y**	
	Applicability records: Additional recordkeeping requirements for certain tanks.	63.654(i)(1)(iv) **determination of HAP content Keep record readily accessible for service life of the tank**	**Y**	
BAAQMD Condition # 5711	**Permit Conditions**			
Part 1	Throughput limit (basis: toxics, cumulative increase)		Y	
Part 2	Limit on what may be stored (basis: toxics, cumulative increase)		Y	
Part 3	Requirement for abatement (basis: toxics, cumulative increase)		Y	
Part 4	Record keeping (basis: toxics, cumulative increase)		Y	

IV. Source-specific Applicable Requirements

Table IV – BK Cluster 05
Source-specific Applicable Requirements
S795 – Tank A-307

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Condition # 19528			
Part 1	Throughput limit (basis: Regulation 2-1-234.3, Regulation 2-1-403 Regulation 2-6-503)	Y	

Table IV – BL Cluster 11
Source-specific Applicable Requirements
S694 – Tank A-694

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Reg 8 Rule 5	**Organic Compounds - STORAGE OF ORGANIC LIQUIDS REQUIREMENTS (11/27/02)**		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO	Y	
8-5-111.1.1	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO; 3 day prior notification	Y	
8-5-111.1.2	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO; Telephone notification	Y	
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service; Compliance before notification	Y	
8-5-111.3	Limited Exemption, Tank Removal From and Return to Service; Floating roof tanks - continuous and quick filling, emptying and refilling	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; 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	
8-5-112.1	Limited Exemption, Tanks in Operation; Notice to the APCO	Y	

IV. Source-specific Applicable Requirements

Table IV – BL Cluster 11
Source-specific Applicable Requirements
S694 – Tank A-694

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
8-5-112.1.1	Limited Exemption, Tanks in Operation; Notice to the APCO; 3 day prior notification		Y	
8-5-112.1.2	Limited Exemption, Tanks in Operation; Notice to the APCO; Telephone notification		Y	
8-5-112.2	Limited Exemption, Tanks in Operation; Compliance and certification before commencement of work		Y	
8-5-112.3	Limited Exemption, Tanks in Operation; No product movement; minimization of emissions		Y	
8-5-112.4	Limited Exemption, Tanks in Operation; Exemption does not exceed 7 days		Y	
8-5-301	Storage Tank Control Requirements		Y	
8-5-302	Requirements for Submerged Fill Pipes		Y	
8-5-304	Requirements for External Floating Roofs		Y	
8-5-320	Tank Fitting Requirements		Y	
8-5-321	Primary Seal Requirements		Y	
8-5-322	Secondary Seal Requirements		Y	
8-5-328	Tank Degassing Requirements		Y	
8-5-401	Inspection Requirements for External Floating Roof		Y	
8-5-403	Inspection Requirements for Pressure Vacuum Valves		Y	
8-5-404	Certification		Y	
8-5-405	Information Required		Y	
8-5-501	Records		Y	
8-5-502	Tank Degassing Annual Source Test Requirement		Y	
8-5-503	Portable Hydrocarbon Detector		Y	
Refinery MACT	**NESHAP for Petroleum Refineries REQUIREMENTS FOR RECORDKEEPING ONLY**		**Y**	
63.642(e)	**General recordkeeping requirements:** Time period for keeping records, unless specified otherwise.	63.642(e) & 63.654(i)(4) **keep all other records 5 years, retrievable within 24 hr**	Y	
	General recordkeeping requirements: Keep all reports and notification for the specified period of time.	63.642(e) & 63.654(i)(4) **required**	Y	

IV. Source-specific Applicable Requirements

Table IV – BL Cluster 11
Source-specific Applicable Requirements
S694 – Tank A-694

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
63.654(i)	**Applicability records:** Time period for keeping records of applicability determination, unless specified otherwise.	63.654(i)(1) 63.123(a) **Keep record readily accessible for the service life of the tank**	Y	
	Applicability records: Records of dimensions & capacity required for nonexempt tanks?	63.654(i)(1) 63.646(a)&63.119(a)(3) 63.123(a) **Required** **Keep record readily accessible for service life of the tank ***	Y	
	Applicability records: Additional recordkeeping requirements for certain tanks.	63.654(i)(1)(iv) **determination of HAP content** **Keep record readily accessible for service life of the tank**	Y	
BAAQMD Condition # 19528				
Part 1	Throughput limit (basis: Regulation 2-1-234.3, Regulation 2-1-403 Regulation 2-6-503)		Y	

Table IV – BM Cluster 11
Source-specific Applicable Requirements
S701 – Tank A-701

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Reg 8 Rule 5	**Organic Compounds - STORAGE OF ORGANIC LIQUIDS REQUIREMENTS (11/27/02)**		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO	Y	
8-5-111.1.1	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO; 3 day prior notification	Y	

IV. Source-specific Applicable Requirements

Table IV – BM Cluster 11
Source-specific Applicable Requirements
S701 – Tank A-701

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-5-111.1.2	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO; Telephone notification	Y	
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service; Compliance before notification	Y	
8-5-111.3	Limited Exemption, Tank Removal From and Return to Service; Floating roof tanks - continuous and quick filling, emptying and refilling	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; 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	
8-5-112.1	Limited Exemption, Tanks in Operation; Notice to the APCO	Y	
8-5-112.1.1	Limited Exemption, Tanks in Operation; Notice to the APCO; 3 day prior notification	Y	
8-5-112.1.2	Limited Exemption, Tanks in Operation; Notice to the APCO; Telephone notification	Y	
8-5-112.2	Limited Exemption, Tanks in Operation; Compliance and certification before commencement of work	Y	
8-5-112.3	Limited Exemption, Tanks in Operation; No product movement; minimization of emissions	Y	
8-5-112.4	Limited Exemption, Tanks in Operation; Exemption does not exceed 7 days	Y	
8-5-301	Storage Tank Control Requirements	Y	
8-5-302	Requirements for Submerged Fill Pipes	Y	
8-5-304	Requirements for External Floating Roofs	Y	
8-5-320	Tank Fitting Requirements	Y	
8-5-321	Primary Seal Requirements	Y	
8-5-322	Secondary Seal Requirements	Y	
8-5-328	Tank Degassing Requirements	Y	
8-5-401	Inspection Requirements for External Floating Roof	Y	
8-5-403	Inspection Requirements for Pressure Vacuum Valves	Y	
8-5-404	Certification	Y	

IV. Source-specific Applicable Requirements

Table IV – BM Cluster 11
Source-specific Applicable Requirements
S701 – Tank A-701

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
8-5-405	Information Required		Y	
8-5-501	Records		Y	
8-5-502	Tank Degassing Annual Source Test Requirement		Y	
8-5-503	Portable Hydrocarbon Detector		Y	
Refinery MACT	**NESHAP for Petroleum Refineries** **REQUIREMENTS FOR RECORDKEEPING ONLY**		Y	
63.642(e)	**General recordkeeping requirements:** Time period for keeping records, unless specified otherwise.	63.642(e) & 63.654(i)(4) **keep all other records** **5 years,** **retrievable within 24 hr**	Y	
	General recordkeeping requirements: Keep all reports and notification for the specified period of time.	63.642(e) & 63.654(i)(4) **required**	Y	
63.654(i)	**Applicability records:** Time period for keeping records of applicability determination, unless specified otherwise.	63.654(i)(1) 63.123(a) **Keep record readily accessible for the service life of the tank**	Y	
	Applicability records: Records of dimensions & capacity required for nonexempt tanks?	63.654(i)(1) 63.646(a)&63.119(a)(3) 63.123(a) **Required** **Keep record readily accessible for service life of the tank ***	Y	
	Applicability records: Additional recordkeeping requirements for certain tanks.	63.654(i)(1)(iv) **determination of HAP content** **Keep record readily accessible for service life of the tank**	Y	
BAAQMD Condition # 11897	**Permit Conditions**			
Part 1	Design specifications (basis: Reg. 8-5, cumulative increase)		Y	
Part 2	Requirement to notify the District regarding tank seals (basis: Reg. 8-5, cumulative increase)		Y	
BAAQMD Condition # 19528				

IV. Source-specific Applicable Requirements

Table IV – BM Cluster 11
Source-specific Applicable Requirements
S701 – Tank A-701

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 1	Throughput limit (basis: Regulation 2-1-234.3, Regulation 2-1-403 Regulation 2-6-503)	Y	

Table IV – BN Cluster 12 – Out-Of-Service
Source-specific Applicable Requirements
S499 – Tank A-499, S510 – Tank A-510

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Reg 8 Rule 5	**Organic Compounds - STORAGE OF ORGANIC LIQUIDS (11/27/02)**		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO	Y	
8-5-111.1.1	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO; 3 day prior notification	Y	
8-5-111.1.2	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO; Telephone notification	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; 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	
8-5-112.1	Limited Exemption, Tanks in Operation; Notice to the APCO	Y	
8-5-112.1.1	Limited Exemption, Tanks in Operation; Notice to the APCO; 3 day prior notification	Y	
8-5-112.1.2	Limited Exemption, Tanks in Operation; Notice to the APCO; Telephone notification	Y	

IV. Source-specific Applicable Requirements

Table IV – BN Cluster 12 – Out-Of-Service
Source-specific Applicable Requirements
S499 – Tank A-499, S510 – Tank A-510

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
8-5-112.2	Limited Exemption, Tanks in Operation; Compliance and certification before commencement of work		Y	
8-5-112.3	Limited Exemption, Tanks in Operation; No product movement; minimization of emissions		Y	
8-5-112.4	Limited Exemption, Tanks in Operation; Exemption does not exceed 7 days		Y	
8-5-301	Storage Tank Control Requirements		Y	
8-5-302	Requirements for Submerged Fill Pipes		Y	
8-5-303	Requirements for Pressure Vacuum Valve		Y	
8-5-305	Requirements for Internal Floating Roofs		Y	
8-5-320	Tank Fitting Requirements		Y	
8-5-321	Primary Seal Requirements		Y	
8-5-322	Secondary Seal Requirements		Y	
8-5-328	Tank Degassing Requirements		Y	
8-5-402	Inspection Requirements for Internal Floating Roof		Y	
8-5-403	Inspection Requirements for Pressure Vacuum Valves		Y	
8-5-404	Certification		Y	
8-5-405	Information Required		Y	
8-5-501	Records		Y	
8-5-502	Tank Degassing Annual Source Test Requirement		Y	
8-5-503	Portable Hydrocarbon Detector		Y	
Refinery MACT	**NESHAP for Petroleum Refineries REQUIREMENTS FOR RECORDKEEPING ONLY**		Y	
63.642(e)	**General recordkeeping requirements:** Time period for keeping records, unless specified otherwise.	63.642(e) & 63.654(i)(4) **keep all other records 5 years, retrievable within 24 hr**	Y	
	General recordkeeping requirements: Keep all reports and notification for the specified period of time.	63.642(e) & 63.654(i)(4) **required**	Y	
63.654(i)	**Applicability records:** Time period for keeping records of applicability determination, unless specified otherwise.	63.654(i)(1) 63.123(a) **Keep record readily accessible for the service life of the tank**	Y	

IV. Source-specific Applicable Requirements

Table IV – BN Cluster 12 – Out-Of-Service
Source-specific Applicable Requirements
S499 – Tank A-499, S510 – Tank A-510

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	Applicability records: Records of dimensions & capacity required for nonexempt tanks?	63.654(i)(1) 63.646(a)&63.119(a)(3) 63.123(a) **Required** **Keep record readily accessible for service life of the tank ***	Y	
	Applicability records: Additional recordkeeping requirements for certain tanks.	63.654(i)(1)(iv) **determination of HAP content** **Keep record readily accessible for service life of the tank**	Y	

Table IV – BO Cluster 13
Source-specific Applicable Requirements
S603 – Tank A-603, S691 – Tank A-691, S714 – Tank A-714

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Reg 8 Rule 5	**Organic Compounds - STORAGE OF ORGANIC LIQUIDS (11/27/02)**		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO	Y	
8-5-111.1.1	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO; 3 day prior notification	Y	
8-5-111.1.2	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO; Telephone notification	Y	
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service; Compliance before notification	Y	
8-5-111.4	Limited Exemption, Tank Removal From and Return to Service; Use of vapor recovery	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; Written notice of completion not required	Y	

IV. Source-specific Applicable Requirements

Table IV – BO Cluster 13
Source-specific Applicable Requirements
S603 – Tank A-603, S691 – Tank A-691, S714 – Tank A-714

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
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	
8-5-112.1	Limited Exemption, Tanks in Operation; Notice to the APCO		Y	
8-5-112.1.1	Limited Exemption, Tanks in Operation; Notice to the APCO; 3 day prior notification		Y	
8-5-112.1.2	Limited Exemption, Tanks in Operation; Notice to the APCO; Telephone notification		Y	
8-5-112.2	Limited Exemption, Tanks in Operation; Compliance and certification before commencement of work		Y	
8-5-112.3	Limited Exemption, Tanks in Operation; No product movement; minimization of emissions		Y	
8-5-112.4	Limited Exemption, Tanks in Operation; Exemption does not exceed 7 days		Y	
8-5-301	Storage Tank Control Requirements		Y	
8-5-302	Requirements for Submerged Fill Pipes		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	
8-5-403	Inspection Requirements for Pressure Vacuum Valves		Y	
8-5-404	Certification		Y	
8-5-405	Information Required		Y	
8-5-501	Records		Y	
8-5-502	Tnk Degassing Annual Source Test Requirement		Y	
8-5-503	Portable Hydrocarbon Detector		Y	
Refinery MACT	**NESHAP for Petroleum Refineries REQUIREMENTS FOR RECORDKEEPING ONLY**		Y	
63.642(e)	**General recordkeeping requirements:** Time period for keeping records, unless specified otherwise.	63.642(e) & 63.654(i)(4) **keep all other records 5 years, retrievable within 24 hr**	Y	
	General recordkeeping requirements: Keep all reports and notification for the specified period of time.	63.642(e) & 63.654(i)(4) **required**	Y	

IV. Source-specific Applicable Requirements

Table IV – BO Cluster 13
Source-specific Applicable Requirements
S603 – Tank A-603, S691 – Tank A-691, S714 – Tank A-714

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
63.654(i)	**Applicability records:** Time period for keeping records of applicability determination, unless specified otherwise.	63.654(i)(1) 63.123(a) **Keep record readily accessible for the service life of the tank**	Y	
	Applicability records: Records of dimensions & capacity required for nonexempt tanks?	63.654(i)(1) 63.646(a)&63.119(a)(3) 63.123(a) **Required** **Keep record readily accessible for service life of the tank** *	Y	
	Applicability records: Additional recordkeeping requirements for certain tanks.	63.654(i)(1)(iv) **determination of HAP content** **Keep record readily accessible for service life of the tank**	Y	
BAAQMD Condition # 8538	Permit Conditions for S714			
Part 1	Requirement for abatement (basis: cumulative increase)		Y	
Part 2	Leak limits, inspection and maintenance of fugitive devices (basis: Reg. 8-18, Reg. 8-25, Reg. 8-28)		Y	
Part 3	Requirement to vent pressure relief valves to flare gas recovery system (basis: Reg. 8-28)		Y	
BAAQMD Condition # 19528				
Part 1	Throughput limit (basis: Regulation 2-1-234.3, Regulation 2-1-403 Regulation 2-6-503)		Y	

IV. Source-specific Applicable Requirements

Table IV – BP Cluster 20
Source-specific Applicable Requirements
S707 – Tank A-707

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Reg 8 Rule 5	**Organic Compounds - STORAGE OF ORGANIC LIQUIDS REQUIREMENTS (11/27/02)**		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO	Y	
8-5-111.1.1	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO; 3 day prior notification	Y	
8-5-111.1.2	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO; Telephone notification	Y	
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service; Compliance before notification	Y	
8-5-111.3	Limited Exemption, Tank Removal From and Return to Service; Floating roof tanks - continuous and quick filling, emptying and refilling	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; 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	
8-5-112.1	Limited Exemption, Tanks in Operation; Notice to the APCO	Y	
8-5-112.1.1	Limited Exemption, Tanks in Operation; Notice to the APCO; 3 day prior notification	Y	
8-5-112.1.2	Limited Exemption, Tanks in Operation; Notice to the APCO; Telephone notification	Y	
8-5-112.2	Limited Exemption, Tanks in Operation; Compliance and certification before commencement of work	Y	
8-5-112.3	Limited Exemption, Tanks in Operation; No product movement; minimization of emissions	Y	
8-5-112.4	Limited Exemption, Tanks in Operation; Exemption does not exceed 7 days	Y	
8-5-301	Storage Tank Control Requirements	Y	
8-5-302	Requirements for Submerged Fill Pipes	Y	
8-5-304	Requirements for External Floating Roofs	Y	

IV. Source-specific Applicable Requirements

Table IV – BP Cluster 20
Source-specific Applicable Requirements
S707 – Tank A-707

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
8-5-320	Tank Fitting Requirements		Y	
8-5-321	Primary Seal Requirements		Y	
8-5-322	Secondary Seal Requirements		Y	
8-5-328	Tank Degassing Requirements		Y	
8-5-401	Inspection Requirements for External Floating Roof		Y	
8-5-403	Inspection Requirements for Pressure Vacuum Valves		Y	
8-5-404	Certification		Y	
8-5-405	Information Required		Y	
8-5-501	Records		Y	
8-5-502	Tank Degassing Annual Source Test Requirement		Y	
8-5-503	Portable Hydrocarbon Detector		Y	
Refinery MACT	**NESHAP for Petroleum Refineries REQUIREMENTS FOR TANKS ALSO SUBJECT TO NSPS Ka**			
63.640(n)	Which rule governs for storage vessels subject to the control requirements of NSPS subpart Ka but subject to only recordkeeping under Refinery MACT?	63.640(n)(6) **NSPS subpart Ka**	Y	
	Does Refinery MACT provide for delay of NSPS Ka seal gap measurements due to unsafe conditions?	63.640(n)(9)(i) **YES – up to 30 days, or empty the tank within 45 days**	Y	
	Does Refinery MACT provide for extensions of time to perform NSPS Ka inspections of unsafe tanks?	63.640(n)(9)(ii) **YES – up to 2 extensions of 30 days each**	Y	
	Does Refinery MACT provide for extensions of time to repair defects found during NSPS Ka inspections?	63.640(n)(9)(ii) **YES – up to 2 extensions of 30 days each**	Y	
	Does Refinery MACT provide for waiving the NSPS Ka prior-request requirement for extensions of time?	63.640(n)(9)(ii) **YES**	Y	
	Does Refinery MACT provide for submitting NSPS Ka documentation of the need for an extension with the next semi-annual periodic report?	63.640(n)(9)(iii) **YES**	Y	

IV. Source-specific Applicable Requirements

Table IV – BP Cluster 20
Source-specific Applicable Requirements
S707 – Tank A-707

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	Does Refinery MACT provide for submitting reports of NSPS Ka inspection failures on the semi-annual periodic report schedule?	63.640(n)(9)(iv) **YES**	Y	
NSPS Subpart Ka	**Petroleum Liquids Storage Vessels** **REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS**		**Y**	
60.112a(a)	**EFRT operating requirements:** When landing the floating roof on its support legs, is the tank to be emptied & either refilled or degassed AS SOON AS POSSIBLE?	60.112a(a)(1) **YES**	Y	
	Temporary exemption from operating requirements while the external floating roof is landed on its support legs? *	60.112a(a)(1) **EXEMPT**	Y	
	EFR Rim Seals: vapor-mounted primary seal: liquid-mounted primary seal: mechanical-shoe primary seal:	60.112a(a)(1) **OK with rim-mounted secondary** **OK with rim-mounted secondary** **OK with rim-mounted secondary**	Y	
	Shall there be no holes, tears, or openings in the EFR seals?	60.112a(a)(1)(i) & (ii) **YES**	Y	
	EFR Primary Seal Gap Inspection Criteria: maximum area: maximum gap width:	60.112a(a)(1)(i)(A) 60.112a(a)(1)(i)(B) * **10 in2 per foot of** **1.5 in.**	Y	
	Is the metallic shoe of an EFR mechanical-shoe seal required to have its bottom in the liquid and extend at least 24 in. above the liquid?	60.112a(a)(1)(i)(C) **YES**	Y	
	EFR Secondary Seal Gap Inspection Criteria: maximum area: maximum gap width:	60.112a(a)(1)(ii)(B) **1 in2 per foot of** **0.5 in.**	Y	
	Are EFR rim seals allowed to be pulled back or temporarily removed during inspection?	60.112a(a)(1)(ii)(D) **YES**	Y	

IV. Source-specific Applicable Requirements

Table IV – BP Cluster 20
Source-specific Applicable Requirements
S707 – Tank A-707

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	EFR deck openings other than for vents to project into liquid?	60.112a(a)(1)(iii) **REQUIRED**	Y	
	EFR rim space vents to remain closed except when the pressure setting is exceeded?	60.112a(a)(1)(iii) **REQUIRED**	Y	
	EFR auto. bleeder vent (vacuum breaker) to be closed except when the deck is landed?	60.112a(a)(1)(iii) **REQUIRED**	Y	
	EFR guidepole wells to have a deck cover gasket and a pole wiper?	60.112a(a)(1)(iii) **guidepole requirements are specified in FR notices** 65 FR 2336 (01/14/00) 65 FR 19891(04/13/00)	Y	
	EFRT unslotted guidepoles to have a gasketed cap at the top of the pole?	60.112a(a)(1)(iii) **Required per FR notices** 65 FR 2336 (01/14/00) 65 FR 19891(04/13/00)	Y	
	EFRT slotted guidepoles to have either an internal float or a pole sleeve?	60.112a(a)(1)(iii) **Required per FR notices** 65 FR 2336 (01/14/00) 65 FR 19891(04/13/00)	Y	
	Deck openings (wells) other than for vents, drains, or legs to have covers that are kept closed except for access?	60.112a(a)(1)(iii)&(iv) **REQUIRED** *	Y	
	EFR emergency roof drains to have seals covering at least 90% of the opening?	60.112a(a)(1)(iv) **REQUIRED**	Y	
60.113a(a)	UNSAFE CONDITIONS: Delay of EFR seal gap measurements allowed for unsafe conditions? If unable to make safe to measure, must the EFRT be emptied?	60.113a(a)(1) **not addressed** * 60.113a(a)(1) **not addressed** *	Y	
	EXTENSIONS OF TIME: If EFRT is unsafe to inspect & cannot be emptied within 45 days?	60.113a(a)(1) **not addressed** *	Y	
	EXTENSIONS OF TIME: If EFRT defects cannot be repaired & the tank cannot be emptied within 45 days?	60.113a(a)(1) **not addressed** *	Y	

IV. Source-specific Applicable Requirements

Table IV – BP Cluster 20
Source-specific Applicable Requirements
S707 – Tank A-707

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	Notification of Inspections: Are notifications of inspections to demonstrate initial compliance required, For EFR seal gap measurements:	60.113a(a)(1)(i) **Required-notifications&reports per Ongoing Reports**	Y	
	Seal Gap Measurements: FREQUENCY AFTER INITIAL COMPLIANCE, For the EFR Primary Seal:	60.113a(a)(1)(i)(A) **every 5 years**	Y	
	Seal Gap Measurements: For new EFRTs:	60.113a(a)(1)(i)(A) &(B) **measure gaps of both seals within 60 days after initial fill**	Y	
	Seal Gap Measurements: FREQUENCY AFTER INITIAL COMPLIANCE, For the EFR Secondary Seal:	60.113a(a)(1)(i)(B) **annually**	Y	
	Seal Gap Measurements: For EFRTs returned to affected service after 1 yr or more of exempt service:	60.113a(a)(1)(i)(C) **measure gaps of both seals within 60 days**	Y	
	Recordkeeping for inspections: Keep inspection reports as specified.	60.113a(a)(1)(i)(D) **Keep the record on-site for 2 years**	Y	
	Records of EFR inspection reports:	60.113a(a)(1)(i)(D) **all seal gap measurements**	Y	
	Periodic Reports: Report EFR seal gap inspections if there was no out-of-compliance?	60.113a(a)(1)(i)(E) **Not required**	Y	
	Periodic Reports: Report EFR seal gap inspections when there is out-of-compliance?	60.113a(a)(1)(i)(E) **Required within 60 days of inspection** *	Y	
	Periodic Reports: Report of EFR inspection failures to include:	60.113a(a)(1)(i)(E) **identification of tank, description of failure & required repair actions**	Y	
	MEASUREMENT COND'S: Are EFR seal gap measurements to be made with the roof floating?	60.113a(a)(1)(ii)(A) **YES**	Y	
	DETERMINATION OF EFR RIM-SEAL GAP AREAS: Presence of a gap determined by inserting a 1/8 in. probe?	60.113a(a)(1)(ii)(B) **YES**	Y	

IV. Source-specific Applicable Requirements

Table IV – BP Cluster 20
Source-specific Applicable Requirements
S707 – Tank A-707

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	DETERMINATION OF EFR RIM-SEAL GAP AREAS: Use probes of various widths to determine the gap area?	60.113a(a)(1)(ii)(C) **YES**	Y	
	DETERMINATION OF EFR RIM-SEAL GAP AREAS: Sum the gap areas & divide by the diameter of the tank?	60.113a(a)(1)(iii) **YES**	Y	
	Notification of Inspections: Is 30-day notice required prior to EFR seal gap measurements?	60.113a(a)(1)(iv) **REQUIRED**	Y	
60.115a(a)	**Applicability records:** Time period for keeping records of applicability determination, unless specified otherwise.	60.115a(a) **Keep record as long as the tank is in that service**	Y	
	Applicability records: Additional recordkeeping requirements for certain tanks.	60.115a(a) - (d) **identification & TVP of the stored product, if capacity > 40,000 gallons and TVP > 1.0 Keep record as long as the tank is in that service**	Y	
60.115a(b)	**True vapor pressure (TVP) determination for applicability:**	60.115a(b) & (c) **true vapor pressure (not maximum TVP), & thus could be based on the annual average temperature**	Y	
NSPS Subpart A	**New Source Performance Standards GENERAL PROVISIONS**		**Y**	
60.7(a)	**Initial Notification:** Is initial notification of the source's existence required?	60.7(a)(1) **notification within 30 days after begin construction**	Y	
	Report (document) having initially achieved compliance?	60.7(a)(3) **notif. of startup within 15 days, but no req. to certify compliance**	Y	
	Notification of Compliance Status report:	60.7(a)(3) **notification within 15 days after startup**	Y	
	Initial Notification: Is initial notification required if tank becomes affected only as a result of a modification?	60.7(a)(4) **notification 60 days or as soon as practicable before the change**	Y	

IV. Source-specific Applicable Requirements

Table IV – BP Cluster 20
Source-specific Applicable Requirements
S707 – Tank A-707

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
60.7(f)	**General recordkeeping requirements:** Time period for keeping records, unless specified otherwise.	60.7(f) **Keep all reports & notifications for 2 years**	Y	
	General recordkeeping requirements: Keep all reports and notification for the specified period of time.	60.7(f) **required**	Y	
60.14(g)	Achieve compliance for: New Tanks (or tanks that become affected as a result of a change or modification)?	60.14(g) **up to 180 days after modifications (otherwise prior to fill)**	Y	
BAAQMD Condition # 8517	**Permit Conditions**			
Part 1	Design specifications (basis: Reg. 8-5, cumulative increase)		Y	
Part 2	Requirement to notify the District regarding tank seals (basis: Reg. 8-5, cumulative increase)		Y	
BAAQMD Condition # 19528				
Part 1	Throughput limit (basis: Regulation 2-1-234.3, Regulation 2-1-403 Regulation 2-6-503)		Y	

Table IV – BQ Cluster 20
Source-specific Applicable Requirements
S706 – Tank A-706, S709 – Tank A-709

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Reg 8 Rule 5	**Organic Compounds - STORAGE OF ORGANIC LIQUIDS REQUIREMENTS (11/27/02)**		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service, Notification	Y	
8-5-111.1.1	Limited Exemption, Tank Removal From and Return to Service, Notification, 3 day prior notification	Y	

IV. Source-specific Applicable Requirements

Table IV – BQ Cluster 20
Source-specific Applicable Requirements
S706 – Tank A-706, S709 – Tank A-709

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-5-111.1.2	Limited Exemption, Tank Removal From and Return to Service, Notification, Telephone notification	Y	
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service, Tank in compliance prior to notification	Y	
8-5-111.3	Limited Exemption, Tank Removal From and Return to Service, Floating roof tanks	Y	
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service, Minimize emissions	Y	
8-5-111.6	Limited Exemption, Tank Removal From and Return to Service, Notice of completion not required	Y	
8-5-111.7	Limited Exemption, Tank Removal From and Return to Service, Satisfy requirements of 8-5-328	Y	
8-5-112	Limited Exemption, Tanks in Operation	Y	
8-5-112.1	Limited Exemption, Tanks in Operation, Notification	Y	
8-5-112.1.1	Limited Exemption, Tanks in Operation, Notification, 3 day prior notification	Y	
8-5-112.1.2	Limited Exemption, Tanks in Operation, Notification, Telephone notification	Y	
8-5-112.2	Limited Exemption, Tanks in Operation, Tank in compliance prior to start of work. Certified per 8-5-404	Y	
8-5-112.3	Limited Exemption, Tanks in Operation, No product movement, Minimize emissions	Y	
8-5-112.4	Limited Exemption, Tanks in Operation, Not to exceed 7 days	Y	
8-5-301	Storage Tank Control Requirements	Y	
8-5-302	Requirements for Submerged Fill Pipes	Y	
8-5-304	Requirements for External Floating Roofs	Y	
8-5-320	Tank Fitting Requirements	Y	
8-5-321	Primary Seal Requirements	Y	
8-5-322	Secondary Seal Requirements	Y	
8-5-328	Tank Degassing Requirements	Y	
8-5-401	Inspection Requirements for External Floating Roof	Y	
8-5-403	Inspection Requirements for Pressure Vacuum Valves	Y	
8-5-404	Certification	Y	
8-5-405	Information Required	Y	
8-5-501	Records	Y	

IV. Source-specific Applicable Requirements

Table IV – BQ Cluster 20
Source-specific Applicable Requirements
S706 – Tank A-706, S709 – Tank A-709

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
8-5-502	Tank Degassing Annual Source Test Requirement		Y	
8-5-503	Portable Hydrocarbon Detector		Y	
Refinery MACT	**NESHAP for Petroleum Refineries** **REQUIREMENTS FOR TANKS ALSO SUBJECT TO NSPS Ka**		Y	
63.640(n)	Which rule governs for storage vessels subject to the control requirements of NSPS subpart Ka but subject to only recordkeeping under Refinery MACT?	63.640(n)(6) **NSPS subpart Ka**	Y	
	Does Refinery MACT provide for delay of NSPS Ka seal gap measurements due to unsafe conditions?	63.640(n)(9)(i) **YES – up to 30 days, or empty the tank within 45 days**	Y	
	Does Refinery MACT provide for extensions of time to perform NSPS Ka inspections of unsafe tanks?	63.640(n)(9)(ii) **YES – up to 2 extensions of 30 days each**	Y	
	Does Refinery MACT provide for extensions of time to repair defects found during NSPS Ka inspections?	63.640(n)(9)(ii) **YES – up to 2 extensions of 30 days each**	Y	
	Does Refinery MACT provide for waiving the NSPS Ka prior-request requirement for extensions of time?	63.640(n)(9)(ii) **YES**	Y	
	Does Refinery MACT provide for submitting NSPS Ka documentation of the need for an extension with the next semi-annual periodic report?	63.640(n)(9)(iii) **YES**	Y	
	Does Refinery MACT provide for submitting reports of NSPS Ka inspection failures on the semi-annual periodic report schedule?	63.640(n)(9)(iv) **YES**	Y	
NSPS Subpart Ka	**Petroleum Liquids Storage Vessels** **REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS**		**Y**	
60.112a(a)	**EFRT operating requirements:** When landing the floating roof on its support legs, is the tank to be emptied & either refilled or degassed AS SOON AS POSSIBLE?	60.112a(a)(1) **YES**	Y	

IV. Source-specific Applicable Requirements

Table IV – BQ Cluster 20
Source-specific Applicable Requirements
S706 – Tank A-706, S709 – Tank A-709

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	Temporary exemption from operating requirements while the external floating roof is landed on its support legs? *	60.112a(a)(1) **EXEMPT**	Y	
	EFR Rim Seals: vapor-mounted primary seal: liquid-mounted primary seal: mechanical-shoe primary seal:	60.112a(a)(1) **OK with rim-mounted secondary** **OK with rim-mounted secondary** **OK with rim-mounted secondary**	Y	
	Shall there be no holes, tears, or openings in the EFR seals?	60.112a(a)(1)(i) & (ii) **YES**	Y	
	EFR Primary Seal Gap Inspection Criteria: maximum area: maximum gap width:	60.112a(a)(1)(i)(A) 60.112a(a)(1)(i)(B) * **10 in2 per foot of** **1.5 in.**	Y	
	Is the metallic shoe of an EFR mechanical-shoe seal required to have its bottom in the liquid and extend at least 24 in. above the liquid?	60.112a(a)(1)(i)(C) **YES**	Y	
	EFR Secondary Seal Gap Inspection Criteria: maximum area: maximum gap width:	60.112a(a)(1)(ii)(B) **1 in2 per foot of vessel diameter** **0.5 in.**	Y	
	Are EFR rim seals allowed to be pulled back or temporarily removed during inspection?	60.112a(a)(1)(ii)(D) **YES**	Y	
	EFR deck openings other than for vents to project into liquid?	60.112a(a)(1)(iii) **REQUIRED**	Y	
	EFR rim space vents to remain closed except when the pressure setting is exceeded?	60.112a(a)(1)(iii) **REQUIRED**	Y	
	EFR auto. bleeder vent (vacuum breaker) to be closed except when the deck is landed?	60.112a(a)(1)(iii) **REQUIRED**	Y	

IV. Source-specific Applicable Requirements

Table IV – BQ Cluster 20
Source-specific Applicable Requirements
S706 – Tank A-706, S709 – Tank A-709

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	EFR guidepole wells to have a deck cover gasket and a pole wiper?	60.112a(a)(1)(iii) **guidepole requirements are specified in FR notices** 65 FR 2336 (01/14/00) 65 FR 19891(04/13/00)	Y	
	EFRT unslotted guidepoles to have a gasketed cap at the top of the pole?	60.112a(a)(1)(iii) **Required per FR notices** 65 FR 2336 (01/14/00) 65 FR 19891(04/13/00)	Y	
	EFRT slotted guidepoles to have either an internal float or a pole sleeve?	60.112a(a)(1)(iii) **Required per FR notices** 65 FR 2336 (01/14/00) 65 FR 19891(04/13/00)	Y	
	Deck openings (wells) other than for vents, drains, or legs to have covers that are kept closed except for access?	60.112a(a)(1)(iii)&(iv) **REQUIRED** *	Y	
	EFR emergency roof drains to have seals covering at least 90% of the opening?	60.112a(a)(1)(iv) **REQUIRED**	Y	
60.113a(a)	UNSAFE CONDITIONS: Delay of EFR seal gap measurements allowed for unsafe conditions? If unable to make safe to measure, must the EFRT be emptied?	60.113a(a)(1) **not addressed** * 60.113a(a)(1) **not addressed** *	Y	
	EXTENSIONS OF TIME: If EFRT is unsafe to inspect & cannot be emptied within 45 days?	60.113a(a)(1) **not addressed** *	Y	
	EXTENSIONS OF TIME: If EFRT defects cannot be repaired & the tank cannot be emptied within 45 days?	60.113a(a)(1) **not addressed** *	Y	
	Notification of Inspections: Are notifications of inspections to demonstrate initial compliance required, For EFR seal gap measurements:	60.113a(a)(1)(i) **Required-notifications&reports per Ongoing Reports**	Y	

IV. Source-specific Applicable Requirements

Table IV – BQ Cluster 20
Source-specific Applicable Requirements
S706 – Tank A-706, S709 – Tank A-709

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	Seal Gap Measurements: FREQUENCY AFTER INITIAL COMPLIANCE, For the EFR Primary Seal:	60.113a(a)(1)(i)(A) **every 5 years**	Y	
	Seal Gap Measurements: For new EFRTs:	60.113a(a)(1)(i)(A) &(B) **measure gaps of both seals within 60 days after initial fill**	Y	
	Seal Gap Measurements: FREQUENCY AFTER INITIAL COMPLIANCE, For the EFR Secondary Seal:	60.113a(a)(1)(i)(B) **annually**	Y	
	Seal Gap Measurements: For EFRTs returned to affected service after 1 yr or more of exempt service:	60.113a(a)(1)(i)(C) **measure gaps of both seals within 60 days**	Y	
	Recordkeeping for inspections: Keep inspection reports as specified.	60.113a(a)(1)(i)(D) **Keep the record on-site for 2 years**	Y	
	Records of EFR inspection reports:	60.113a(a)(1)(i)(D) **all seal gap measurements**	Y	
	Periodic Reports: Report EFR seal gap inspections if there was no out-of-compliance?	60.113a(a)(1)(i)(E) **Not required**	Y	
	Periodic Reports: Report EFR seal gap inspections when there is out-of-compliance?	60.113a(a)(1)(i)(E) **Required within 60 days of inspection ***	Y	
	Periodic Reports: Report of EFR inspection failures to include:	60.113a(a)(1)(i)(E) **identification of tank, description of failure & required repair actions**	Y	
	MEASUREMENT COND'S: Are EFR seal gap measurements to be made with the roof floating?	60.113a(a)(1)(ii)(A) **YES**	Y	
	DETERMINATION OF EFR RIM-SEAL GAP AREAS: Presence of a gap determined by inserting a 1/8 in. probe?	60.113a(a)(1)(ii)(B) **YES**	Y	
	DETERMINATION OF EFR RIM-SEAL GAP AREAS: Use probes of various widths to determine the gap area?	60.113a(a)(1)(ii)(C) **YES**	Y	

IV. Source-specific Applicable Requirements

Table IV – BQ Cluster 20
Source-specific Applicable Requirements
S706 – Tank A-706, S709 – Tank A-709

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	DETERMINATION OF EFR RIM-SEAL GAP AREAS: Sum the gap areas & divide by the diameter of the tank?	60.113a(a)(1)(iii) **YES**	Y	
	Notification of Inspections: Is 30-day notice required prior to EFR seal gap measurements?	60.113a(a)(1)(iv) **REQUIRED**	Y	
60.115a(a)	**Applicability records:** Time period for keeping records of applicability determination, unless specified otherwise.	60.115a(a) **Keep record as long as the tank is in that service**	Y	
	Applicability records: Additional recordkeeping requirements for certain tanks.	60.115a(a) - (d) **identification & TVP of the stored product, if capacity > 40,000 gallons. and TVP > 1.0 Keep record as long as the tank is in that service**	Y	
60.115a(b)	**True vapor pressure (TVP) determination for applicability:**	60.115a(b) & (c) **true vapor pressure (not maximum TVP), & thus could be based on the annual average temperature**	Y	
NSPS Subpart A	**New Source Performance Standards GENERAL PROVISIONS**		Y	
60.7(a)	**Initial Notification:** Is initial notification of the source's existence required?	60.7(a)(1) **notification within 30 days after begin construction**	Y	
	Report (document) having initially achieved compliance?	60.7(a)(3) **notif. of startup within 15 days, but no req. to certify compliance**	Y	
	Notification of Compliance Status report:	60.7(a)(3) **notification within 15 days after startup**	Y	
	Initial Notification: Is initial notification required if tank becomes affected only as a result of a modification?	60.7(a)(4) **notification 60 days or as soon as practicable before the change**	Y	
60.7(f)	**General recordkeeping requirements:** Time period for keeping records, unless specified otherwise.	60.7(f) **Keep all reports & notifications for 2 years**	Y	

IV. Source-specific Applicable Requirements

Table IV – BQ Cluster 20
Source-specific Applicable Requirements
S706 – Tank A-706, S709 – Tank A-709

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	General recordkeeping requirements: Keep all reports and notification for the specified period of time.	60.7(f) **required**	Y	
60.14(g)	Achieve compliance for: New Tanks (or tanks that become affected as a result of a change or modification)?	60.14(g) **up to 180 days after modifications (otherwise prior to fill)**	Y	
BAAQMD Condition # 8636	**Permit Conditions**		Y	
Part 1	Design specifications (basis: Reg. 8-5, cumulative increase)		Y	
Part 2	Requirement to notify the District regarding tank seals (basis: Reg. 8-5, cumulative increase))		Y	
BAAQMD Condition # 19528				
Part 1	Throughput limit (basis: Regulation 2-1-234.3, Regulation 2-1-403 Regulation 2-6-503)		Y	

Table IV – BV Cluster 23
Source-specific Applicable Requirements
S1461 – Tank A-866, S1463 – Tank A-867

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Reg 8 Rule 5	**Organic Compounds - STORAGE OF ORGANIC LIQUIDS REQUIREMENTS (11/27/02)**		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service, Notification	Y	
8-5-111.1.1	Limited Exemption, Tank Removal From and Return to Service, Notification, 3 day prior notification	Y	

IV. Source-specific Applicable Requirements

Table IV – BV Cluster 23
Source-specific Applicable Requirements
S1461 – Tank A-866, S1463 – Tank A-867

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-5-111.1.2	Limited Exemption, Tank Removal From and Return to Service, Notification, Telephone notification	Y	
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service, Tank in compliance prior to notification	Y	
8-5-111.3	Limited Exemption, Tank Removal From and Return to Service, Floating roof tanks	Y	
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service, Minimize emissions	Y	
8-5-111.6	Limited Exemption, Tank Removal From and Return to Service, Notice of completion not required	Y	
8-5-111.7	Limited Exemption, Tank Removal From and Return to Service, Satisfy requirements of 8-5-328	Y	
8-5-112	Limited Exemption, Tanks in Operation	Y	
8-5-112.1	Limited Exemption, Tanks in Operation, Notification	Y	
8-5-112.1.1	Limited Exemption, Tanks in Operation, Notification, 3 day prior notification	Y	
8-5-112.1.2	Limited Exemption, Tanks in Operation, Notification, Telephone notification	Y	
8-5-112.2	Limited Exemption, Tanks in Operation, Tank in compliance prior to start of work. Certified per 8-5-404	Y	
8-5-112.3	Limited Exemption, Tanks in Operation, No product movement, Minimize emissions	Y	
8-5-112.4	Limited Exemption, Tanks in Operation, Not to exceed 7 days	Y	
8-5-301	Storage Tank Control Requirements	Y	
8-5-302	Requirements for Submerged Fill Pipes	Y	
8-5-304	Requirements for External Floating Roofs	Y	
8-5-320	Tank Fitting Requirements	Y	
8-5-321	Primary Seal Requirements	Y	
8-5-322	Secondary Seal Requirements	Y	
8-5-328	Tank Degassing Requirements	Y	
8-5-401	Inspection Requirements for External Floating Roof	Y	
8-5-403	Inspection Requirements for Pressure Vacuum Valves	Y	
8-5-404	Certification	Y	
8-5-405	Information Required	Y	
8-5-501	Records	Y	

IV. Source-specific Applicable Requirements

Table IV – BV Cluster 23
Source-specific Applicable Requirements
S1461 – Tank A-866, S1463 – Tank A-867

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
8-5-502	Tank Degassing Annual Source Test Requirement		Y	
8-5-503	Portable Hydrocarbon Detector		Y	
Refinery MACT	**NESHAP for Petroleum Refineries** **REQUIREMENTS FOR TANKS ALSO SUBJECT TO NSPS Kb**		Y	
63.640(n)	Which rule governs for storage vessels subject to both Refinery MACT and NSPS subpart Kb?	63.640(n)(1) **NSPS subpart Kb**	Y	
	Does Refinery MACT provide for EFR secondary seals to be pulled back or temporarily removed during NSPS Kb inspections of the primary seal?	63.640(n)(8)(i) **YES**	Y	
	Does Refinery MACT provide for delay of NSPS Kb seal gap measurements due to unsafe conditions?	63.640(n)(8)(ii) **YES – up to 30 days, or empty the tank within 45 days**	Y	
	Does Refinery MACT provide for extensions of time to perform NSPS Kb inspections of unsafe tanks?	63.640(n)(8)(iii) **YES – up to 2 extensions of 30 days each**	Y	
	Does Refinery MACT provide for extensions of time to repair defects found during NSPS Kb inspections?	63.640(n)(8)(iii) **YES – up to 2 extensions of 30 days each**	Y	
	Does Refinery MACT provide for waiving the NSPS Kb prior-request requirement for extensions of time?	63.640(n)(8)(iii) **YES**	Y	
	Does Refinery MACT provide for submitting NSPS Kb documentation of the need for an extension with the next semi-annual periodic report?	63.640(n)(8)(iv) **YES**	Y	
	Does Refinery MACT provide for submitting reports of NSPS Kb inspection failures on the semi-annual periodic report schedule?	63.640(n)(8)(v) **YES**	Y	
	Does Refinery MACT provide for not reporting the results of NSPS Kb inspections when there was no out-of-compliance (i.e., recordkeeping only)?	63.640(n)(8)(vi) **YES**	Y	

IV. Source-specific Applicable Requirements

Table IV – BV Cluster 23
Source-specific Applicable Requirements
S1461 – Tank A-866, S1463 – Tank A-867

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
NSPS Subpart Kb	**Volatile Organic Liquid Storage Vessels** **REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS**		Y	
60.112b(a)(2)	**EFR Rim Seals:** vapor-mounted primary seal: liquid-mounted primary seal: mechanical-shoe primary seal:	60.112b(a)(2)(i) **Not Allowed** **OK with rim-mounted secondary** **OK with rim-mounted secondary**	Y	
	Must vapor-mounted rim seals be continuous on EFRs?	60.112b(a)(2)(i)(B) **YES**	Y	
	Deck openings (wells) other than for vents, drains, or legs to have covers that are kept closed except for access?	60.112b(a)(2)(ii) **REQUIRED ***	Y	
	EFR well covers to be gasketed?	60.112b(a)(2)(ii) **REQUIRED**	Y	
	EFR vents to be gasketed?	60.112b(a)(2)(ii) **REQUIRED**	Y	
	EFR deck openings other than for vents to project into liquid?	60.112b(a)(2)(ii) **REQUIRED**	Y	
	EFR rim space vents to remain closed except when the pressure setting is exceeded?	60.112b(a)(2)(ii) **REQUIRED**	Y	
	EFR auto. bleeder vent (vacuum breaker) to be closed except when the deck is landed?	60.112b(a)(2)(ii) **REQUIRED**	Y	
	EFR emergency roof drains to have seals covering at least 90% of the opening?	60.112b(a)(2)(ii) **REQUIRED**	Y	
	EFR guidepole wells to have a deck cover gasket and a pole wiper?	60.112b(a)(2)(ii) **guidepole requirements are specified in FR notices** 65 FR 2336 (01/14/00) 65 FR 19891(04/13/00)	Y	
	EFRT unslotted guidepoles to have a gasketed cap at the top of the pole?	60.112b(a)(2)(ii) **Required per FR notices** 65 FR 2336 (01/14/00) 65 FR 19891(04/13/00)	Y	

IV. Source-specific Applicable Requirements

Table IV – BV Cluster 23
Source-specific Applicable Requirements
S1461 – Tank A-866, S1463 – Tank A-867

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	EFRT slotted guidepoles to have either an internal float or a pole sleeve?	60.112b(a)(2)(ii) **Required per FR notices** 65 FR 2336 (01/14/00) 65 FR 19891(04/13/00)	Y	
	EFRT operating requirements: When landing the floating roof on its support legs, is the tank to be emptied & either refilled or degassed AS SOON AS POSSIBLE?	60.112b(a)(2)(iii) **YES**	Y	
	Temporary exemption from operating requirements while the external floating roof is landed on its support legs? *	60.112b(a)(2)(iii) **EXEMPT**	Y	
60.113b(b)	UNSAFE CONDITIONS: Delay of EFR seal gap measurements allowed for unsafe conditions? If unable to make safe to measure, must the EFRT be emptied?	60.113b(b)(1) **not addressed** * 60.113b(b)(1) **not addressed** *	Y	
	EXTENSIONS OF TIME: If EFRT is unsafe to inspect & cannot be emptied within 45 days?	60.113b(b)(1) **not addressed** *	Y	
	Notification of Inspections: Are notifications of inspections to demonstrate initial compliance required, For EFR seal gap measurements:	60.113b(b)(1) & (5) **Required-notifications&reports per Ongoing Reports**	Y	
	Seal Gap Measurements: FREQUENCY AFTER INITIAL COMPLIANCE, For the EFR Primary Seal:	60.113b(b)(1)(i) **every 5 years**	Y	
	Seal Gap Measurements: For new EFRTs:	60.113b(b)(1)(i) &(ii) **measure gaps of both seals within 60 days after initial fill**	Y	
	Seal Gap Measurements: FREQUENCY AFTER INITIAL COMPLIANCE, For the EFR Secondary Seal:	60.113b(b)(1)(ii) **annually**	Y	

IV. Source-specific Applicable Requirements

Table IV – BV Cluster 23
Source-specific Applicable Requirements
S1461 – Tank A-866, S1463 – Tank A-867

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	Seal Gap Measurements: For EFRTs returned to affected service after 1 yr or more of exempt service:	60.113b(b)(1)(iii) **measure gaps of both seals within 60 days**	Y	
	MEASUREMENT COND'S: Are EFR seal gap measurements to be made with the roof floating?	60.113b(b)(2)(i) **YES**	Y	
	DETERMINATION OF EFR RIM-SEAL GAP AREAS: Presence of a gap determined by inserting a 1/8 in. probe?	60.113b(b)(2)(ii) **YES**	Y	
	DETERMINATION OF EFR RIM-SEAL GAP AREAS: Use probes of various widths to determine the gap area?	60.113b(b)(2)(iii) **YES**	Y	
	DETERMINATION OF EFR RIM-SEAL GAP AREAS: Sum the gap areas & divide by the diameter of the tank?	60.113b(b)(3) **YES**	Y	
	EFRT REPAIRS: Time allowed for repair of defects found during in-service inspections of EFRs: If unable to repair, empty the EFRT & remove from service?	60.113b(b)(4) **make repairs within 45 days** 60.113b(b)(4) **YES, within 45 days**	Y	
	EFR Primary Seal Gap Inspection Criteria: maximum area: maximum gap width:	60.113b(b)(4)(i) **10 in2 per foot of** **1.5 in.**	Y	
	Shall there be no holes, tears, or openings in the EFR seals?	60.113b(b)(4)(i) & (ii) **YES**	Y	
	Is the metallic shoe of an EFR mechanical-shoe seal required to have its bottom in the liquid and extend at least 24 in. above the liquid?	60.113b(b)(4)(i)(A) **YES**	Y	
	EFR Secondary Seal Gap Inspection Criteria: maximum area: maximum gap width:	60.113b(b)(4)(ii)(B) **1 in2 per foot of** **0.5 in.**	Y	

IV. Source-specific Applicable Requirements

Table IV – BV Cluster 23
Source-specific Applicable Requirements
S1461 – Tank A-866, S1463 – Tank A-867

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	Are EFR rim seals allowed to be pulled back or temporarily removed during inspection?	60.113b(b)(4)(ii)(B) **not addressed** *	Y	
	EXTENSIONS OF TIME: If EFRT defects cannot be repaired & the tank cannot be emptied within 45 days?	60.113b(b)(4)(iii) **1 extension of 30 days, if needed** *	Y	
	Periodic Reports: EFR report to include a prior request for 30-day extension, w/ documentation of need?	60.113b(b)(4)(iii) **required** *	Y	
	Periodic Reports: Additional information to be included if an extension is utilized for an EFR:	60.113b(b)(4)(iii) **document the reason for the extension** *	Y	
	Notification of Inspections: Is 30-day notice required prior to EFR seal gap measurements?	60.113b(b)(5) **REQUIRED**	Y	
	EFR Internal Inspections: up-close visual inspection of the floating roof, seals, & fittings:	60.113b(b)(6) **each time the tank is emptied & degassed**	Y	
	Notification of Inspections: Are notifications of inspections to demonstrate initial compliance required, For EFR internal inspections:	60.113b(b)(6) **internal inspection not required for initial compliance**	Y	
	EFRT REPAIRS: Repair of defects if the tank is empty?	60.113b(b)(6)(i) **prior to refilling**	Y	
	Notification of Inspections: Is 30-day notice required for internal inspections of EFRTs (i.e., prior to filling or refilling); but a 7-day verbal notice acceptable if the event is unplanned?	60.113b(b)(6)(ii) **REQUIRED**	Y	
60.115b	**Recordkeeping for inspections:** Keep inspection reports as specified.	60.115b **Keep for at least 5 years**	Y	

IV. Source-specific Applicable Requirements

Table IV – BV Cluster 23
Source-specific Applicable Requirements
S1461 – Tank A-866, S1463 – Tank A-867

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
60.115b(b)(2)-(5)	**Periodic Reports:** Report EFR seal gap inspections if there was no out-of-compliance?	60.115b(b)(2) **Required within 60 days of inspection ***	Y	
	Records of EFR inspection reports:	60.115b(b)(3) **EFR seal gap measurements**	Y	
	Periodic Reports: Report EFR seal gap inspections when there is out-of-compliance?	60.115b(b)(4) **Required within 30 days of inspection ***	Y	
	Periodic Reports: Report of EFR inspection failures to include:	60.115b(b)(4) **date of inspec, identification of tank, description of failure, & date of repair or emptying**	Y	
60.116b(a)	**Applicability records:** Time period for keeping records of applicability determination, unless specified otherwise.	60.116b(a) **Keep for at least 5 years except records as required by** 60.116b(b)	Y	
60.116b(b)	**Applicability records:** Records of dimensions & capacity required for nonexempt tanks?	60.116b(b) **Required Keep record readily accessible for the life of the tank**	Y	
60.116b(c)	**Applicability records:** Additional recordkeeping requirements for certain tanks.	60.116b(c) **identification & TVP of the stored product, if capacity ≥ 20,000 gallons. and TVP ≥ 2.2, OR capacity ≥ 40,000 gallons. and TVP ≥ 0.51 Keep record as long as the tank is in that service**	Y	
60.116b(e)	**True vapor pressure (TVP) determination for applicability:**	60.116b(e) **maximum TVP of the stored liquid, based on highest calendar month average storage temperature**	Y	
NSPS Subpart A	**New Source Performance Standards GENERAL PROVISIONS**		Y	
60.7(a)	**Initial Notification:** Is initial notification of the source's existence required?	60.7(a)(1) **notification within 30 days after begin construction**	Y	
	Report (document) having initially achieved compliance?	60.7(a)(3) 60.115b(a)(1) & (b)(1) **within 15 days after initial fill**	Y	

IV. Source-specific Applicable Requirements

Table IV – BV Cluster 23
Source-specific Applicable Requirements
S1461 – Tank A-866, S1463 – Tank A-867

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	Notification of Compliance Status report:	60.7(a)(3) [cf. 60.115b(a)(1)&(b)(1)] **notification within 15 days after startup**	Y	
	Initial Notification: Is initial notification required if tank becomes affected only as a result of a modification?	60.7(a)(4) **notification 60 days or as soon as practicable before the change**	Y	
60.7(f)	**General recordkeeping requirements:** Time period for keeping records, unless specified otherwise.	60.7(f) **Keep all reports & notifications for 2 years**	Y	
	General recordkeeping requirements: Keep all reports and notification for the specified period of time.	60.7(f) **required**	Y	
60.14(g)	Achieve compliance for: New Tanks (or tanks that become affected as a result of a change or modification)?	60.14(g) **up to 180 days after modifications (otherwise prior to fill)**	Y	
BAAQMD Condition # 17477				
Part A1	Throughput Limit (basis: cumulative increase, toxics)		Y	
Part A2	True Vapor Pressure Limit (basis: cumulative increase)		Y	
Part A3	Design Requirements (basis: BACT, Regulation 8-5, Cumulative Increase, toxics, NSPS, Regulation 10 Subpart Kb)		Y	
Part A4	Fitting Count Requirements (basis: cumulative increase, toxics, offsets)		Y	
Part A5	Requirements for Alternative Material Storage (basis: cumulative increase, toxics)		Y	
Part A6	Record Keeping (basis: cumulative increase, toxics		Y	
BAAQMD Condition # 17477				
Part A1	Throughput Limit (basis: cumulative increase, toxics)		Y	
Part A2	True Vapor Pressure Limit (basis: cumulative increase)		Y	
Part A3	Design Requirements (basis: BACT, Regulation 8-5, Cumulative Increase, toxics, NSPS, Regulation 10 Subpart Kb)		Y	
Part A4	Fitting Count Requirements (basis: cumulative increase, toxics, offsets)		Y	

IV. Source-specific Applicable Requirements

Table IV – BV Cluster 23
Source-specific Applicable Requirements
S1461 – Tank A-866, S1463 – Tank A-867

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part A5	Requirements for Alternative Material Storage (basis: cumulative increase, toxics)	Y	
Part A6	Record Keeping (basis: cumulative increase, toxics	Y	
BAAQMD Condition # 19528			
Part 1	Throughput limit (basis: Regulation 2-1-234.3, Regulation 2-1-403 Regulation 2-6-503)	Y	

Table IV – BV Cluster 23
Source-specific Applicable Requirements
S1463 – Tank A-867, S-1506 Tank A-893, S-1507 Tank A-1507

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Reg 8 Rule 5	**Organic Compounds - STORAGE OF ORGANIC LIQUIDS REQUIREMENTS (11/27/02)**		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service, Notification	Y	
8-5-111.1.1	Limited Exemption, Tank Removal From and Return to Service, Notification, 3 day prior notification	Y	
8-5-111.1.2	Limited Exemption, Tank Removal From and Return to Service, Notification, Telephone notification	Y	
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service, Tank in compliance prior to notification	Y	
8-5-111.3	Limited Exemption, Tank Removal From and Return to Service, Floating roof tanks	Y	
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service, Minimize emissions	Y	
8-5-111.6	Limited Exemption, Tank Removal From and Return to Service, Notice of completion not required	Y	

IV. Source-specific Applicable Requirements

Table IV – BV Cluster 23
Source-specific Applicable Requirements
S1463 – Tank A-867, S-1506 Tank A-893, S-1507 Tank A-1507

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
8-5-111.7	Limited Exemption, Tank Removal From and Return to Service, Satisfy requirements of 8-5-328		Y	
8-5-112	Limited Exemption, Tanks in Operation		Y	
8-5-112.1	Limited Exemption, Tanks in Operation, Notification		Y	
8-5-112.1.1	Limited Exemption, Tanks in Operation, Notification, 3 day prior notification		Y	
8-5-112.1.2	Limited Exemption, Tanks in Operation, Notification, Telephone notification		Y	
8-5-112.2	Limited Exemption, Tanks in Operation, Tank in compliance prior to start of work. Certified per 8-5-404		Y	
8-5-112.3	Limited Exemption, Tanks in Operation, No product movement, Minimize emissions		Y	
8-5-112.4	Limited Exemption, Tanks in Operation, Not to exceed 7 days		Y	
8-5-301	Storage Tank Control Requirements		Y	
8-5-302	Requirements for Submerged Fill Pipes		Y	
8-5-304	Requirements for External Floating Roofs		Y	
8-5-320	Tank Fitting Requirements		Y	
8-5-321	Primary Seal Requirements		Y	
8-5-322	Secondary Seal Requirements		Y	
8-5-328	Tank Degassing Requirements		Y	
8-5-401	Inspection Requirements for External Floating Roof		Y	
8-5-403	Inspection Requirements for Pressure Vacuum Valves		Y	
8-5-404	Certification		Y	
8-5-405	Information Required		Y	
8-5-501	Records		Y	
8-5-502	Tank Degassing Annual Source Test Requirement		Y	
8-5-503	Portable Hydrocarbon Detector		Y	
Refinery MACT	**NESHAP for Petroleum Refineries REQUIREMENTS FOR TANKS ALSO SUBJECT TO NSPS Kb**		Y	
63.640(n)	Which rule governs for storage vessels subject to both Refinery MACT and NSPS subpart Kb?	63.640(n)(1) **NSPS subpart Kb**	Y	
	Does Refinery MACT provide for EFR secondary seals to be pulled back or temporarily removed during NSPS Kb inspections of the primary seal?	63.640(n)(8)(i) **YES**	Y	

IV. Source-specific Applicable Requirements

Table IV – BV Cluster 23
Source-specific Applicable Requirements
S1463 – Tank A-867, S-1506 Tank A-893, S-1507 Tank A-1507

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	Does Refinery MACT provide for delay of NSPS Kb seal gap measurements due to unsafe conditions?	63.640(n)(8)(ii) **YES – up to 30 days, or empty the tank within 45 days**	Y	
	Does Refinery MACT provide for extensions of time to perform NSPS Kb inspections of unsafe tanks?	63.640(n)(8)(iii) **YES – up to 2 extensions of 30 days each**	Y	
	Does Refinery MACT provide for extensions of time to repair defects found during NSPS Kb inspections?	63.640(n)(8)(iii) **YES – up to 2 extensions of 30 days each**	Y	
	Does Refinery MACT provide for waiving the NSPS Kb prior-request requirement for extensions of time?	63.640(n)(8)(iii) **YES**	Y	
	Does Refinery MACT provide for submitting NSPS Kb documentation of the need for an extension with the next semi-annual periodic report?	63.640(n)(8)(iv) **YES**	Y	
	Does Refinery MACT provide for submitting reports of NSPS Kb inspection failures on the semi-annual periodic report schedule?	63.640(n)(8)(v) **YES**	Y	
	Does Refinery MACT provide for not reporting the results of NSPS Kb inspections when there was no out-of-compliance (i.e., recordkeeping only)?	63.640(n)(8)(vi) **YES**	Y	
NSPS Subpart Kb	**Volatile Organic Liquid Storage Vessels** **REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS**		Y	
60.112b(a)(2)	**EFR Rim Seals:** vapor-mounted primary seal: liquid-mounted primary seal: mechanical-shoe primary seal:	60.112b(a)(2)(i) **Not Allowed** **OK with rim-mounted secondary** **OK with rim-mounted secondary**	Y	
	Must vapor-mounted rim seals be continuous on EFRs?	60.112b(a)(2)(i)(B) **YES**	Y	

IV. Source-specific Applicable Requirements

Table IV – BV Cluster 23
Source-specific Applicable Requirements
S1463 – Tank A-867, S-1506 Tank A-893, S-1507 Tank A-1507

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	Deck openings (wells) other than for vents, drains, or legs to have covers that are kept closed except for access?	60.112b(a)(2)(ii) **REQUIRED** *	Y	
	EFR well covers to be gasketed?	60.112b(a)(2)(ii) **REQUIRED**	Y	
	EFR vents to be gasketed?	60.112b(a)(2)(ii) **REQUIRED**	Y	
	EFR deck openings other than for vents to project into liquid?	60.112b(a)(2)(ii) **REQUIRED**	Y	
	EFR rim space vents to remain closed except when the pressure setting is exceeded?	60.112b(a)(2)(ii) **REQUIRED**	Y	
	EFR auto. bleeder vent (vacuum breaker) to be closed except when the deck is landed?	60.112b(a)(2)(ii) **REQUIRED**	Y	
	EFR emergency roof drains to have seals covering at least 90% of the opening?	60.112b(a)(2)(ii) **REQUIRED**	Y	
	EFR guidepole wells to have a deck cover gasket and a pole wiper?	60.112b(a)(2)(ii) **guidepole requirements are specified in FR notices** 65 FR 2336 (01/14/00) 65 FR 19891(04/13/00)	Y	
	EFRT unslotted guidepoles to have a gasketed cap at the top of the pole?	60.112b(a)(2)(ii) **Required per FR notices** 65 FR 2336 (01/14/00) 65 FR 19891(04/13/00)	Y	
	EFRT slotted guidepoles to have either an internal float or a pole sleeve?	60.112b(a)(2)(ii) **Required per FR notices** 65 FR 2336 (01/14/00) 65 FR 19891(04/13/00)	Y	
	EFRT operating requirements: When landing the floating roof on its support legs, is the tank to be emptied & either refilled or degassed AS SOON AS POSSIBLE?	60.112b(a)(2)(iii) **YES**	Y	
	Temporary exemption from operating requirements while the external floating roof is landed on its support legs? *	60.112b(a)(2)(iii) **EXEMPT**	Y	

IV. Source-specific Applicable Requirements

Table IV – BV Cluster 23
Source-specific Applicable Requirements
S1463 – Tank A-867, S-1506 Tank A-893, S-1507 Tank A-1507

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
60.113b(b)	UNSAFE CONDITIONS: Delay of EFR seal gap measurements allowed for unsafe conditions? If unable to make safe to measure, must the EFRT be emptied?	60.113b(b)(1) **not addressed** * 60.113b(b)(1) **not addressed** *	Y	
	EXTENSIONS OF TIME: If EFRT is unsafe to inspect & cannot be emptied within 45 days?	60.113b(b)(1) **not addressed** *	Y	
	Notification of Inspections: Are notifications of inspections to demonstrate initial compliance required, For EFR seal gap measurements:	60.113b(b)(1) & (5) **Required-notifications&reports per Ongoing Reports**	Y	
	Seal Gap Measurements: FREQUENCY AFTER INITIAL COMPLIANCE, For the EFR Primary Seal:	60.113b(b)(1)(i) **every 5 years**	Y	
	Seal Gap Measurements: For new EFRTs:	60.113b(b)(1)(i) &(ii) **measure gaps of both seals within 60 days after initial fill**	Y	
	Seal Gap Measurements: FREQUENCY AFTER INITIAL COMPLIANCE, For the EFR Secondary Seal:	60.113b(b)(1)(ii) **annually**	Y	
	Seal Gap Measurements: For EFRTs returned to affected service after 1 yr or more of exempt service:	60.113b(b)(1)(iii) **measure gaps of both seals within 60 days**	Y	
	MEASUREMENT COND'S: Are EFR seal gap measurements to be made with the roof floating?	60.113b(b)(2)(i) **YES**	Y	
	DETERMINATION OF EFR RIM-SEAL GAP AREAS: Presence of a gap determined by inserting a 1/8 in. probe?	60.113b(b)(2)(ii) **YES**	Y	
	DETERMINATION OF EFR RIM-SEAL GAP AREAS: Use probes of various widths to determine the gap area?	60.113b(b)(2)(iii) **YES**	Y	

IV. Source-specific Applicable Requirements

Table IV – BV Cluster 23
Source-specific Applicable Requirements
S1463 – Tank A-867, S-1506 Tank A-893, S-1507 Tank A-1507

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	DETERMINATION OF EFR RIM-SEAL GAP AREAS: Sum the gap areas & divide by the diameter of the tank?	60.113b(b)(3) **YES**	Y	
	EFRT REPAIRS: Time allowed for repair of defects found during in-service inspections of EFRs: If unable to repair, empty the EFRT & remove from service?	60.113b(b)(4) **make repairs within 45 days** 60.113b(b)(4) **YES, within 45 days**	Y	
	EFR Primary Seal Gap Inspection Criteria: maximum area: maximum gap width:	60.113b(b)(4)(i) **10 in2 per foot of** **1.5 in.**	Y	
	Shall there be no holes, tears, or openings in the EFR seals?	60.113b(b)(4)(i) & (ii) **YES**	Y	
	Is the metallic shoe of an EFR mechanical-shoe seal required to have its bottom in the liquid and extend at least 24 in. above the liquid?	60.113b(b)(4)(i)(A) **YES**	Y	
	EFR Secondary Seal Gap Inspection Criteria: maximum area: maximum gap width:	60.113b(b)(4)(ii)(B) **1 in2 per foot of** **0.5 in.**	Y	
	Are EFR rim seals allowed to be pulled back or temporarily removed during inspection?	60.113b(b)(4)(ii)(B) **not addressed** *	Y	
	EXTENSIONS OF TIME: If EFRT defects cannot be repaired & the tank cannot be emptied within 45 days?	60.113b(b)(4)(iii) **1 extension of 30 days, if needed** *	Y	
	Periodic Reports: EFR report to include a prior request for 30-day extension, w/ documentation of need?	60.113b(b)(4)(iii) **required** *	Y	

IV. Source-specific Applicable Requirements

Table IV – BV Cluster 23
Source-specific Applicable Requirements
S1463 – Tank A-867, S-1506 Tank A-893, S-1507 Tank A-1507

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	Periodic Reports: Additional information to be included if an extension is utilized for an EFR:	60.113b(b)(4)(iii) **document the reason for the extension** *	Y	
	Notification of Inspections: Is 30-day notice required prior to EFR seal gap measurements?	60.113b(b)(5) **REQUIRED**	Y	
	EFR Internal Inspections: up-close visual inspection of the floating roof, seals, & fittings:	60.113b(b)(6) **each time the tank is emptied & degassed**	Y	
	Notification of Inspections: Are notifications of inspections to demonstrate initial compliance required, For EFR internal inspections:	60.113b(b)(6) **internal inspection not required for initial compliance**	Y	
	EFRT REPAIRS: Repair of defects if the tank is empty?	60.113b(b)(6)(i) **prior to refilling**	Y	
	Notification of Inspections: Is 30-day notice required for internal inspections of EFRTs (i.e., prior to filling or refilling); but a 7-day verbal notice acceptable if the event is unplanned?	60.113b(b)(6)(ii) **REQUIRED**	Y	
60.115b	**Recordkeeping for inspections:** Keep inspection reports as specified.	60.115b **Keep for at least 5 years**	Y	
60.115b(b)(2)-(5)	**Periodic Reports:** Report EFR seal gap inspections if there was no out-of-compliance?	60.115b(b)(2) **Required within 60 days of inspection** *	Y	
	Records of EFR inspection reports:	60.115b(b)(3) **EFR seal gap measurements**	Y	
	Periodic Reports: Report EFR seal gap inspections when there is out-of-compliance?	60.115b(b)(4) **Required within 30 days of inspection** *	Y	
	Periodic Reports: Report of EFR inspection failures to include:	60.115b(b)(4) **date of inspec, identification of tank, description of failure, & date of repair or emptying**	Y	

IV. Source-specific Applicable Requirements

Table IV – BV Cluster 23
Source-specific Applicable Requirements
S1463 – Tank A-867, S-1506 Tank A-893, S-1507 Tank A-1507

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
60.116b(a)	**Applicability records:** Time period for keeping records of applicability determination, unless specified otherwise.	60.116b(a) **Keep for at least 5 years except records as required by** 60.116b(b)	Y	
60.116b(b)	**Applicability records:** Records of dimensions & capacity required for nonexempt tanks?	60.116b(b) **Required Keep record readily accessible for the life of the tank**	Y	
60.116b(c)	**Applicability records:** Additional recordkeeping requirements for certain tanks.	60.116b(c) **identification & TVP of the stored product, if capacity ≥ 20,000 gallons. and TVP ≥ 2.2, OR capacity ≥ 40,000 gallons. and TVP ≥ 0.51 Keep record as long as the tank is in that service**	Y	
60.116b(e)	**True vapor pressure (TVP) determination for applicability:**	60.116b(e) **maximum TVP of the stored liquid, based on highest calendar month average storage temperature**	Y	
NSPS Subpart A	**New Source Performance Standards GENERAL PROVISIONS**		Y	
60.7(a)	**Initial Notification:** Is initial notification of the source's existence required?	60.7(a)(1) **notification within 30 days after begin construction**	Y	
	Report (document) having initially achieved compliance?	60.7(a)(3) 60.115b(a)(1) & (b)(1) **within 15 days after initial fill**	Y	
	Notification of Compliance Status report:	60.7(a)(3) [cf. 60.115b(a)(1)&(b)(1)] **notification within 15 days after startup**	Y	
	Initial Notification: Is initial notification required if tank becomes affected only as a result of a modification?	60.7(a)(4) **notification 60 days or as soon as practicable before the change**	Y	
60.7(f)	**General recordkeeping requirements:** Time period for keeping records, unless specified otherwise.	60.7(f) **Keep all reports & notifications for 2 years**	Y	

IV. Source-specific Applicable Requirements

Table IV – BV Cluster 23
Source-specific Applicable Requirements
S1463 – Tank A-867, S-1506 Tank A-893, S-1507 Tank A-1507

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	General recordkeeping requirements: Keep all reports and notification for the specified period of time.	60.7(f) **required**	Y	
60.14(g)	Achieve compliance for: New Tanks (or tanks that become affected as a result of a change or modification)?	60.14(g) **up to 180 days after modifications (otherwise prior to fill)**	Y	
BAAQMD Condition # 17477	S-1463			
Part C1	Throughput Limit (basis: cumulative increase, toxics)		Y	
Part C2	True Vapor Pressure Limit (basis: cumulative increase)		Y	
Part C3	Design Requirements (basis: BACT, Regulation 8-5, Cumulative Increase, toxics, NSPS, Regulation 10 Subpart Kb)		Y	
Part C4	Fitting Count Requirements (basis: cumulative increase, toxics, offsets)		Y	
Part C5	Requirements for Alternative Material Storage (basis: cumulative increase, toxics)		Y	
Part C6	Record Keeping (basis: cumulative increase, toxics)		Y	
BAAQMD Condition # 19528				
Part 1	Throughput limit (basis: Regulation 2-1-234.3, Regulation 2-1-403 Regulation 2-6-503)		Y	
BAAQMD Condition # 22640	S-1506 and S-1507			
Part 1	Throughput Limit (basis: cumulative increase, toxics, BACT)		Y	
Part 2	True Vapor Pressure Limit (basis: cumulative increase, toxics)		Y	
Part 3	Tank Fitting Count Requirements (basis: BACT, Cumulative Increase, toxics)		Y	
Part 4	Recordkeeping (basis: Cumulative Increase, Regulation 1-441, Regulation 8-5-501)		Y	

IV. Source-specific Applicable Requirements

Table IV – BX Cluster 23
Source-specific Applicable Requirements
S642 – Tank A-642

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Reg 8 Rule 5	**Organic Compounds - STORAGE OF ORGANIC LIQUIDS REQUIREMENTS (11/27/02)**		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service, Notification	Y	
8-5-111.1.1	Limited Exemption, Tank Removal From and Return to Service, Notification, 3 day prior notification	Y	
8-5-111.1.2	Limited Exemption, Tank Removal From and Return to Service, Notification, Telephone notification	Y	
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service, Tank in compliance prior to notification	Y	
8-5-111.3	Limited Exemption, Tank Removal From and Return to Service, Floating roof tanks	Y	
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service, Minimize emissions	Y	
8-5-111.6	Limited Exemption, Tank Removal From and Return to Service, Notice of completion not required	Y	
8-5-111.7	Limited Exemption, Tank Removal From and Return to Service, Satisfy requirements of 8-5-328	Y	
8-5-112	Limited Exemption, Tanks in Operation	Y	
8-5-112.1	Limited Exemption, Tanks in Operation, Notification	Y	
8-5-112.1.1	Limited Exemption, Tanks in Operation, Notification, 3 day prior notification	Y	
8-5-112.1.2	Limited Exemption, Tanks in Operation, Notification, Telephone notification	Y	
8-5-112.2	Limited Exemption, Tanks in Operation, Tank in compliance prior to start of work. Certified per 8-5-404	Y	
8-5-112.3	Limited Exemption, Tanks in Operation, No product movement, Minimize emissions	Y	
8-5-112.4	Limited Exemption, Tanks in Operation, Not to exceed 7 days	Y	
8-5-301	Storage Tank Control Requirements	Y	
8-5-302	Requirements for Submerged Fill Pipes	Y	
8-5-304	Requirements for External Floating Roofs	Y	
8-5-320	Tank Fitting Requirements	Y	
8-5-321	Primary Seal Requirements	Y	

IV. Source-specific Applicable Requirements

Table IV – BX Cluster 23
Source-specific Applicable Requirements
S642 – Tank A-642

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
8-5-322	Secondary Seal Requirements		Y	
8-5-328	Tank Degassing Requirements		Y	
8-5-401	Inspection Requirements for External Floating Roof		Y	
8-5-403	Inspection Requirements for Pressure Vacuum Valves		Y	
8-5-404	Certification		Y	
8-5-405	Information Required		Y	
8-5-501	Records		Y	
8-5-502	Tank Degassing Annual Source Test Requirement		Y	
8-5-503	Portable Hydrocarbon Detector		Y	
Refinery MACT	**NESHAP for Petroleum Refineries REQUIREMENTS FOR TANKS ALSO SUBJECT TO NSPS Kb**		**Y**	
63.640(n)	Which rule governs for storage vessels subject to both Refinery MACT and NSPS subpart Kb?	63.640(n)(1) **NSPS subpart Kb**	Y	
	Does Refinery MACT provide for EFR secondary seals to be pulled back or temporarily removed during NSPS Kb inspections of the primary seal?	63.640(n)(8)(i) **YES**	Y	
	Does Refinery MACT provide for delay of NSPS Kb seal gap measurements due to unsafe conditions?	63.640(n)(8)(ii) **YES – up to 30 days, or empty the tank within 45 days**	Y	
	Does Refinery MACT provide for extensions of time to perform NSPS Kb inspections of unsafe tanks?	63.640(n)(8)(iii) **YES – up to 2 extensions of 30 days each**	Y	
	Does Refinery MACT provide for extensions of time to repair defects found during NSPS Kb inspections?	63.640(n)(8)(iii) **YES – up to 2 extensions of 30 days each**	Y	
	Does Refinery MACT provide for waiving the NSPS Kb prior-request requirement for extensions of time?	63.640(n)(8)(iii) **YES**	Y	
	Does Refinery MACT provide for submitting NSPS Kb documentation of the need for an extension with the next semi-annual periodic report?	63.640(n)(8)(iv) **YES**	Y	

IV. Source-specific Applicable Requirements

Table IV – BX Cluster 23
Source-specific Applicable Requirements
S642 – Tank A-642

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	Does Refinery MACT provide for submitting reports of NSPS Kb inspection failures on the semi-annual periodic report schedule?	63.640(n)(8)(v) **YES**	Y	
	Does Refinery MACT provide for not reporting the results of NSPS Kb inspections when there was no out-of-compliance (i.e. recordkeeping only)?	63.640(n)(8)(vi) **YES**	Y	
NSPS Subpart Kb	**Volatile Organic Liquid Storage Vessels** **REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS**		Y	
60.112b(a)(2)	**EFR Rim Seals:** vapor-mounted primary seal: liquid-mounted primary seal: mechanical-shoe primary seal:	60.112b(a)(2)(i) **Not Allowed** **OK with rim-mounted secondary** **OK with rim-mounted secondary**	Y	
	Must vapor-mounted rim seals be continuous on EFRs?	60.112b(a)(2)(i)(B) **YES**	Y	
	Deck openings (wells) other than for vents, drains, or legs to have covers that are kept closed except for access?	60.112b(a)(2)(ii) **REQUIRED ***	Y	
	EFR well covers to be gasketed?	60.112b(a)(2)(ii) **REQUIRED**	Y	
	EFR vents to be gasketed?	60.112b(a)(2)(ii) **REQUIRED**	Y	
	EFR deck openings other than for vents to project into liquid?	60.112b(a)(2)(ii) **REQUIRED**	Y	
	EFR rim space vents to remain closed except when the pressure setting is exceeded?	60.112b(a)(2)(ii) **REQUIRED**	Y	
	EFR auto. bleeder vent (vacuum breaker) to be closed except when the deck is landed?	60.112b(a)(2)(ii) **REQUIRED**	Y	
	EFR emergency roof drains to have seals covering at least 90% of the opening?	60.112b(a)(2)(ii) **REQUIRED**	Y	

IV. Source-specific Applicable Requirements

Table IV – BX Cluster 23
Source-specific Applicable Requirements
S642 – Tank A-642

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	EFR guidepole wells to have a deck cover gasket and a pole wiper?	60.112b(a)(2)(ii) **guidepole requirements are specified in FR notices** 65 FR 2336 (01/14/00) 65 FR 19891(04/13/00)	Y	
	EFRT unslotted guidepoles to have a gasketed cap at the top of the pole?	60.112b(a)(2)(ii) **Required per FR notices** 65 FR 2336 (01/14/00) 65 FR 19891(04/13/00)	Y	
	EFRT slotted guidepoles to have either an internal float or a pole sleeve?	60.112b(a)(2)(ii) **Required per FR notices** 65 FR 2336 (01/14/00) 65 FR 19891(04/13/00)	Y	
	EFRT operating requirements: When landing the floating roof on its support legs, is the tank to be emptied & either refilled or degassed AS SOON AS POSSIBLE?	60.112b(a)(2)(iii) **YES**	Y	
	Temporary exemption from operating requirements while the external floating roof is landed on its support legs? *	60.112b(a)(2)(iii) **EXEMPT**	Y	
60.113b(b)	UNSAFE CONDITIONS: Delay of EFR seal gap measurements allowed for unsafe conditions? If unable to make safe to measure, must the EFRT be emptied?	60.113b(b)(1) **not addressed** * 60.113b(b)(1) **not addressed** *	Y	
	EXTENSIONS OF TIME: If EFRT is unsafe to inspect & cannot be emptied within 45 days?	60.113b(b)(1) **not addressed** *	Y	
	Notification of Inspections: Are notifications of inspections to demonstrate initial compliance required, For EFR seal gap measurements:	60.113b(b)(1) & (5) **Required-notifications&reports per Ongoing Reports**	Y	
	Seal Gap Measurements: FREQUENCY AFTER INITIAL COMPLIANCE, For the EFR Primary Seal:	60.113b(b)(1)(i) **every 5 years**	Y	

IV. Source-specific Applicable Requirements

Table IV – BX Cluster 23
Source-specific Applicable Requirements
S642 – Tank A-642

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	Seal Gap Measurements: For new EFRTs:	60.113b(b)(1)(i) &(ii) **measure gaps of both seals within 60 days after initial fill**	Y	
	Seal Gap Measurements: FREQUENCY AFTER INITIAL COMPLIANCE, For the EFR Secondary Seal:	60.113b(b)(1)(ii) **annually**	Y	
	Seal Gap Measurements: For EFRTs returned to affected service after 1 yr or more of exempt service:	60.113b(b)(1)(iii) **measure gaps of both seals within 60 days**	Y	
	MEASUREMENT COND'S: Are EFR seal gap measurements to be made with the roof floating?	60.113b(b)(2)(i) **YES**	Y	
	DETERMINATION OF EFR RIM-SEAL GAP AREAS: Presence of a gap determined by inserting a 1/8 in. probe?	60.113b(b)(2)(ii) **YES**	Y	
	DETERMINATION OF EFR RIM-SEAL GAP AREAS: Use probes of various widths to determine the gap area?	60.113b(b)(2)(iii) **YES**	Y	
	DETERMINATION OF EFR RIM-SEAL GAP AREAS: Sum the gap areas & divide by the diameter of the tank?	60.113b(b)(3) **YES**	Y	
	EFRT REPAIRS: Time allowed for repair of defects found during in-service inspections of EFRs: If unable to repair, empty the EFRT & remove from service?	60.113b(b)(4) **make repairs within 45 days** 60.113b(b)(4) **YES, within 45 days**	Y	
	EFR Primary Seal Gap Inspection Criteria: maximum area: maximum gap width:	60.113b(b)(4)(i) **10 in2 per foot of vessel diameter** **1.5 in.**	Y	
	Shall there be no holes, tears, or openings in the EFR seals?	60.113b(b)(4)(i) & (ii) **YES**	Y	

IV. Source-specific Applicable Requirements

Table IV – BX Cluster 23
Source-specific Applicable Requirements
S642 – Tank A-642

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	Is the metallic shoe of an EFR mechanical-shoe seal required to have its bottom in the liquid and extend at least 24 in. above the liquid?	60.113b(b)(4)(i)(A) **YES**	Y	
	EFR Secondary Seal Gap Inspection Criteria: maximum area: maximum gap width:	60.113b(b)(4)(ii)(B) **1 in2 per foot of vessel diameter** **0.5 in.**	Y	
	Are EFR rim seals allowed to be pulled back or temporarily removed during inspection?	60.113b(b)(4)(ii)(B) **not addressed** *	Y	
	EXTENSIONS OF TIME: If EFRT defects cannot be repaired & the tank cannot be emptied within 45 days?	60.113b(b)(4)(iii) **1 extension of 30 days, if needed** *	Y	
	Periodic Reports: EFR report to include a prior request for 30-day extension, w/ documentation of need?	60.113b(b)(4)(iii) **required** *	Y	
	Periodic Reports: Additional information to be included if an extension is utilized for an EFR:	60.113b(b)(4)(iii) **document the reason for the extension** *	Y	
	Notification of Inspections: Is 30-day notice required prior to EFR seal gap measurements?	60.113b(b)(5) **REQUIRED**	Y	
	EFR Internal Inspections: up-close visual inspection of the floating roof, seals, & fittings:	60.113b(b)(6) **each time the tank is emptied & degassed**	Y	
	Notification of Inspections: Are notifications of inspections to demonstrate initial compliance required, For EFR internal inspections:	60.113b(b)(6) **internal inspection not required for initial compliance**	Y	
	EFRT REPAIRS: Repair of defects if the tank is empty?	60.113b(b)(6)(i) **prior to refilling**	Y	

IV. Source-specific Applicable Requirements

Table IV – BX Cluster 23
Source-specific Applicable Requirements
S642 – Tank A-642

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	Notification of Inspections: Is 30-day notice required for internal inspections of EFRTs (i.e., prior to filling or refilling); but a 7-day verbal notice acceptable if the event is unplanned?	60.113b(b)(6)(ii) **REQUIRED**	Y	
60.115b	**Recordkeeping for inspections:** Keep inspection reports as specified.	60.115b **Keep for at least 5 years**	Y	
60.115b(b)(2)-(5)	**Periodic Reports:** Report EFR seal gap inspections if there was no out-of-compliance?	60.115b(b)(2) **Required within 60 days of inspection ***	Y	
	Records of EFR inspection reports:	60.115b(b)(3) **EFR seal gap measurements**	Y	
	Periodic Reports: Report EFR seal gap inspections when there is out-of-compliance?	60.115b(b)(4) **Required within 30 days of inspection ***	Y	
	Periodic Reports: Report of EFR inspection failures to include:	60.115b(b)(4) **date of inspec, identification of tank, description of failure, & date of repair or emptying**	Y	
60.116b(a)	**Applicability records:** Time period for keeping records of applicability determination, unless specified otherwise.	60.116b(a) **Keep for at least 5 years except as required by** 60.116b(b)	Y	
60.116b(b)	**Applicability records:** Records of dimensions & capacity required for nonexempt tanks?	60.116b(b) **Required Keep record readily accessible for the life of the tank**	Y	
60.116b(c)	**Applicability records:** Additional recordkeeping requirements for certain tanks.	60.116b(c) **identification & TVP of the stored product, if capacity ≥ 20,000 gallons. and TVP ≥ 2.2, OR capacity ≥ 40,000 gallons. and TVP ≥ 0.51 Keep record as long as the tank is in that service**	Y	

IV. Source-specific Applicable Requirements

Table IV – BX Cluster 23
Source-specific Applicable Requirements
S642 – Tank A-642

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
60.116b(e)	**True vapor pressure (TVP) determination for applicability:**	60.116b(e) **maximum TVP of the stored liquid, based on highest calendar month average storage temperature**	Y	
NSPS Subpart A	**New Source Performance Standards** **GENERAL PROVISIONS**		Y	
60.7(a)	**Initial Notification:** Is initial notification of the source's existence required?	60.7(a)(1) **notification within 30 days after begin construction**	Y	
	Report (document) having initially achieved compliance?	60.7(a)(3) 60.115b(a)(1) & (b)(1) **within 15 days after initial fill**	Y	
	Notification of Compliance Status report:	60.7(a)(3) [cf. 60.115b(a)(1)&(b)(1)] **notification within 15 days after startup**	Y	
	Initial Notification: Is initial notification required if tank becomes affected only as a result of a modification?	60.7(a)(4) **notification 60 days or as soon as practicable before the change**	Y	
60.7(f)	**General recordkeeping requirements:** Time period for keeping records, unless specified otherwise.	60.7(f) **Keep all reports & notifications for 2 years**	Y	
	General recordkeeping requirements: Keep all reports and notification for the specified period of time.	60.7(f) **required**	Y	
60.14(g)	Achieve compliance for: New Tanks (or tanks that become affected as a result of a change or modification)?	60.14(g) **up to 180 days after modifications (otherwise prior to fill)**	Y	
NESHAPS Title 40 Part 61 Subpart FF	**NESHAPS, Benzene Waste Operations (01/07/1993)**			
40 CFR 61.340(a)	Applicability: Chemical Manufacturing, Coke by-product recovery, petroleum refineries		Y	
40 CFR 61.350	Delay of repair		Y	
40 CFR 61.350(a)	Delay of Repair: Allowed if technically impossible without complete or partial facility or unit shutdown.		Y	

IV. Source-specific Applicable Requirements

Table IV – BX Cluster 23
Source-specific Applicable Requirements
S642 – Tank A-642

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
40 CFR 61.350(b)	Delay of Repair: Repair shall occur before the end of the next facility or unit shutdown	Y	
40 CFR 61.351	Alternative standards for tanks	Y	
40 CFR 61.351(a)	As an alternative to 61.343, an owner or operator may elect to comply with one of the following:	Y	
40 CFR 61.351(a)(1)	Fixed roof and internal floating roof meeting 40 CFR 60.112b(a)(1)	Y	
40 CFR 61.351(a)(2)	An external floating roof meeting 40 CFR 60.112b(a)(2)	Y	
40 CFR 61.356	Recordkeeping Requirements	Y	
40 CFR 61.356(a)	Recordkeeping and retention requirements	Y	
40 CFR 61.356(b)	Waste stream records	Y	
40 CFR 61.356(b)(1)	Uncontrolled Waste Stream Records	Y	
40 CFR 61.356(b)(4)	Treat to 6 Waste Stream Records	Y	
40 CFR 61.356(c)	Offsite Waste Transfer Records	Y	
40 CFR 61.357(d)	Reporting Requirements: Facilities with 10 Mg/yr or more total benzene in waste	Y	
BAAQMD Condition # 5944	**Permit Conditions**		
Part 1	Design specifications (basis: Reg. 8-5, cumulative increase)	Y	
Part 2	Requirement to notify the District regarding tank seals (basis: Reg. 8-5, cumulative increase)	Y	
BAAQMD Condition # 19528			
Part 1	Throughput limit (basis: Regulation 2-1-234.3, Regulation 2-1-403 Regulation 2-6-503)	Y	

IV. Source-specific Applicable Requirements

Table IV – BY Cluster 23
Source-specific Applicable Requirements
S1521 – Tank A-904

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Reg 8 Rule 5	**Organic Compounds - STORAGE OF ORGANIC LIQUIDS REQUIREMENTS (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	
8-5-111.1.1	Limited Exemption, Tank Removal From and Return to Service, Notification - written	Y	
8-5-111.1.2	Limited Exemption, Tank Removal From and Return to Service, Notification - telephone	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	
8-5-112.1.1	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation, Notification - written	Y	
8-5-112.1.2	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation, Notification - telephone	Y	
8-5-112.2	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation, Tank in 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	

IV. Source-specific Applicable Requirements

Table IV – BY Cluster 23
Source-specific Applicable Requirements
S1521 – Tank A-904

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-5-112.6	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation, Keep records for each exemption	N	
8-5-119	Limited Exemption, Repair Period for Enhanced Monitoring Program (optional)	N	
8-5-301	Storage Tank Control Requirements	N	
8-5-304	Requirements for External Floating Roof Tanks	N	
8-5-320	Floating Roof Tank Fitting Requirements	N	
8-5-321	Primary Seal Requirements	N	
8-5-322	Secondary Seal Requirements	N	
8-5-328	Tank Degassing Requirements	N	
8-5-401	Inspection Requirements for External Floating Roof Tanks	N	
8-5-404	Inspection, Abatement Efficiency Determination, and Source Test Reports	N	
8-5-411	Enhanced Monitoring Program (optional)	N	
8-5-501	Records	N	
SIP Reg 8 Rule 5	**Organic Compounds - STORAGE OF ORGANIC LIQUIDS REQUIREMENTS (11/27/02)**		
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, Tank in compliance prior to notification	Y	
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service, Minimize emissions	Y	
8-5-111.6	Limited Exemption, Tank Removal From and Return to Service, Notice of completion not required	Y	
8-5-111.7	Limited Exemption, Tank Removal From and Return to Service, Satisfy requirements of 8-5-328	Y	
8-5-112	Limited Exemption, Tanks in Operation	Y	
8-5-112.2	Limited Exemption, Tanks in Operation, Tank in compliance prior to start of work. Certified per 8-5-404	Y	
8-5-112.4	Limited Exemption, Tanks in Operation, Not to exceed 7 days	Y	
8-5-301	Storage Tank Control Requirements	Y	
8-5-304	Requirements for External Floating Roofs	Y	
8-5-320	Tank Fitting Requirements	Y	
8-5-321	Primary Seal Requirements	Y	
8-5-322	Secondary Seal Requirements	Y	

IV. Source-specific Applicable Requirements

Table IV – BY Cluster 23
Source-specific Applicable Requirements
S1521 – Tank A-904

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-5-328	Tank Degassing Requirements	Y	
8-5-401	Inspection Requirements for External Floating Roof	Y	
8-5-404	Certification	Y	
8-5-405	Information Required	Y	
8-5-501	Records	Y	
40 CFR 63 Subpart CC	**NESHAP for Petroleum Refineries REQUIREMENTS FOR TANKS ALSO SUBJECT TO NSPS Kb**		
63.640(c)(2)	Applicability and designation of affected source: storage vessels	Y	
63.640(n)	Applicability and designation of affected source: overlap with other regulations for storage vessels	Y	
63.640(n)(1)	Applicability and designation of affected source: overlap with other regulations for storage vessels; Comply with 40 CFR 60 Subpart Kb	Y	
63.640(n)(8)	Applicability and designation of affected source: overlap with other regulations for storage vessels; Exceptions to NSPS Kb	Y	
63.640(n)(8)(i)	Applicability and designation of affected source: overlap with other regulations for storage vessels; Exceptions to NSPS Kb – exempt from 60.112b(a)(2)(i)(B) during EFR seal gap measurement	Y	
63.640(n)(8)(ii)	Applicability and designation of affected source: overlap with other regulations for storage vessels; Exceptions to NSPS Kb – unsafe to inspect	Y	
63.640(n)(8)(iii)	Applicability and designation of affected source: overlap with other regulations for storage vessels; Exceptions to NSPS Kb – repair period and extensions	Y	
63.640(n)(8)(iv)	Applicability and designation of affected source: overlap with other regulations for storage vessels; Exceptions to NSPS Kb – report on repair extensions	Y	
63.640(n)(8)(v)	Applicability and designation of affected source: overlap with other regulations for storage vessels; Exceptions to NSPS Kb – include NSPS Kb inspection reports in MACT CC periodic reports	Y	
63.640(n)(8)(vi)	Applicability and designation of affected source: overlap with other regulations for storage vessels; Exceptions to NSPS Kb – no report required if no gap exceedances	Y	
40 CFR 60 Subpart Kb	**NSPS -VOLATILE ORGANIC LIQUID STORAGE VESSELS REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS**		

IV. Source-specific Applicable Requirements

Table IV – BY Cluster 23
Source-specific Applicable Requirements
S1521 – Tank A-904

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.110b(a)	Applicability and designation of affected facility; applicable storage vessels	Y	
60.112b(a)(2)	Standard for VOC; external floating roof tank	Y	
60.112b(a)(2)(i)	Standard for VOC; external floating roof tank, install primary and secondary seals	Y	
60.112b(a)(2)(i)(A)	Standard for VOC; external floating roof tank, install primary and secondary seals, primary seal requirements	Y	
60.112b(a)(2)(i)(B)	Standard for VOC; external floating roof tank, install primary and secondary seals, secondary seal requirements	Y	
60.112b(a)(2)(ii)	Standard for VOC; external floating roof tank, roof fitting requirements	Y	
60.112b(a)(2)(iii)	Standard for VOC; external floating roof tank, floating roof operation	Y	
60.113b(b)	Testing and procedures; external floating roof tank	Y	
60.113b(b)(1)	Testing and procedures; external floating roof tank, seal gap measurement frequency	Y	
60.113b(b)(1)(i)	Testing and procedures; external floating roof tank, seal gap measurement frequency, primary seal requirements – initial and every 5 years	Y	
60.113b(b)(1)(ii)	Testing and procedures; external floating roof tank, seal gap measurement frequency, secondary seal requirements – initial and annually	Y	
60.113b(b)(1)(iii)	Testing and procedures; external floating roof tank, seal gap measurement frequency, requirements for reintroduction of VOL	Y	
60.113b(b)(2)	Testing and procedures; external floating roof tank, seal gap measurement procedures	Y	
60.113b(b)(2)(i)	Testing and procedures; external floating roof tank, seal gap measurement procedures, roof must be floating	Y	
60.113b(b)(2)(ii)	Testing and procedures; external floating roof tank, seal gap measurement procedures, measure around entire circumference	Y	
60.113b(b)(2)(iii)	Testing and procedures; external floating roof tank, seal gap measurement procedures, collect data to calculate gap surface area	Y	
60.113b(b)(3)	Testing and procedures; external floating roof tank, determine gap surface area for each seal	Y	
60.113b(b)(4)	Testing and procedures; external floating roof tank, tank inspection criteria and repair requirements	Y	

IV. Source-specific Applicable Requirements

Table IV – BY Cluster 23
Source-specific Applicable Requirements
S1521 – Tank A-904

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.113b(b)(4)(i)	Testing and procedures; external floating roof tank, tank inspection criteria - primary seal gaps	Y	
60.113b(b)(4)(i)(A)	Testing and procedures; external floating roof tank, tank inspection criteria - primary seal installation (mechanical shoe)	Y	
60.113b(b)(4)(i)(B)	Testing and procedures; external floating roof tank, tank inspection criteria - primary seal condition	Y	
60.113b(b)(4)(ii)	Testing and procedures; external floating roof tank, tank inspection criteria - secondary seal gaps	Y	
60.113b(b)(4)(ii)(A)	Testing and procedures; external floating roof tank, tank inspection criteria - secondary seal installation	Y	
60.113b(b)(4)(ii)(B)	Testing and procedures; external floating roof tank, tank inspection criteria - secondary seal gaps	Y	
60.113b(b)(4)(ii)(C)	Testing and procedures; external floating roof tank, tank inspection criteria - secondary seal condition	Y	
60.113b(b)(4)(iii)	Testing and procedures; external floating roof tank, tank inspection criteria – repair period and extensions	Y	
60.113b(b)(5)	Testing and procedures; external floating roof tank, 30 day notification required for seal gap measurements	Y	
60.113b(b)(6)	Testing and procedures; external floating roof tank, visual inspection required each time emptied and degassed	Y	
60.113b(b)(6)(i)	Testing and procedures; external floating roof tank, visual inspection required each time emptied and degassed, repair before refilling	Y	
60.113b(b)(6)(ii)	Testing and procedures; external floating roof tank, visual inspection required each time emptied and degassed, 30 day notification required before filling or refilling tank	Y	
60.115b	Reporting and recordkeeping requirements	Y	
60.115b(b)	Reporting and recordkeeping requirements; external floating roof tank	Y	
60.115b(b)(1)	Reporting and recordkeeping requirements; external floating roof tank, initial report	Y	
60.115b(b)(2)	Reporting and recordkeeping requirements; external floating roof tank, inspection report	Y	
60.115b(b)(3)	Reporting and recordkeeping requirements; external floating roof tank, gap measurement records	Y	
60.115b(b)(4)	Reporting and recordkeeping requirements; external floating roof tank, inspection report if seal gap exceedances	Y	

IV. Source-specific Applicable Requirements

Table IV – BY Cluster 23
Source-specific Applicable Requirements
S1521 – Tank A-904

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.116b(a)	Monitoring of operations; record retention	Y	
60.116b(b)	Monitoring of operations; permanent record requirements	Y	
60.116b(c)	Monitoring of operations; records of material stored, storage period, and TVP	Y	
60.116b(e)	Monitoring of operations; TVP determination procedures	Y	
BAAQMD Condition # 19528			
Part 1	Throughput limit (basis: Regulation 2-1-234.3, Regulation 2-1-403 Regulation 2-6-503)	Y	
BAAQMD Condition # 23715			
Part 1	Throughput Limit	Y	
Part 2	True Vapor Pressure Limit	Y	
Part 3	Recordkeeping Requirements	Y	

IV. Source-specific Applicable Requirements

Table IV – CA Cluster 24
Source-specific Applicable Requirements
S775 – Tank A-849

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Reg 8 Rule 5	**Organic Compounds - STORAGE OF ORGANIC LIQUIDS (11/27/02)**		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service, Notification	Y	
8-5-111.1.1	Limited Exemption, Tank Removal From and Return to Service, Notification, 3 day prior notification	Y	
8-5-111.1.2	Limited Exemption, Tank Removal From and Return to Service, Notification, Telephone notification	Y	
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service, Tank in compliance prior to notification	Y	
8-5-111.3	Limited Exemption, Tank Removal From and Return to Service, Floating roof tanks	Y	
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service, Minimize emissions	Y	
8-5-111.6	Limited Exemption, Tank Removal From and Return to Service, Notice of completion not required	Y	
8-5-111.7	Limited Exemption, Tank Removal From and Return to Service, Satisfy requirements of 8-5-328	Y	
8-5-112	Limited Exemption, Tanks in Operation	Y	
8-5-112.1	Limited Exemption, Tanks in Operation, Notification	Y	
8-5-112.1.1	Limited Exemption, Tanks in Operation, Notification, 3 day prior notification	Y	
8-5-112.1.2	Limited Exemption, Tanks in Operation, Notification, Telephone notification	Y	
8-5-112.2	Limited Exemption, Tanks in Operation, Tank in compliance prior to start of work. Certified per 8-5-404	Y	
8-5-112.3	Limited Exemption, Tanks in Operation, No product movement, Minimize emissions	Y	
8-5-112.4	Limited Exemption, Tanks in Operation, Not to exceed 7 days	Y	
8-5-301	Storage Tank Control Requirements	Y	
8-5-302	Requirements for Submerged Fill Pipes	Y	
8-5-303	Requirements for Pressure Vacuum Valve	Y	
8-5-305	Requirements for Internal Floating Roofs	Y	
8-5-320	Tank Fitting Requirements	Y	
8-5-321	Primary Seal Requirements	Y	

IV. Source-specific Applicable Requirements

Table IV – CA Cluster 24
Source-specific Applicable Requirements
S775 – Tank A-849

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
8-5-322	Secondary Seal Requirements		Y	
8-5-328	Tank Degassing Requirements		Y	
8-5-402	Inspection Requirements for Internal Floating Roof		Y	
8-5-403	Inspection Requirements for Pressure Vacuum Valves		Y	
8-5-404	Certification		Y	
8-5-405	Information Required		Y	
8-5-501	Records		Y	
8-5-502	Tank Degassing Annual Source Test Requirement		Y	
8-5-503	Portable Hydrocarbon Detector		Y	
Refinery MACT	**NESHAP for Petroleum Refineries REQUIREMENTS FOR TANKS ALSO SUBJECT TO NSPS Kb**		**Y**	
63.640(n)	Which rule governs for storage vessels subject to both Refinery MACT and NSPS subpart Kb?	63.640(n)(1) **NSPS subpart Kb**	**Y**	
	Does Refinery MACT provide for EFR secondary seals to be pulled back or temporarily removed during NSPS Kb inspections of the primary seal?	63.640(n)(8)(i) **YES**	**Y**	
	Does Refinery MACT provide for delay of NSPS Kb seal gap measurements due to unsafe conditions?	63.640(n)(8)(ii) **YES – up to 30 days, or empty the tank within 45 days**	**Y**	
	Does Refinery MACT provide for extensions of time to perform NSPS Kb inspections of unsafe tanks?	63.640(n)(8)(iii) **YES – up to 2 extensions of 30 days each**	**Y**	
	Does Refinery MACT provide for extensions of time to repair defects found during NSPS Kb inspections?	63.640(n)(8)(iii) **YES – up to 2 extensions of 30 days each**	**Y**	
	Does Refinery MACT provide for waiving the NSPS Kb prior-request requirement for extensions of time?	63.640(n)(8)(iii) **YES**	**Y**	
	Does Refinery MACT provide for submitting NSPS Kb documentation of the need for an extension with the next semi-annual periodic report?	63.640(n)(8)(iv) **YES**	**Y**	

IV. Source-specific Applicable Requirements

Table IV – CA Cluster 24
Source-specific Applicable Requirements
S775 – Tank A-849

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	Does Refinery MACT provide for submitting reports of NSPS Kb inspection failures on the semi-annual periodic report schedule?	63.640(n)(8)(v) **YES**	**Y**	
	Does Refinery MACT provide for not reporting the results of NSPS Kb inspections when there was no out-of-compliance (i.e., recordkeeping only)?	63.640(n)(8)(vi) **YES**	**Y**	
NSPS Subpart Kb	**Volatile Organic Liquid Storage Vessels** **REQUIREMENTS FOR INTERNAL FLOATING ROOF TANKS**		**Y**	
60.112b(a)(1)	**IFRT operating requirements:** When landing the floating roof on its support legs, is the tank to be emptied & either refilled or degassed AS SOON AS POSSIBLE?	60.112b(a)(1)(i) **YES**	**Y**	
	Temporary exemption from operating requirements while the internal floating roof is landed on its support legs? *	60.112b(a)(1)(i) **EXEMPT**	**Y**	
	IFR Rim Seals: vapor-mounted primary seal: liquid-mounted primary seal: mechanical-shoe primary seal:	60.112b(a)(1)(ii) **OK with rim-mounted secondary** **OK alone** **OK alone**	**Y**	
	Must IFR vapor-mounted rim seals be continuous?	60.112b(a)(1)(ii)(B) **REQUIRED**	**Y**	
	IFR deck openings other than for vents to project into liquid?	60.112b(a)(1)(iii) **REQUIRED**	**Y**	
	Deck openings (wells) other than for vents, drains, or legs to have covers that are kept closed except for access?	60.112b(a)(1)(iv) **REQUIRED**	**Y**	
	IFR access hatch & gauge float well covers to be bolted closed?	60.112b(a)(1)(iv) **REQUIRED**	v	
	IFR well covers to be gasketed?	60.112b(a)(1)(iv) & (ix) **REQUIRED**	**Y**	

IV. Source-specific Applicable Requirements

Table IV – CA Cluster 24
Source-specific Applicable Requirements
S775 – Tank A-849

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	IFRT unslotted guidepoles to have a gasketed cap at the top of the pole?	60.112b(a)(1)(iv) **Required per FR notices** 65 FR 2336 (01/14/00) 65 FR 19891(04/13/00)	**Y**	
	IFRT slotted guidepoles to have a deck cover gasket and pole wiper, and either an internal float or a pole sleeve?	60.112b(a)(1)(iv) **Required per FR notices** 65 FR 2336 (01/14/00) 65 FR 19891(04/13/00)	**Y**	
	IFR auto. bleeder vent (vacuum breaker) to be closed except when the deck is landed?	60.112b(a)(1)(v) **REQUIRED**	Y	
	IFR vents to be gasketed?	60.112b(a)(1)(v) & (vi) **REQUIRED**	Y	
	IFR rim space vents to remain closed except when the pressure setting is exceeded?	60.112b(a)(1)(vi) **REQUIRED**	Y	
	IFR sample penetration to be a sample well with a slit-fabric seal over 90% of the opening?	60.112b(a)(1)(vii) **REQUIRED**	Y	
	IFR guidepole & column wells allowed a flexible-fabric sleeve seal or a gasketed cover?	60.112b(a)(1)(viii) **OK for columns**	Y	
60.113b(a)	**IFR/CFR Internal Inspections:** (up close visual inspection of the floating roof, seals, & fittings):	60.113b(a)(1) & (4) **prior to initial fill, then every 10 years, including each emptying/degassing**	Y	
	Notification of Inspections: Are notifications of inspections to demonstrate initial compliance required, For IFR/CFR internal inspections:	60.113b(a)(1) & (5) **Required-notifications&reports per Ongoing Reports**	Y	
	Shall there be no holes, tears, or openings in the IFR seals?	60.113b(a)(1), (2), &(4) **REQUIRED**	Y	
	Is there to be no liquid on the internal floating roof?	60.113b(a)(2) **REQUIRED**	Y	
	Tank Top Visual Inspections (of IFR/CFR from manways and hatches of the fixed roof):	60.113b(a)(2) **annually after initial fill**	Y	
	IFRT REPAIRS: Time allowed for repair of defects found during in-service inspections:	60.113b(a)(2) **make repairs within 45 days**	Y	

IV. Source-specific Applicable Requirements

Table IV – CA Cluster 24
Source-specific Applicable Requirements
S775 – Tank A-849

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	IFRT REPAIRS: If unable to repair, empty the tank & remove from service?	60.113b(a)(2) **YES, within 45 days**	Y	
	EXTENSIONS OF TIME: If defects cannot be repaired & the IFRT cannot be emptied within 45 days?	60.113b(a)(2) **1 extension of 30 days, if needed** *	Y	
	Periodic Reports: IFR/CFR report to include prior request for 30-day extension, w/ documentation of need?	60.113b(a)(2) **required** *	**Y**	
	Periodic Reports: Additional information to be included if an extension is utilized for an IFR/CFR:	60.113b(a)(2) **document the reason for the extension** *	**Y**	
	OPTION: Does this rule allow an internal inspection every 5 years to replace <u>both</u> inspections noted above, if the IFR/CFR is equipped with a secondary seal?	60.113b(a)(3) & (4) **YES**	**Y**	
	IFRT REPAIRS: Repair of defects if the tank is empty?	60.113b(a)(4) **prior to refilling**	**Y**	
	Notification of Inspections: Is 30-day notice required for internal inspections of IFRTs & CFRTs (i.e., prior to filling or refilling); but a 7-day verbal notice acceptable if the event is unplanned?	60.113b(a)(5) **REQUIRED**	**Y**	
60.115b	**Recordkeeping for inspections:** Keep inspection reports as specified.	60.115b **Keep for at least 5 years**	**Y**	
60.115b(a)(2)-(5)	Records of IFR & CFR inspection reports:	60.115b(a)(2) **all IFR inspections**	Y	
	Periodic Reports: Report of IFR/CFR inspections that find out-of-compliance?	60.115b(a)(3) & (4) **Required within 30 days for in-service inspections** * **(not required for out-of-service inspections)**	Y	

IV. Source-specific Applicable Requirements

Table IV – CA Cluster 24
Source-specific Applicable Requirements
S775 – Tank A-849

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	Periodic Reports: Report of IFR/CFR inspection failures to include:	60.115b(a)(3) & (4) **date of inspec, identification of tank, description of failure, & date of repair or emptying**	Y	
60.116b(a)	**Applicability records:** Time period for keeping records of applicability determination, unless specified otherwise.	60.116b(a) **Keep required records for 5 yearsall required records other than the record required by** 60.116b(b) for at least 5 years	Y	
60.116b(b)	**Applicability records:** Records of dimensions & capacity required for nonexempt tanks?	60.116b(b) **Required** **Keep record readily accessible for the life of the tank**	Y	
60.116b(c)	**Applicability records:** Additional recordkeeping requirements for certain tanks.	60.116b(c) **identification & TVP of the stored product, if capacity ≥ 20,000 gallons. and TVP ≥ 2.2, OR capacity ≥ 40,000 gallons. and TVP ≥ 0.51** **Keep record as long as the tank is in that service**	Y	
60.116b(e)	**True vapor pressure (TVP) determination for applicability:**	60.116b(e) **maximum TVP of the stored liquid, based on highest calendar month average storage temperature**	Y	
NSPS Subpart A	**New Source Performance Standards** **GENERAL PROVISIONS**		Y	
60.7(a)	**Initial Notification:** Is initial notification of the source's existence required?	60.7(a)(1) **notification within 30 days after begin construction**	Y	
	Report (document) having initially achieved compliance?	60.7(a)(3) 60.115b(a)(1) & (b)(1) **within 15 days after initial fill**	Y	
	Notification of Compliance Status report:	60.7(a)(3) [cf. 60.115b(a)(1)&(b)(1)] **notification within 15 days after startup**	Y	
	Initial Notification: Is initial notification required if tank becomes affected only as a result of a modification?	60.7(a)(4) **notification 60 days or as soon as practicable before the change**	Y	
60.7(f)	**General recordkeeping requirements:** Time period for keeping records, unless specified otherwise.	60.7(f) **Keep all reports & notifications for 2 years**	Y	

IV. Source-specific Applicable Requirements

Table IV – CA Cluster 24
Source-specific Applicable Requirements
S775 – Tank A-849

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	General recordkeeping requirements: Keep all reports and notification for the specified period of time.	60.7(f) **required**	Y	
60.14(g)	Achieve compliance for: New Tanks (or tanks that become affected as a result of a change or modification)?	60.14(g) **up to 180 days after modifications (otherwise prior to fill)**	Y	
BAAQMD Condition # 10525				
Part 8	Requirement for Pressure Relief Valves to Be Vented to Flare Gas Vapor Recovery System (basis: Regulation 8-28, BACT)		Y	
BAAQMD Condition # 19762	**Permit Conditions**			
Part A1	Throughput limit (basis: cumulative increase, toxics, offsets)		Y	
Part A2	True vapor pressure limitation (basis: BACT, Regulation 8-5, cumulative increase, toxics, offsets)		Y	
Part A3	Construction design requirements (basis: BACT, Regulation 8-5, cumulative increase, toxics, NSPS, Regulation 10, Subpart Kb, offsets)		Y	
Part A4	Construction design requirements for fittings and roof penetrations (basis: cumulative increase, toxics, offsets)		Y	
Part A5	Requirements for storage of materials other than gasoline (basis: cumulative increase, toxics, offsets)		Y	
Part A6	Record keeping (basis: cumulative increase, toxics, offsets)		Y	
BAAQMD Condition # 19528				
Part 1	Throughput limit (basis: Regulation 2-1-234.3, Regulation 2-1-403 Regulation 2-6-503)		Y	

IV. Source-specific Applicable Requirements

Table IV – CB Cluster 24
Source-specific Applicable Requirements
S280 – Tank A-280, S311 – Tank A-311~~, S314 – Tank A-314~~

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Reg 8 Rule 5	**Organic Compounds - STORAGE OF ORGANIC LIQUIDS (11/27/02)**		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service, Notification	Y	
8-5-111.1.1	Limited Exemption, Tank Removal From and Return to Service, Notification, 3 day prior notification	Y	
8-5-111.1.2	Limited Exemption, Tank Removal From and Return to Service, Notification, Telephone notification	Y	
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service, Tank in compliance prior to notification	Y	
8-5-111.3	Limited Exemption, Tank Removal From and Return to Service, Floating roof tanks	Y	
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service, Minimize emissions	Y	
8-5-111.6	Limited Exemption, Tank Removal From and Return to Service, Notice of completion not required	Y	
8-5-111.7	Limited Exemption, Tank Removal From and Return to Service, Satisfy requirements of 8-5-328	Y	
8-5-112	Limited Exemption, Tanks in Operation	Y	
8-5-112.1	Limited Exemption, Tanks in Operation, Notification	Y	
8-5-112.1.1	Limited Exemption, Tanks in Operation, Notification, 3 day prior notification	Y	
8-5-112.1.2	Limited Exemption, Tanks in Operation, Notification, Telephone notification	Y	
8-5-112.2	Limited Exemption, Tanks in Operation, Tank in compliance prior to start of work. Certified per 8-5-404	Y	
8-5-112.3	Limited Exemption, Tanks in Operation, No product movement, Minimize emissions	Y	
8-5-112.4	Limited Exemption, Tanks in Operation, Not to exceed 7 days	Y	
8-5-301	Storage Tank Control Requirements	Y	
8-5-302	Requirements for Submerged Fill Pipes	Y	
8-5-303	Requirements for Pressure Vacuum Valve	Y	
8-5-305	Requirements for Internal Floating Roofs	Y	
8-5-320	Tank Fitting Requirements	Y	

IV. Source-specific Applicable Requirements

Table IV – CB Cluster 24
Source-specific Applicable Requirements
S280 – Tank A-280, S311 – Tank A-311~~, S314 – Tank A-314~~

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
8-5-321	Primary Seal Requirements		Y	
8-5-322	Secondary Seal Requirements		Y	
8-5-328	Tank Degassing Requirements		Y	
8-5-402	Inspection Requirements for Internal Floating Roof		Y	
8-5-403	Inspection Requirements for Pressure Vacuum Valves		Y	
8-5-404	Certification		Y	
8-5-405	Information Required		Y	
8-5-501	Records		Y	
8-5-502	Tank Degassing Annual Source Test Requirement		Y	
8-5-503	Portable Hydrocarbon Detector		Y	
Refinery MACT	**NESHAP for Petroleum Refineries REQUIREMENTS FOR TANKS ALSO SUBJECT TO NSPS Kb**		**Y**	
63.640(n)	Which rule governs for storage vessels subject to both Refinery MACT and NSPS subpart Kb?	63.640(n)(1) **NSPS subpart Kb**	**Y**	
	Does Refinery MACT provide for EFR secondary seals to be pulled back or temporarily removed during NSPS Kb inspections of the primary seal?	63.640(n)(8)(i) **YES**	**Y**	
	Does Refinery MACT provide for delay of NSPS Kb seal gap measurements due to unsafe conditions?	63.640(n)(8)(ii) **YES – up to 30 days, or empty the tank within 45 days**	**Y**	
	Does Refinery MACT provide for extensions of time to perform NSPS Kb inspections of unsafe tanks?	63.640(n)(8)(iii) **YES – up to 2 extensions of 30 days each**	**Y**	
	Does Refinery MACT provide for extensions of time to repair defects found during NSPS Kb inspections?	63.640(n)(8)(iii) **YES – up to 2 extensions of 30 days each**	**Y**	
	Does Refinery MACT provide for waiving the NSPS Kb prior-request requirement for extensions of time?	63.640(n)(8)(iii) **YES**	**Y**	

IV. Source-specific Applicable Requirements

Table IV – CB Cluster 24
Source-specific Applicable Requirements
S280 – Tank A-280, S311 – Tank A-311~~, S314 – Tank A-314~~

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	Does Refinery MACT provide for submitting NSPS Kb documentation of the need for an extension with the next semi-annual periodic report?	63.640(n)(8)(iv) **YES**	**Y**	
	Does Refinery MACT provide for submitting reports of NSPS Kb inspection failures on the semi-annual periodic report schedule?	63.640(n)(8)(v) **YES**	**Y**	
	Does Refinery MACT provide for not reporting the results of NSPS Kb inspections when there was no out-of-compliance (i.e., recordkeeping only)?	63.640(n)(8)(vi) **YES**	**Y**	
NSPS Subpart Kb	**Volatile Organic Liquid Storage Vessels** **REQUIREMENTS FOR INTERNAL FLOATING ROOF TANKS**		**Y**	
60.112b(a)(1)	**IFRT operating requirements:** When landing the floating roof on its support legs, is the tank to be emptied & either refilled or degassed AS SOON AS POSSIBLE?	60.112b(a)(1)(i) **YES**	**Y**	
	Temporary exemption from operating requirements while the internal floating roof is landed on its support legs? *	60.112b(a)(1)(i) **EXEMPT**	**Y**	
	IFR Rim Seals: vapor-mounted primary seal: liquid-mounted primary seal: mechanical-shoe primary seal:	60.112b(a)(1)(ii) **OK with rim-mounted secondary** **OK alone** **OK alone**	**Y**	
	Must IFR vapor-mounted rim seals be continuous?	60.112b(a)(1)(ii)(B) **REQUIRED**	**Y**	
	IFR deck openings other than for vents to project into liquid?	60.112b(a)(1)(iii) **REQUIRED**	**Y**	
	Deck openings (wells) other than for vents, drains, or legs to have covers that are kept closed except for access?	60.112b(a)(1)(iv) **REQUIRED**	**Y**	
	IFR access hatch & gauge float well covers to be bolted closed?	60.112b(a)(1)(iv) **REQUIRED**	**Y**	

IV. Source-specific Applicable Requirements

Table IV – CB Cluster 24
Source-specific Applicable Requirements
S280 – Tank A-280, S311 – Tank A-311~~, S314 – Tank A-314~~

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	IFR well covers to be gasketed?	60.112b(a)(1)(iv) & (ix) **REQUIRED**	**Y**	
	IFRT unslotted guidepoles to have a gasketed cap at the top of the pole?	60.112b(a)(1)(iv) **Required per FR notices** 65 FR 2336 (01/14/00) 65 FR 19891(04/13/00)	**Y**	
	IFRT slotted guidepoles to have a deck cover gasket and pole wiper, and either an internal float or a pole sleeve?	60.112b(a)(1)(iv) **Required per FR notices** 65 FR 2336 (01/14/00) 65 FR 19891(04/13/00)	**Y**	
	IFR auto. bleeder vent (vacuum breaker) to be closed except when the deck is landed?	60.112b(a)(1)(v) **REQUIRED**	**Y**	
	IFR vents to be gasketed?	60.112b(a)(1)(v) & (vi) **REQUIRED**	**Y**	
	IFR rim space vents to remain closed except when the pressure setting is exceeded?	60.112b(a)(1)(vi) **REQUIRED**	**Y**	
	IFR sample penetration to be a sample well with a slit-fabric seal over 90% of the opening?	60.112b(a)(1)(vii) **REQUIRED**	**Y**	
	IFR guidepole & column wells allowed a flexible-fabric sleeve seal or a gasketed cover?	60.112b(a)(1)(viii) **OK for columns**	**Y**	
60.113b(a)	**IFR/CFR Internal Inspections:** (up close visual inspection of the floating roof, seals, & fittings):	60.113b(a)(1) & (4) **prior to initial fill, then every 10 years, including each emptying/degassing**	**Y**	
	Notification of Inspections: Are notifications of inspections to demonstrate initial compliance required, For IFR/CFR internal inspections:	60.113b(a)(1) & (5) **Required-notifications&reports per Ongoing Reports**	**Y**	
	Shall there be no holes, tears, or openings in the IFR seals?	60.113b(a)(1), (2), &(4) **REQUIRED**	**Y**	
	Is there to be no liquid on the internal floating roof?	60.113b(a)(2) **REQUIRED**	**Y**	
	Tank Top Visual Inspections (of IFR/CFR from manways and hatches of the fixed roof):	60.113b(a)(2) **annually after initial fill**	**Y**	

IV. Source-specific Applicable Requirements

Table IV – CB Cluster 24
Source-specific Applicable Requirements
S280 – Tank A-280, S311 – Tank A-311~~, S314 – Tank A-314~~

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	IFRT REPAIRS: Time allowed for repair of defects found during in-service inspections:	60.113b(a)(2) **make repairs within 45 days**	**Y**	
	IFRT REPAIRS: If unable to repair, empty the tank & remove from service?	60.113b(a)(2) **YES, within 45 days**	**Y**	
	EXTENSIONS OF TIME: If defects cannot be repaired & the IFRT cannot be emptied within 45 days?	60.113b(a)(2) **1 extension of 30 days, if needed ***	**Y**	
	Periodic Reports: IFR/CFR report to include prior request for 30-day extension, w/ documentation of need?	60.113b(a)(2) **required ***	**Y**	
	Periodic Reports: Additional information to be included if an extension is utilized for an IFR/CFR:	60.113b(a)(2) **document the reason for the extension ***	**Y**	
	OPTION: Does this rule allow an internal inspection every 5 years to replace both inspections noted above, if the IFR/CFR is equipped with a secondary seal?	60.113b(a)(3) & (4) **YES**	**Y**	
	IFRT REPAIRS: Repair of defects if the tank is empty?	60.113b(a)(4) **prior to refilling**	**Y**	
	Notification of Inspections: Is 30-day notice required for internal inspections of IFRTs & CFRTs (i.e., prior to filling or refilling); but a 7-day verbal notice acceptable if the event is unplanned?	60.113b(a)(5) **REQUIRED**	**Y**	
60.115b	**Recordkeeping for inspections:** Keep inspection reports as specified.	60.115b **Keep required records for 5 years**	**Y**	
60.115b(a)(2)-(5)	Records of IFR & CFR inspection reports:	60.115b(a)(2) **all IFR inspections**	**Y**	

IV. Source-specific Applicable Requirements

Table IV – CB Cluster 24
Source-specific Applicable Requirements
S280 – Tank A-280, S311 – Tank A-311~~, S314 – Tank A-314~~

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	Periodic Reports: Report of IFR/CFR inspections that find out-of-compliance?	60.115b(a)(3) & (4) **Required within 30 days for in-service inspections *** **(not required for out-of-service inspections)**	**Y**	
	Periodic Reports: Report of IFR/CFR inspection failures to include:	60.115b(a)(3) & (4) **date of inspec, identification of tank, description of failure, & date of repair or emptying**	**Y**	
60.116b(a)	**Applicability records:** Time period for keeping records of applicability determination, unless specified otherwise.	60.116b(a) **Keep required records for 5 years except as required in** 60.116b(b)	**Y**	
60.116b(b)	**Applicability records:** Records of dimensions & capacity required for nonexempt tanks?	60.116b(b) **Required** **Keep record readily accessible for the life of the tank**	**Y**	
60.116b(c)	**Applicability records:** Additional recordkeeping requirements for certain tanks.	60.116b(c) **identification & TVP of the stored product, if capacity ≥ 20,000 gallons. and TVP ≥ 2.2, OR capacity ≥ 40,000 gallons. and TVP ≥ 0.51** **Keep record as long as the tank is in that service**	**Y**	
60.116b(e)	**True vapor pressure (TVP) determination for applicability:**	60.116b(e) **maximum TVP of the stored liquid, based on highest calendar month average storage temperature**	**Y**	
NSPS Subpart A	**New Source Performance Standards** **GENERAL PROVISIONS**		**Y**	
60.7(a)	**Initial Notification:** Is initial notification of the source's existence required?	60.7(a)(1) **notification within 30 days after begin construction**	**Y**	
	Report (document) having initially achieved compliance?	60.7(a)(3) 60.115b(a)(1) & (b)(1) **within 15 days after initial fill**	**Y**	
	Notification of Compliance Status report:	60.7(a)(3) [cf. 60.115b(a)(1)&(b)(1)] **notification within 15 days after startup**	**Y**	

IV. Source-specific Applicable Requirements

Table IV – CB Cluster 24
Source-specific Applicable Requirements
S280 – Tank A-280, S311 – Tank A-311~~, S314 – Tank A-314~~

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	Initial Notification: Is initial notification required if tank becomes affected only as a result of a modification?	60.7(a)(4) **notification 60 days or as soon as practicable before the change**	**Y**	
60.7(f)	**General recordkeeping requirements:** Time period for keeping records, unless specified otherwise.	60.7(f) **Keep all reports & notifications for 2 years**	**Y**	
	General recordkeeping requirements: Keep all reports and notification for the specified period of time.	60.7(f) **required**	**Y**	
60.14(g)	Achieve compliance for: New Tanks (or tanks that become affected as a result of a change or modification)?	60.14(g) **up to 180 days after modifications (otherwise prior to fill)**	**Y**	
BAAQMD Condition # 11896	**Permit Conditions**			
Part 1	Design specifications (basis: Reg. 8-5, cumulative increase)		Y	
Part 2	Requirement to notify the District regarding tank seals (basis: Reg. 8-5, cumulative increase))		Y	
BAAQMD Condition # 19528				
Part 1	Throughput limit (basis: Regulation 2-1-234.3, Regulation 2-1-403 Regulation 2-6-503)		Y	

IV. Source-specific Applicable Requirements

Table IV – CC Cluster 24
Source-specific Applicable Requirements
S316 – Tank A-316

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Reg 8 Rule 5	**Organic Compounds - STORAGE OF ORGANIC LIQUIDS (11/27/02)**		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service, Notification	Y	
8-5-111.1.1	Limited Exemption, Tank Removal From and Return to Service, Notification, 3 day prior notification	Y	
8-5-111.1.2	Limited Exemption, Tank Removal From and Return to Service, Notification, Telephone notification	Y	
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service, Tank in compliance prior to notification	Y	
8-5-111.3	Limited Exemption, Tank Removal From and Return to Service, Floating roof tanks	Y	
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service, Minimize emissions	Y	
8-5-111.6	Limited Exemption, Tank Removal From and Return to Service, Notice of completion not required	Y	
8-5-111.7	Limited Exemption, Tank Removal From and Return to Service, Satisfy requirements of 8-5-328	Y	
8-5-112	Limited Exemption, Tanks in Operation	Y	
8-5-112.1	Limited Exemption, Tanks in Operation, Notification	Y	
8-5-112.1.1	Limited Exemption, Tanks in Operation, Notification, 3 day prior notification	Y	
8-5-112.1.2	Limited Exemption, Tanks in Operation, Notification, Telephone notification	Y	
8-5-112.2	Limited Exemption, Tanks in Operation, Tank in compliance prior to start of work. Certified per 8-5-404	Y	
8-5-112.3	Limited Exemption, Tanks in Operation, No product movement, Minimize emissions	Y	
8-5-112.4	Limited Exemption, Tanks in Operation, Not to exceed 7 days	Y	
8-5-301	Storage Tank Control Requirements	Y	
8-5-302	Requirements for Submerged Fill Pipes	Y	
8-5-303	Requirements for Pressure Vacuum Valve	Y	
8-5-305	Requirements for Internal Floating Roofs	Y	
8-5-320	Tank Fitting Requirements	Y	
8-5-321	Primary Seal Requirements	Y	
8-5-322	Secondary Seal Requirements	Y	

IV. Source-specific Applicable Requirements

Table IV – CC Cluster 24
Source-specific Applicable Requirements
S316 – Tank A-316

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
8-5-328	Tank Degassing Requirements		Y	
8-5-402	Inspection Requirements for Internal Floating Roof		Y	
8-5-403	Inspection Requirements for Pressure Vacuum Valves		Y	
8-5-404	Certification		Y	
8-5-405	Information Required		Y	
8-5-501	Records		Y	
8-5-502	Tank Degassing Annual Source Test Requirement		Y	
8-5-503	Portable Hydrocarbon Detector		Y	
Refinery MACT	**NESHAP for Petroleum Refineries REQUIREMENTS FOR TANKS ALSO SUBJECT TO NSPS Kb**		**Y**	
63.640(n)	Which rule governs for storage vessels subject to both Refinery MACT and NSPS subpart Kb?	63.640(n)(1) **NSPS subpart Kb**	Y	
	Does Refinery MACT provide for EFR secondary seals to be pulled back or temporarily removed during NSPS Kb inspections of the primary seal?	63.640(n)(8)(i) **YES**	Y	
	Does Refinery MACT provide for delay of NSPS Kb seal gap measurements due to unsafe conditions?	63.640(n)(8)(ii) **YES – up to 30 days, or empty the tank within 45 days**	Y	
	Does Refinery MACT provide for extensions of time to perform NSPS Kb inspections of unsafe tanks?	63.640(n)(8)(iii) **YES – up to 2 extensions of 30 days each**	Y	
	Does Refinery MACT provide for extensions of time to repair defects found during NSPS Kb inspections?	63.640(n)(8)(iii) **YES – up to 2 extensions of 30 days each**	Y	
	Does Refinery MACT provide for waiving the NSPS Kb prior-request requirement for extensions of time?	63.640(n)(8)(iii) **YES**	Y	
	Does Refinery MACT provide for submitting NSPS Kb documentation of the need for an extension with the next semi-annual periodic report?	63.640(n)(8)(iv) **YES**	Y	

IV. Source-specific Applicable Requirements

Table IV – CC Cluster 24
Source-specific Applicable Requirements
S316 – Tank A-316

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	Does Refinery MACT provide for submitting reports of NSPS Kb inspection failures on the semi-annual periodic report schedule?	63.640(n)(8)(v) **YES**	Y	
	Does Refinery MACT provide for not reporting the results of NSPS Kb inspections when there was no out-of-compliance (i.e., recordkeeping only)?	63.640(n)(8)(vi) **YES**	Y	
NSPS Subpart Kb	**Volatile Organic Liquid Storage Vessels** **REQUIREMENTS FOR INTERNAL FLOATING ROOF TANKS**		**Y**	
60.112b(a)(1)	**IFRT operating requirements:** When landing the floating roof on its support legs, is the tank to be emptied & either refilled or degassed AS SOON AS POSSIBLE?	60.112b(a)(1)(i) **YES**	Y	
	Temporary exemption from operating requirements while the internal floating roof is landed on its support legs? *	60.112b(a)(1)(i) **EXEMPT**	Y	
	IFR Rim Seals: vapor-mounted primary seal: liquid-mounted primary seal: mechanical-shoe primary seal:	60.112b(a)(1)(ii) **OK with rim-mounted secondary** **OK alone** **OK alone**	Y	
	Must IFR vapor-mounted rim seals be continuous?	60.112b(a)(1)(ii)(B) **REQUIRED**	Y	
	IFR deck openings other than for vents to project into liquid?	60.112b(a)(1)(iii) **REQUIRED**	Y	
	Deck openings (wells) other than for vents, drains, or legs to have covers that are kept closed except for access?	60.112b(a)(1)(iv) **REQUIRED**	Y	
	IFR access hatch & gauge float well covers to be bolted closed?	60.112b(a)(1)(iv) **REQUIRED**	Y	
	IFR well covers to be gasketed?	60.112b(a)(1)(iv) & (ix) **REQUIRED**	Y	

IV. Source-specific Applicable Requirements

Table IV – CC Cluster 24
Source-specific Applicable Requirements
S316 – Tank A-316

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	IFRT unslotted guidepoles to have a gasketed cap at the top of the pole?	60.112b(a)(1)(iv) **Required per FR notices** 65 FR 2336 (01/14/00) 65 FR 19891(04/13/00)	Y	
	IFRT slotted guidepoles to have a deck cover gasket and pole wiper, and either an internal float or a pole sleeve?	60.112b(a)(1)(iv) **Required per FR notices** 65 FR 2336 (01/14/00) 65 FR 19891(04/13/00)	Y	
	IFR auto. bleeder vent (vacuum breaker) to be closed except when the deck is landed?	60.112b(a)(1)(v) **REQUIRED**	Y	
	IFR vents to be gasketed?	60.112b(a)(1)(v) & (vi) **REQUIRED**	Y	
	IFR rim space vents to remain closed except when the pressure setting is exceeded?	60.112b(a)(1)(vi) **REQUIRED**	Y	
	IFR sample penetration to be a sample well with a slit-fabric seal over 90% of the opening?	60.112b(a)(1)(vii) **REQUIRED**	Y	
	IFR guidepole & column wells allowed a flexible-fabric sleeve seal or a gasketed cover?	60.112b(a)(1)(viii) **OK for columns**	Y	
60.113b(a)	**IFR/CFR Internal Inspections:** (up close visual inspection of the floating roof, seals, & fittings):	60.113b(a)(1) & (4) **prior to initial fill, then every 10 years, including each emptying/degassing**	Y	
	Notification of Inspections: Are notifications of inspections to demonstrate initial compliance required, For IFR/CFR internal inspections:	60.113b(a)(1) & (5) **Required-notifications&reports per Ongoing Reports**	Y	
	Shall there be no holes, tears, or openings in the IFR seals?	60.113b(a)(1), (2), &(4) **REQUIRED**	Y	
	Is there to be no liquid on the internal floating roof?	60.113b(a)(2) **REQUIRED**	Y	
	Tank Top Visual Inspections (of IFR/CFR from manways and hatches of the fixed roof):	60.113b(a)(2) **annually after initial fill**	Y	
	IFRT REPAIRS: Time allowed for repair of defects found during in-service inspections:	60.113b(a)(2) **make repairs within 45 days**	Y	

IV. Source-specific Applicable Requirements

Table IV – CC Cluster 24
Source-specific Applicable Requirements
S316 – Tank A-316

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	IFRT REPAIRS: If unable to repair, empty the tank & remove from service?	60.113b(a)(2) **YES, within 45 days**	Y	
	EXTENSIONS OF TIME: If defects cannot be repaired & the IFRT cannot be emptied within 45 days?	60.113b(a)(2) **1 extension of 30 days, if needed ***	Y	
	Periodic Reports: IFR/CFR report to include prior request for 30-day extension, w/ documentation of need?	60.113b(a)(2) **required ***	Y	
	Periodic Reports: Additional information to be included if an extension is utilized for an IFR/CFR:	60.113b(a)(2) **document the reason for the extension ***	Y	
	OPTION: Does this rule allow an internal inspection every 5 years to replace <u>both</u> inspections noted above, if the IFR/CFR is equipped with a secondary seal?	60.113b(a)(3) & (4) **YES**	Y	
	IFRT REPAIRS: Repair of defects if the tank is empty?	60.113b(a)(4) **prior to refilling**	Y	
	Notification of Inspections: Is 30-day notice required for internal inspections of IFRTs & CFRTs (i.e., prior to filling or refilling); but a 7-day verbal notice acceptable if the event is unplanned?	60.113b(a)(5) **REQUIRED**	Y	
60.115b	**Recordkeeping for inspections:** Keep inspection reports as specified.	60.115b **Keep required records for 5 years**	Y	
	IFRT report to include:	60.115b(a)(1) **description of control equipment**	Y	
60.115b(a)(2)-(5)	Records of IFR & CFR inspection reports:	60.115b(a)(2) **all IFR inspections**	Y	

IV. Source-specific Applicable Requirements

Table IV – CC Cluster 24
Source-specific Applicable Requirements
S316 – Tank A-316

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	Periodic Reports: Report of IFR/CFR inspections that find out-of-compliance?	60.115b(a)(3) & (4) **Required within 30 days for in-service inspections *** **(not required for out-of-service inspections)**	Y	
	Periodic Reports: Report of IFR/CFR inspection failures to include:	60.115b(a)(3) & (4) **date of inspec, identification of tank, description of failure, & date of repair or emptying**	Y	
60.116b(a)	**Applicability records:** Time period for keeping records of applicability determination, unless specified otherwise.	60.116b(a) **Keep required records for 5 years except as required by** 60.116b(b)	Y	
60.116b(b)	**Applicability records:** Records of dimensions & capacity required for nonexempt tanks?	60.116b(b) **Required** **Keep record readily accessible for the life of the tank**	Y	
60.116b(c)	**Applicability records:** Additional recordkeeping requirements for certain tanks.	60.116b(c) **identification & TVP of the stored product, if capacity ≥ 20,000 gallons. and TVP ≥ 2.2, OR capacity ≥ 40,000 gallons. and TVP ≥ 0.51** **Keep record as long as the tank is in that service**	Y	
60.116b(e)	**True vapor pressure (TVP) determination for applicability:**	60.116b(e) **maximum TVP of the stored liquid, based on highest calendar month average storage temperature**	Y	
NSPS Subpart A	**New Source Performance Standards** **GENERAL PROVISIONS**		Y	
60.7(a)	**Initial Notification:** Is initial notification of the source's existence required?	60.7(a)(1) **notification within 30 days after begin construction**	Y	
	Report (document) having initially achieved compliance?	60.7(a)(3) 60.115b(a)(1) & (b)(1) **within 15 days after initial fill**	Y	
	Notification of Compliance Status report:	60.7(a)(3) [cf. 60.115b(a)(1)&(b)(1)] **notification within 15 days after startup**	Y	
	Initial Notification: Is initial notification required if tank becomes affected only as a result of a modification?	60.7(a)(4) **notification 60 days or as soon as practicable before the change**	Y	

IV. Source-specific Applicable Requirements

Table IV – CC Cluster 24
Source-specific Applicable Requirements
S316 – Tank A-316

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
60.7(f)	**General recordkeeping requirements:** Time period for keeping records, unless specified otherwise.	60.7(f) **Keep all reports & notifications for 2 years**	Y	
	General recordkeeping requirements: Keep all reports and notification for the specified period of time.	60.7(f) **required**	Y	
60.14(g)	Achieve compliance for: New Tanks (or tanks that become affected as a result of a change or modification)?	60.14(g) **up to 180 days after modifications (otherwise prior to fill)**	Y	
BAAQMD Condition # 12368	**Permit Conditions**			
Part 1	Design specifications (basis: Reg. 8-5, cumulative increase)		Y	
Part 2	Requirement to notify the District regarding tank seals (basis: Reg. 8-5, cumulative increase))		Y	

Table IV – CD Cluster 24
Source-specific Applicable Requirements
S278 – Tank A-278, S698 – Tank A-698

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Reg 8 Rule 5	**Organic Compounds - STORAGE OF ORGANIC LIQUIDS (11/27/02)**		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service, Notification	Y	
8-5-111.1.1	Limited Exemption, Tank Removal From and Return to Service, Notification, 3 day prior notification	Y	
8-5-111.1.2	Limited Exemption, Tank Removal From and Return to Service, Notification, Telephone notification	Y	

IV. Source-specific Applicable Requirements

Table IV – CD Cluster 24
Source-specific Applicable Requirements
S278 – Tank A-278, S698 – Tank A-698

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service, Tank in compliance prior to notification	Y	
8-5-111.3	Limited Exemption, Tank Removal From and Return to Service, Floating roof tanks	Y	
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service, Minimize emissions	Y	
8-5-111.6	Limited Exemption, Tank Removal From and Return to Service, Notice of completion not required	Y	
8-5-111.7	Limited Exemption, Tank Removal From and Return to Service, Satisfy requirements of 8-5-328	Y	
8-5-112	Limited Exemption, Tanks in Operation	Y	
8-5-112.1	Limited Exemption, Tanks in Operation, Notification	Y	
8-5-112.1.1	Limited Exemption, Tanks in Operation, Notification, 3 day prior notification	Y	
8-5-112.1.2	Limited Exemption, Tanks in Operation, Notification, Telephone notification	Y	
8-5-112.2	Limited Exemption, Tanks in Operation, Tank in compliance prior to start of work. Certified per 8-5-404	Y	
8-5-112.3	Limited Exemption, Tanks in Operation, No product movement, Minimize emissions	Y	
8-5-112.4	Limited Exemption, Tanks in Operation, Not to exceed 7 days	Y	
8-5-301	Storage Tank Control Requirements	Y	
8-5-302	Requirements for Submerged Fill Pipes	Y	
8-5-303	Requirements for Pressure Vacuum Valve	Y	
8-5-305	Requirements for Internal Floating Roofs	Y	
8-5-320	Tank Fitting Requirements	Y	
8-5-321	Primary Seal Requirements	Y	
8-5-322	Secondary Seal Requirements	Y	
8-5-328	Tank Degassing Requirements	Y	
8-5-402	Inspection Requirements for Internal Floating Roof	Y	
8-5-403	Inspection Requirements for Pressure Vacuum Valves	Y	
8-5-404	Certification	Y	
8-5-405	Information Required	Y	
8-5-501	Records	Y	
8-5-502	Tank Degassing Annual Source Test Requirement	Y	

IV. Source-specific Applicable Requirements

Table IV – CD Cluster 24
Source-specific Applicable Requirements
S278 – Tank A-278, S698 – Tank A-698

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
8-5-503	Portable Hydrocarbon Detector		Y	
Refinery MACT	**NESHAP for Petroleum Refineries** **REQUIREMENTS FOR TANKS ALSO SUBJECT TO NSPS Kb**		Y	
63.640(n)	Which rule governs for storage vessels subject to both Refinery MACT and NSPS subpart Kb?	63.640(n)(1) **NSPS subpart Kb**	Y	
	Does Refinery MACT provide for EFR secondary seals to be pulled back or temporarily removed during NSPS Kb inspections of the primary seal?	63.640(n)(8)(i) **YES**	Y	
	Does Refinery MACT provide for delay of NSPS Kb seal gap measurements due to unsafe conditions?	63.640(n)(8)(ii) **YES – up to 30 days, or empty the tank within 45 days**	Y	
	Does Refinery MACT provide for extensions of time to perform NSPS Kb inspections of unsafe tanks?	63.640(n)(8)(iii) **YES – up to 2 extensions of 30 days each**	Y	
	Does Refinery MACT provide for extensions of time to repair defects found during NSPS Kb inspections?	63.640(n)(8)(iii) **YES – up to 2 extensions of 30 days each**	Y	
	Does Refinery MACT provide for waiving the NSPS Kb prior-request requirement for extensions of time?	63.640(n)(8)(iii) **YES**	Y	
	Does Refinery MACT provide for submitting NSPS Kb documentation of the need for an extension with the next semi-annual periodic report?	63.640(n)(8)(iv) **YES**	Y	
	Does Refinery MACT provide for submitting reports of NSPS Kb inspection failures on the semi-annual periodic report schedule?	63.640(n)(8)(v) **YES**	Y	
	Does Refinery MACT provide for not reporting the results of NSPS Kb inspections when there was no out-of-compliance (i.e., recordkeeping only)?	63.640(n)(8)(vi) **YES**	Y	

IV. Source-specific Applicable Requirements

Table IV – CD Cluster 24
Source-specific Applicable Requirements
S278 – Tank A-278, S698 – Tank A-698

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
NSPS Subpart Kb	**Volatile Organic Liquid Storage Vessels** **REQUIREMENTS FOR INTERNAL FLOATING ROOF TANKS**		Y	
60.112b(a)(1)	**IFRT operating requirements:** When landing the floating roof on its support legs, is the tank to be emptied & either refilled or degassed AS SOON AS POSSIBLE?	60.112b(a)(1)(i) **YES**	Y	
	Temporary exemption from operating requirements while the internal floating roof is landed on its support legs? *	60.112b(a)(1)(i) **EXEMPT**	Y	
	IFR Rim Seals: vapor-mounted primary seal: liquid-mounted primary seal: mechanical-shoe primary seal:	60.112b(a)(1)(ii) **OK with rim-mounted secondary** **OK alone** **OK alone**	Y	
	Must IFR vapor-mounted rim seals be continuous?	60.112b(a)(1)(ii)(B) **REQUIRED**	Y	
	IFR deck openings other than for vents to project into liquid?	60.112b(a)(1)(iii) **REQUIRED**	Y	
	Deck openings (wells) other than for vents, drains, or legs to have covers that are kept closed except for access?	60.112b(a)(1)(iv) **REQUIRED**	Y	
	IFR access hatch & gauge float well covers to be bolted closed?	60.112b(a)(1)(iv) **REQUIRED**	Y	
	IFR well covers to be gasketed?	60.112b(a)(1)(iv) & (ix) **REQUIRED**	Y	
	IFRT unslotted guidepoles to have a gasketed cap at the top of the pole?	60.112b(a)(1)(iv) **Required per FR notices** 65 FR 2336 (01/14/00) 65 FR 19891(04/13/00)	Y	
	IFRT slotted guidepoles to have a deck cover gasket and pole wiper, and either an internal float or a pole sleeve?	60.112b(a)(1)(iv) **Required per FR notices** 65 FR 2336 (01/14/00) 65 FR 19891(04/13/00)	Y	
	IFR auto. bleeder vent (vacuum breaker) to be closed except when the deck is landed?	60.112b(a)(1)(v) **REQUIRED**	Y	

IV. Source-specific Applicable Requirements

Table IV – CD Cluster 24
Source-specific Applicable Requirements
S278 – Tank A-278, S698 – Tank A-698

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	IFR vents to be gasketed?	60.112b(a)(1)(v) & (vi) **REQUIRED**	Y	
	IFR rim space vents to remain closed except when the pressure setting is exceeded?	60.112b(a)(1)(vi) **REQUIRED**	Y	
	IFR sample penetration to be a sample well with a slit-fabric seal over 90% of the opening?	60.112b(a)(1)(vii) **REQUIRED**	Y	
	IFR guidepole & column wells allowed a flexible-fabric sleeve seal or a gasketed cover?	60.112b(a)(1)(viii) **OK for columns**	Y	
60.113b(a)	**IFR/CFR Internal Inspections:** (up close visual inspection of the floating roof, seals, & fittings):	60.113b(a)(1) & (4) **prior to initial fill, then every 10 years, including each emptying/degassing**	Y	
	Notification of Inspections: Are notifications of inspections to demonstrate initial compliance required, For IFR/CFR internal inspections:	60.113b(a)(1) & (5) **Required-notifications&reports per Ongoing Reports**	Y	
	Shall there be no holes, tears, or openings in the IFR seals?	60.113b(a)(1), (2), &(4) **REQUIRED**	Y	
	Is there to be no liquid on the internal floating roof?	60.113b(a)(2) **REQUIRED**	Y	
	Tank Top Visual Inspections (of IFR/CFR from manways and hatches of the fixed roof):	60.113b(a)(2) **annually after initial fill**	Y	
	IFRT REPAIRS: Time allowed for repair of defects found during in-service inspections:	60.113b(a)(2) **make repairs within 45 days**	Y	
	IFRT REPAIRS: If unable to repair, empty the tank & remove from service?	60.113b(a)(2) **YES, within 45 days**	Y	
	EXTENSIONS OF TIME: If defects cannot be repaired & the IFRT cannot be emptied within 45 days?	60.113b(a)(2) **1 extension of 30 days, if needed ***	Y	
	Periodic Reports: IFR/CFR report to include prior request for 30-day extension, w/ documentation of need?	60.113b(a)(2) **required ***	Y	

IV. Source-specific Applicable Requirements

Table IV – CD Cluster 24
Source-specific Applicable Requirements
S278 – Tank A-278, S698 – Tank A-698

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	Periodic Reports: Additional information to be included if an extension is utilized for an IFR/CFR:	60.113b(a)(2) **document the reason for the extension ***	Y	
	OPTION: Does this rule allow an internal inspection every 5 years to replace both inspections noted above, if the IFR/CFR is equipped with a secondary seal?	60.113b(a)(3) & (4) **YES**	Y	
	IFRT REPAIRS: Repair of defects if the tank is empty?	60.113b(a)(4) **prior to refilling**	Y	
	Notification of Inspections: Is 30-day notice required for internal inspections of IFRTs & CFRTs (i.e., prior to filling or refilling); but a 7-day verbal notice acceptable if the event is unplanned?	60.113b(a)(5) **REQUIRED**	Y	
60.115b	**Recordkeeping for inspections:** Keep inspection reports as specified.	60.115b **Keep required records for 5 years**	Y	
	IFRT report to include:	60.115b(a)(1) **description of control equipment**	Y	
60.115b(a)(2)-(5)	Records of IFR & CFR inspection reports:	60.115b(a)(2) **all IFR inspections**	Y	
	Periodic Reports: Report of IFR/CFR inspections that find out-of-compliance?	60.115b(a)(3) & (4) **Required within 30 days for in-service inspections * (not required for out-of-service inspections)**	Y	
	Periodic Reports: Report of IFR/CFR inspection failures to include:	60.115b(a)(3) & (4) **date of inspec, identification of tank, description of failure, & date of repair or emptying**	Y	
60.116b(a)	**Applicability records:** Time period for keeping records of applicability determination, unless specified otherwise.	60.116b(a) **Keep required records for 5 years except as required by** 60.116b(b)	Y	

IV. Source-specific Applicable Requirements

Table IV – CD Cluster 24
Source-specific Applicable Requirements
S278 – Tank A-278, S698 – Tank A-698

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
60.116b(b)	**Applicability records:** Records of dimensions & capacity required for nonexempt tanks?	60.116b(b) **Required Keep record readily accessible for the life of the tank**	Y	
60.116b(c)	**Applicability records:** Additional recordkeeping requirements for certain tanks.	60.116b(c) **identification & TVP of the stored product, if capacity ≥ 20,000 gallons. and TVP ≥ 2.2, OR capacity ≥ 40,000 gallons. and TVP ≥ 0.51 Keep record as long as the tank is in that service**	Y	
60.116b(e)	**True vapor pressure (TVP) determination for applicability:**	60.116b(e) **maximum TVP of the stored liquid, based on highest calendar month average storage temperature**	Y	
NSPS Subpart A	**New Source Performance Standards GENERAL PROVISIONS**		Y	
60.7(a)	**Initial Notification:** Is initial notification of the source's existence required?	60.7(a)(1) **notification within 30 days after begin construction**	Y	
	Report (document) having initially achieved compliance?	60.7(a)(3) 60.115b(a)(1) & (b)(1) **within 15 days after initial fill**	Y	
	Notification of Compliance Status report:	60.7(a)(3) [cf. 60.115b(a)(1)&(b)(1)] **notification within 15 days after startup**	Y	
	Initial Notification: Is initial notification required if tank becomes affected only as a result of a modification?	60.7(a)(4) **notification 60 days or as soon as practicable before the change**	Y	
60.7(f)	**General recordkeeping requirements:** Time period for keeping records, unless specified otherwise.	60.7(f) **Keep all reports & notifications for 2 years**	Y	
	General recordkeeping requirements: Keep all reports and notification for the specified period of time.	60.7(f) **required**	Y	
60.14(g)	Achieve compliance for: New Tanks (or tanks that become affected as a result of a change or modification)?	60.14(g) **up to 180 days after modifications (otherwise prior to fill)**	Y	

IV. Source-specific Applicable Requirements

Table IV – CD Cluster 24
Source-specific Applicable Requirements
S278 – Tank A-278, S698 – Tank A-698

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Condition # 19528			
Part 1	Throughput limit (basis: Regulation 2-1-234.3, Regulation 2-1-403 Regulation 2-6-503)	Y	

Table IV – CE Cluster 24
Source-specific Applicable Requirements
S601 – Tank A-601

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Reg 8 Rule 5	**Organic Compounds - STORAGE OF ORGANIC LIQUIDS (11/27/02)**		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service, Notification	Y	
8-5-111.1.1	Limited Exemption, Tank Removal From and Return to Service, Notification, 3 day prior notification	Y	
8-5-111.1.2	Limited Exemption, Tank Removal From and Return to Service, Notification, Telephone notification	Y	
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service, Tank in compliance prior to notification	Y	
8-5-111.3	Limited Exemption, Tank Removal From and Return to Service, Floating roof tanks	Y	
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service, Minimize emissions	Y	
8-5-111.6	Limited Exemption, Tank Removal From and Return to Service, Notice of completion not required	Y	
8-5-111.7	Limited Exemption, Tank Removal From and Return to Service, Satisfy requirements of 8-5-328	Y	
8-5-112	Limited Exemption, Tanks in Operation	Y	
8-5-112.1	Limited Exemption, Tanks in Operation, Notification	Y	

IV. Source-specific Applicable Requirements

Table IV – CE Cluster 24
Source-specific Applicable Requirements
S601 – Tank A-601

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
8-5-112.1.1	Limited Exemption, Tanks in Operation, Notification, 3 day prior notification		Y	
8-5-112.1.2	Limited Exemption, Tanks in Operation, Notification, Telephone notification		Y	
8-5-112.2	Limited Exemption, Tanks in Operation, Tank in compliance prior to start of work. Certified per 8-5-404		Y	
8-5-112.3	Limited Exemption, Tanks in Operation, No product movement, Minimize emissions		Y	
8-5-112.4	Limited Exemption, Tanks in Operation, Not to exceed 7 days		Y	
8-5-301	Storage Tank Control Requirements		Y	
8-5-302	Requirements for Submerged Fill Pipes		Y	
8-5-303	Requirements for Pressure Vacuum Valve		Y	
8-5-305	Requirements for Internal Floating Roofs		Y	
8-5-320	Tank Fitting Requirements		Y	
8-5-321	Primary Seal Requirements		Y	
8-5-322	Secondary Seal Requirements		Y	
8-5-328	Tank Degassing Requirements		Y	
8-5-402	Inspection Requirements for Internal Floating Roof		Y	
8-5-403	Inspection Requirements for Pressure Vacuum Valves		Y	
8-5-404	Certification		Y	
8-5-405	Information Required		Y	
8-5-501	Records		Y	
8-5-502	Tank Degassing Annual Source Test Requirement		Y	
8-5-503	Portable Hydrocarbon Detector		Y	
Refinery MACT	**NESHAP for Petroleum Refineries REQUIREMENTS FOR TANKS ALSO SUBJECT TO NSPS Kb**		Y	
63.640(n)	Which rule governs for storage vessels subject to both Refinery MACT and NSPS subpart Kb?	63.640(n)(1) **NSPS subpart Kb**	Y	
	Does Refinery MACT provide for EFR secondary seals to be pulled back or temporarily removed during NSPS Kb inspections of the primary seal?	63.640(n)(8)(i) **YES**	Y	

IV. Source-specific Applicable Requirements

Table IV – CE Cluster 24
Source-specific Applicable Requirements
S601 – Tank A-601

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	Does Refinery MACT provide for delay of NSPS Kb seal gap measurements due to unsafe conditions?	63.640(n)(8)(ii) **YES – up to 30 days, or empty the tank within 45 days**	Y	
	Does Refinery MACT provide for extensions of time to perform NSPS Kb inspections of unsafe tanks?	63.640(n)(8)(iii) **YES – up to 2 extensions of 30 days each**	Y	
	Does Refinery MACT provide for extensions of time to repair defects found during NSPS Kb inspections?	63.640(n)(8)(iii) **YES – up to 2 extensions of 30 days each**	Y	
	Does Refinery MACT provide for waiving the NSPS Kb prior-request requirement for extensions of time?	63.640(n)(8)(iii) **YES**	Y	
	Does Refinery MACT provide for submitting NSPS Kb documentation of the need for an extension with the next semi-annual periodic report?	63.640(n)(8)(iv) **YES**	Y	
	Does Refinery MACT provide for submitting reports of NSPS Kb inspection failures on the semi-annual periodic report schedule?	63.640(n)(8)(v) **YES**	Y	
	Does Refinery MACT provide for not reporting the results of NSPS Kb inspections when there was no out-of-compliance (i.e., recordkeeping only)?	63.640(n)(8)(vi) **YES**	Y	
NSPS Subpart Kb	**Volatile Organic Liquid Storage Vessels REQUIREMENTS FOR INTERNAL FLOATING ROOF TANKS**		Y	
60.112b(a)(1)	**IFRT operating requirements:** When landing the floating roof on its support legs, is the tank to be emptied & either refilled or degassed AS SOON AS POSSIBLE?	60.112b(a)(1)(i) **YES**	Y	
	Temporary exemption from operating requirements while the internal floating roof is landed on its support legs? *	60.112b(a)(1)(i) **EXEMPT**	Y	

IV. Source-specific Applicable Requirements

Table IV – CE Cluster 24
Source-specific Applicable Requirements
S601 – Tank A-601

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	IFR Rim Seals: vapor-mounted primary seal: liquid-mounted primary seal: mechanical-shoe primary seal:	60.112b(a)(1)(ii) **OK with rim-mounted secondary** **OK alone** **OK alone**	Y	
	Must IFR vapor-mounted rim seals be continuous?	60.112b(a)(1)(ii)(B) **REQUIRED**	Y	
	IFR deck openings other than for vents to project into liquid?	60.112b(a)(1)(iii) **REQUIRED**	Y	
	Deck openings (wells) other than for vents, drains, or legs to have covers that are kept closed except for access?	60.112b(a)(1)(iv) **REQUIRED**	Y	
	IFR access hatch & gauge float well covers to be bolted closed?	60.112b(a)(1)(iv) **REQUIRED**	Y	
	IFR well covers to be gasketed?	60.112b(a)(1)(iv) & (ix) **REQUIRED**	Y	
	IFRT unslotted guidepoles to have a gasketed cap at the top of the pole?	60.112b(a)(1)(iv) **Required per FR notices** 65 FR 2336 (01/14/00) 65 FR 19891(04/13/00)	Y	
	IFRT slotted guidepoles to have a deck cover gasket and pole wiper, and either an internal float or a pole sleeve?	60.112b(a)(1)(iv) **Required per FR notices** 65 FR 2336 (01/14/00) 65 FR 19891(04/13/00)	Y	
	IFR auto. bleeder vent (vacuum breaker) to be closed except when the deck is landed?	60.112b(a)(1)(v) **REQUIRED**	Y	
	IFR vents to be gasketed?	60.112b(a)(1)(v) & (vi) **REQUIRED**	Y	
	IFR rim space vents to remain closed except when the pressure setting is exceeded?	60.112b(a)(1)(vi) **REQUIRED**	Y	
	IFR sample penetration to be a sample well with a slit-fabric seal over 90% of the opening?	60.112b(a)(1)(vii) **REQUIRED**	Y	
	IFR guidepole & column wells allowed a flexible-fabric sleeve seal or a gasketed cover?	60.112b(a)(1)(viii) **OK for columns**	Y	

IV. Source-specific Applicable Requirements

Table IV – CE Cluster 24
Source-specific Applicable Requirements
S601 – Tank A-601

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
60.113b(a)	**IFR/CFR Internal Inspections:** (up close visual inspection of the floating roof, seals, & fittings):	60.113b(a)(1) & (4) **prior to initial fill, then every 10 years, including each emptying/degassing**	Y	
	Notification of Inspections: Are notifications of inspections to demonstrate initial compliance required, For IFR/CFR internal inspections:	60.113b(a)(1) & (5) **Required-notifications&reports per Ongoing Reports**	Y	
	Shall there be no holes, tears, or openings in the IFR seals?	60.113b(a)(1), (2), &(4) **REQUIRED**	Y	
	Is there to be no liquid on the internal floating roof?	60.113b(a)(2) **REQUIRED**	Y	
	Tank Top Visual Inspections (of IFR/CFR from manways and hatches of the fixed roof):	60.113b(a)(2) **annually after initial fill**	Y	
	IFRT REPAIRS: Time allowed for repair of defects found during in-service inspections:	60.113b(a)(2) **make repairs within 45 days**	Y	
	IFRT REPAIRS: If unable to repair, empty the tank & remove from service?	60.113b(a)(2) **YES, within 45 days**	Y	
	EXTENSIONS OF TIME: If defects cannot be repaired & the IFRT cannot be emptied within 45 days?	60.113b(a)(2) **1 extension of 30 days, if needed** *	Y	
	Periodic Reports: IFR/CFR report to include prior request for 30-day extension, w/ documentation of need?	60.113b(a)(2) **required** *	Y	
	Periodic Reports: Additional information to be included if an extension is utilized for an IFR/CFR:	60.113b(a)(2) **document the reason for the extension** *	Y	
	OPTION: Does this rule allow an internal inspection every 5 years to replace <u>both</u> inspections noted above, if the IFR/CFR is equipped with a secondary seal?	60.113b(a)(3) & (4) **YES**	Y	

IV. Source-specific Applicable Requirements

Table IV – CE Cluster 24
Source-specific Applicable Requirements
S601 – Tank A-601

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	IFRT REPAIRS: Repair of defects if the tank is empty?	60.113b(a)(4) **prior to refilling**	Y	
	Notification of Inspections: Is 30-day notice required for internal inspections of IFRTs & CFRTs (i.e., prior to filling or refilling); but a 7-day verbal notice acceptable if the event is unplanned?	60.113b(a)(5) **REQUIRED**	Y	
60.115b	**Recordkeeping for inspections:** Keep inspection reports as specified.	60.115b **Keep required records for 5 years**	Y	
	IFRT report to include:	60.115b(a)(1) **description of control equipment**	Y	
60.115b(a)(2)-(5)	Records of IFR & CFR inspection reports:	60.115b(a)(2) **all IFR inspections**	Y	
	Periodic Reports: Report of IFR/CFR inspections that find out-of-compliance?	60.115b(a)(3) & (4) **Required within 30 days for in-service inspections *** **(not required for out-of-service inspections)**	Y	
	Periodic Reports: Report of IFR/CFR inspection failures to include:	60.115b(a)(3) & (4) **date of inspec, identification of tank, description of failure, & date of repair or emptying**	Y	
60.116b(a)	**Applicability records:** Time period for keeping records of applicability determination, unless specified otherwise.	60.116b(a) **Keep required records for 5 years except as required by** 60.116b(b)	Y	
60.116b(b)	**Applicability records:** Records of dimensions & capacity required for nonexempt tanks?	60.116b(b) **Required** **Keep record readily accessible for the life of the tank**	Y	
60.116b(c)	**Applicability records:** Additional recordkeeping requirements for certain tanks.	60.116b(c) **identification & TVP of the stored product, if capacity ≥ 20,000 gallons. and TVP ≥ 2.2, OR capacity ≥ 40,000 gallons. and TVP ≥ 0.51** **Keep record as long as the tank is in that service**	Y	

IV. Source-specific Applicable Requirements

Table IV – CE Cluster 24
Source-specific Applicable Requirements
S601 – Tank A-601

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
60.116b(e)	**True vapor pressure (TVP) determination for applicability:**	60.116b(e) **maximum TVP of the stored liquid, based on highest calendar month average storage temperature**	Y	
NSPS Subpart A	**New Source Performance Standards GENERAL PROVISIONS**		Y	
60.7(a)	**Initial Notification:** Is initial notification of the source's existence required?	60.7(a)(1) **notification within 30 days after begin construction**	Y	
	Report (document) having initially achieved compliance?	60.7(a)(3) 60.115b(a)(1) & (b)(1) **within 15 days after initial fill**	Y	
	Notification of Compliance Status report:	60.7(a)(3) [cf. 60.115b(a)(1)&(b)(1)] **notification within 15 days after startup**	Y	
	Initial Notification: Is initial notification required if tank becomes affected only as a result of a modification?	60.7(a)(4) **notification 60 days or as soon as practicable before the change**	Y	
60.7(f)	**General recordkeeping requirements:** Time period for keeping records, unless specified otherwise.	60.7(f) **Keep all reports & notifications for 2 years**	Y	
	General recordkeeping requirements: Keep all reports and notification for the specified period of time.	60.7(f) **required**	Y	
60.14(g)	Achieve compliance for: New Tanks (or tanks that become affected as a result of a change or modification)?	60.14(g) **up to 180 days after modifications (otherwise prior to fill)**	Y	
NESHAPS Title 40 Part 61 Subpart FF	**NESHAPS, Benzene Waste Operations (01/07/1993)**			
40 CFR 61.340(a)	Applicability: Chemical Manufacturing, Coke by-product recovery, petroleum refineries		Y	
40 CFR 61.350	Delay of repair		Y	
40 CFR 61.350(a)	Delay of Repair: Allowed if technically impossible without complete or partial facility or unit shutdown.		Y	

IV. Source-specific Applicable Requirements

Table IV – CE Cluster 24
Source-specific Applicable Requirements
S601 – Tank A-601

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
40 CFR 61.350(b)	Delay of Repair: Repair shall occur before the end of the next facility or unit shutdown	Y	
40 CFR 61.351	Alternative standards for tanks	Y	
40 CFR 61.351(a)	As an alternative to 61.343, an owner or operator may elect to comply with one of the following:	Y	
40 CFR 61.351(a)(1)	Fixed roof and internal floating roof meeting 40 CFR 60.112b(a)(1)	Y	
40 CFR 61.351(a)(2)	An external floating roof meeting 40 CFR 60.112b(a)(2)	Y	
40 CFR 61.356	Recordkeeping Requirements	Y	
40 CFR 61.356(a)	Recordkeeping and retention requirements	Y	
40 CFR 61.356(b)	Waste stream records	Y	
40 CFR 61.356(b)(1)	Uncontrolled Waste Stream Records	Y	
40 CFR 61.356(b)(4)	Treat to 6 Waste Stream Records	Y	
40 CFR 61.356(c)	Offsite Waste Transfer Records	Y	
40 CFR 61.357(d)	Reporting Requirements: Facilities with 10 Mg/yr or more total benzene in waste	Y	
BAAQMD Condition # 7144	Permit Conditions		
Part 1	Design specifications (basis: Reg. 8-5, cumulative increase)	Y	
Part 2	Requirement to notify the District regarding tank seals (basis: Reg. 8-5, cumulative increase))	Y	
BAAQMD Condition # 19528			
Part 1	Throughput limit (basis: Regulation 2-1-234.3, Regulation 2-1-403 Regulation 2-6-503)	Y	

IV. Source-specific Applicable Requirements

Table IV – CEa Cluster 24
Source-specific Applicable Requirements
S1485 Tank A-870

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Reg 8 Rule 5	**Organic Compounds - STORAGE OF ORGANIC LIQUIDS (11/27/02)**		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service, Notification	Y	
8-5-111.1.1	Limited Exemption, Tank Removal From and Return to Service, Notification, 3 day prior notification	Y	
8-5-111.1.2	Limited Exemption, Tank Removal From and Return to Service, Notification, Telephone notification	Y	
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service, Tank in compliance prior to notification	Y	
8-5-111.3	Limited Exemption, Tank Removal From and Return to Service, Floating roof tanks	Y	
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service, Minimize emissions	Y	
8-5-111.6	Limited Exemption, Tank Removal From and Return to Service, Notice of completion not required	Y	
8-5-111.7	Limited Exemption, Tank Removal From and Return to Service, Satisfy requirements of 8-5-328	Y	
8-5-112	Limited Exemption, Tanks in Operation	Y	
8-5-112.1	Limited Exemption, Tanks in Operation, Notification	Y	
8-5-112.1.1	Limited Exemption, Tanks in Operation, Notification, 3 day prior notification	Y	
8-5-112.1.2	Limited Exemption, Tanks in Operation, Notification, Telephone notification	Y	
8-5-112.2	Limited Exemption, Tanks in Operation, Tank in compliance prior to start of work. Certified per 8-5-404	Y	
8-5-112.3	Limited Exemption, Tanks in Operation, No product movement, Minimize emissions	Y	
8-5-112.4	Limited Exemption, Tanks in Operation, Not to exceed 7 days	Y	
8-5-301	Storage Tank Control Requirements	Y	
8-5-302	Requirements for Submerged Fill Pipes	Y	
8-5-303	Requirements for Pressure Vacuum Valve	Y	
8-5-305	Requirements for Internal Floating Roofs	Y	
8-5-320	Tank Fitting Requirements	Y	

IV. Source-specific Applicable Requirements

Table IV – CEa Cluster 24
Source-specific Applicable Requirements
S1485 Tank A-870

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
8-5-321	Primary Seal Requirements		Y	
8-5-322	Secondary Seal Requirements		Y	
8-5-328	Tank Degassing Requirements		Y	
8-5-402	Inspection Requirements for Internal Floating Roof		Y	
8-5-403	Inspection Requirements for Pressure Vacuum Valves		Y	
8-5-404	Certification		Y	
8-5-405	Information Required		Y	
8-5-501	Records		Y	
8-5-502	Tank Degassing Annual Source Test Requirement		Y	
8-5-503	Portable Hydrocarbon Detector		Y	
Refinery MACT	**NESHAP for Petroleum Refineries REQUIREMENTS FOR TANKS ALSO SUBJECT TO NSPS Kb**		Y	
63.640(n)	Which rule governs for storage vessels subject to both Refinery MACT and NSPS subpart Kb?	63.640(n)(1) **NSPS subpart Kb**	Y	
	Does Refinery MACT provide for EFR secondary seals to be pulled back or temporarily removed during NSPS Kb inspections of the primary seal?	63.640(n)(8)(i) **YES**	Y	
	Does Refinery MACT provide for delay of NSPS Kb seal gap measurements due to unsafe conditions?	63.640(n)(8)(ii) **YES – up to 30 days, or empty the tank within 45 days**	Y	
	Does Refinery MACT provide for extensions of time to perform NSPS Kb inspections of unsafe tanks?	63.640(n)(8)(iii) **YES – up to 2 extensions of 30 days each**	Y	
	Does Refinery MACT provide for extensions of time to repair defects found during NSPS Kb inspections?	63.640(n)(8)(iii) **YES – up to 2 extensions of 30 days each**	Y	
	Does Refinery MACT provide for waiving the NSPS Kb prior-request requirement for extensions of time?	63.640(n)(8)(iii) **YES**	Y	

IV. Source-specific Applicable Requirements

Table IV – CEa Cluster 24
Source-specific Applicable Requirements
S1485 Tank A-870

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	Does Refinery MACT provide for submitting NSPS Kb documentation of the need for an extension with the next semi-annual periodic report?	63.640(n)(8)(iv) **YES**	Y	
	Does Refinery MACT provide for submitting reports of NSPS Kb inspection failures on the semi-annual periodic report schedule?	63.640(n)(8)(v) **YES**	Y	
	Does Refinery MACT provide for not reporting the results of NSPS Kb inspections when there was no out-of-compliance (i.e., recordkeeping only)?	63.640(n)(8)(vi) **YES**	Y	
NSPS Subpart Kb	**Volatile Organic Liquid Storage Vessels** **REQUIREMENTS FOR INTERNAL FLOATING ROOF TANKS**		Y	
60.112b(a)(1)	**IFRT operating requirements:** When landing the floating roof on its support legs, is the tank to be emptied & either refilled or degassed AS SOON AS POSSIBLE?	60.112b(a)(1)(i) **YES**	Y	
	Temporary exemption from operating requirements while the internal floating roof is landed on its support legs? *	60.112b(a)(1)(i) **EXEMPT**	Y	
	IFR Rim Seals: vapor-mounted primary seal: liquid-mounted primary seal: mechanical-shoe primary seal:	60.112b(a)(1)(ii) **OK with rim-mounted secondary** **OK alone** **OK alone**	Y	
	Must IFR vapor-mounted rim seals be continuous?	60.112b(a)(1)(ii)(B) **REQUIRED**	Y	
	IFR deck openings other than for vents to project into liquid?	60.112b(a)(1)(iii) **REQUIRED**	Y	
	Deck openings (wells) other than for vents, drains, or legs to have covers that are kept closed except for access?	60.112b(a)(1)(iv) **REQUIRED**	Y	
	IFR access hatch & gauge float well covers to be bolted closed?	60.112b(a)(1)(iv) **REQUIRED**	Y	

IV. Source-specific Applicable Requirements

Table IV – CEa Cluster 24
Source-specific Applicable Requirements
S1485 Tank A-870

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	IFR well covers to be gasketed?	60.112b(a)(1)(iv) & (ix) **REQUIRED**	Y	
	IFRT unslotted guidepoles to have a gasketed cap at the top of the pole?	60.112b(a)(1)(iv) **Required per FR notices** 65 FR 2336 (01/14/00) 65 FR 19891(04/13/00)	Y	
	IFRT slotted guidepoles to have a deck cover gasket and pole wiper, and either an internal float or a pole sleeve?	60.112b(a)(1)(iv) **Required per FR notices** 65 FR 2336 (01/14/00) 65 FR 19891(04/13/00)	Y	
	IFR auto. bleeder vent (vacuum breaker) to be closed except when the deck is landed?	60.112b(a)(1)(v) **REQUIRED**	Y	
	IFR vents to be gasketed?	60.112b(a)(1)(v) & (vi) **REQUIRED**	Y	
	IFR rim space vents to remain closed except when the pressure setting is exceeded?	60.112b(a)(1)(vi) **REQUIRED**	Y	
	IFR sample penetration to be a sample well with a slit-fabric seal over 90% of the opening?	60.112b(a)(1)(vii) **REQUIRED**	Y	
	IFR guidepole & column wells allowed a flexible-fabric sleeve seal or a gasketed cover?	60.112b(a)(1)(viii) **OK for columns**	Y	
60.113b(a)	**IFR/CFR Internal Inspections:** (up close visual inspection of the floating roof, seals, & fittings):	60.113b(a)(1) & (4) **prior to initial fill, then every 10 years, including each emptying/degassing**	Y	
	Notification of Inspections: Are notifications of inspections to demonstrate initial compliance required, For IFR/CFR internal inspections:	60.113b(a)(1) & (5) **Required-notifications&reports per Ongoing Reports**	Y	
	Shall there be no holes, tears, or openings in the IFR seals?	60.113b(a)(1), (2), &(4) **REQUIRED**	Y	
	Is there to be no liquid on the internal floating roof?	60.113b(a)(2) **REQUIRED**	Y	
	Tank Top Visual Inspections (of IFR/CFR from manways and hatches of the fixed roof):	60.113b(a)(2) **annually after initial fill**	Y	

IV. Source-specific Applicable Requirements

Table IV – CEa Cluster 24
Source-specific Applicable Requirements
S1485 Tank A-870

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	IFRT REPAIRS: Time allowed for repair of defects found during in-service inspections:	60.113b(a)(2) **make repairs within 45 days**	Y	
	IFRT REPAIRS: If unable to repair, empty the tank & remove from service?	60.113b(a)(2) **YES, within 45 days**	Y	
	EXTENSIONS OF TIME: If defects cannot be repaired & the IFRT cannot be emptied within 45 days?	60.113b(a)(2) **1 extension of 30 days, if needed** *	Y	
	Periodic Reports: IFR/CFR report to include prior request for 30-day extension, w/ documentation of need?	60.113b(a)(2) **required** *	Y	
	Periodic Reports: Additional information to be included if an extension is utilized for an IFR/CFR:	60.113b(a)(2) **document the reason for the extension** *	Y	
	OPTION: Does this rule allow an internal inspection every 5 years to replace <u>both</u> inspections noted above, if the IFR/CFR is equipped with a secondary seal?	60.113b(a)(3) & (4) **YES**	Y	
	IFRT REPAIRS: Repair of defects if the tank is empty?	60.113b(a)(4) **prior to refilling**	Y	
	Notification of Inspections: Is 30-day notice required for internal inspections of IFRTs & CFRTs (i.e., prior to filling or refilling); but a 7-day verbal notice acceptable if the event is unplanned?	60.113b(a)(5) **REQUIRED**	Y	
60.115b	**Recordkeeping for inspections:** Keep inspection reports as specified.	60.115b **Keep required records for 5 years**	Y	
	IFRT report to include:	60.115b(a)(1) **description of control equipment**	Y	
60.115b(a)(2)-(5)	Records of IFR & CFR inspection reports:	60.115b(a)(2) **all IFR inspections**	Y	

IV. Source-specific Applicable Requirements

Table IV – CEa Cluster 24
Source-specific Applicable Requirements
S1485 Tank A-870

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	Periodic Reports: Report of IFR/CFR inspections that find out-of-compliance?	60.115b(a)(3) & (4) **Required within 30 days for in-service inspections *** **(not required for out-of-service inspections)**	Y	
	Periodic Reports: Report of IFR/CFR inspection failures to include:	60.115b(a)(3) & (4) **date of inspec, identification of tank, description of failure, & date of repair or emptying**	Y	
60.116b(a)	**Applicability records:** Time period for keeping records of applicability determination, unless specified otherwise.	60.116b(a) **Keep required records for 5 years except as required by** 60.116b(b)	Y	
60.116b(b)	**Applicability records:** Records of dimensions & capacity required for nonexempt tanks?	60.116b(b) **Required** **Keep record readily accessible for the life of the tank**	Y	
60.116b(c)	**Applicability records:** Additional recordkeeping requirements for certain tanks.	60.116b(c) **identification & TVP of the stored product, if capacity ≥ 20,000 gallons. and TVP ≥ 2.2, OR capacity ≥ 40,000 gallons. and TVP ≥ 0.51** **Keep record as long as the tank is in that service**	Y	
60.116b(e)	**True vapor pressure (TVP) determination for applicability:**	60.116b(e) **maximum TVP of the stored liquid, based on highest calendar month average storage temperature**	Y	
NSPS Subpart A	**New Source Performance Standards** **GENERAL PROVISIONS**		Y	
60.7(a)	**Initial Notification:** Is initial notification of the source's existence required?	60.7(a)(1) **notification within 30 days after begin construction**	Y	
	Report (document) having initially achieved compliance?	60.7(a)(3) 60.115b(a)(1) & (b)(1) **within 15 days after initial fill**	Y	
	Notification of Compliance Status report:	60.7(a)(3) [cf. 60.115b(a)(1)&(b)(1)] **notification within 15 days after startup**	Y	

IV. Source-specific Applicable Requirements

Table IV – CEa Cluster 24
Source-specific Applicable Requirements
S1485 Tank A-870

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	Initial Notification: Is initial notification required if tank becomes affected only as a result of a modification?	60.7(a)(4) **notification 60 days or as soon as practicable before the change**	Y	
60.7(f)	**General recordkeeping requirements:** Time period for keeping records, unless specified otherwise.	60.7(f) **Keep all reports & notifications for 2 years**	Y	
	General recordkeeping requirements: Keep all reports and notification for the specified period of time.	60.7(f) **required**	Y	
60.14(g)	Achieve compliance for: New Tanks (or tanks that become affected as a result of a change or modification)?	60.14(g) **up to 180 days after modifications (otherwise prior to fill)**	Y	
BAAQMD Condition # 20520	**Permit Conditions**			
Part 1	Througput limit (basis: cumulative increase)		Y	
Part 2	Vapor pressure limits (basis: cumulative increase, toxics, offsets)		Y	
Part 3	Design requirements (basis: BACT, Reg 8-5, cumulative increase, toxics, NSPS, Reg 10 Subpart Kb, offsets)		Y	
Part 4	Startup condition: report fugitive count (basis: cumulative increase, toxics, offsets)		Y	
Part 5	Material to be stored (basis: cumulative increase, toxics, offsets)		Y	
Part 6	Recordkeeping and reporting		Y	

IV. Source-specific Applicable Requirements

Table IV – CF Cluster 25
Source-specific Applicable Requirements
S134 – Tank A-134

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Reg 8 Rule 5	**Organic Compounds - STORAGE OF ORGANIC LIQUIDS (11/27/02)**		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service, Notification	Y	
8-5-111.1.1	Limited Exemption, Tank Removal From and Return to Service, Notification, 3 day prior notification	Y	
8-5-111.1.2	Limited Exemption, Tank Removal From and Return to Service, Notification, Telephone notification	Y	
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service, Tank in compliance prior to notification	Y	
8-5-111.4	Limited Exemption, Tank Removal From and Return to Service; Use of vapor recovery	Y	
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service, Minimize emissions	Y	
8-5-111.6	Limited Exemption, Tank Removal From and Return to Service, Notice of completion not required	Y	
8-5-111.7	Limited Exemption, Tank Removal From and Return to Service, Satisfy requirements of 8-5-328	Y	
8-5-112	Limited Exemption, Tanks in Operation	Y	
8-5-112.1	Limited Exemption, Tanks in Operation, Notification	Y	
8-5-112.1.1	Limited Exemption, Tanks in Operation, Notification, 3 day prior notification	Y	
8-5-112.1.2	Limited Exemption, Tanks in Operation, Notification, Telephone notification	Y	
8-5-112.2	Limited Exemption, Tanks in Operation, Tank in compliance prior to start of work. Certified per 8-5-404	Y	
8-5-112.3	Limited Exemption, Tanks in Operation, No product movement, Minimize emissions	Y	
8-5-112.4	Limited Exemption, Tanks in Operation, Not to exceed 7 days	Y	
8-5-301	Storage Tank Control Requirements	Y	
8-5-302	Requirements for Submerged Fill Pipes	Y	
8-5-306	Requirements for Approved Emission Control Systems	Y	
8-5-328	Tank Degassing Requirements	Y	

IV. Source-specific Applicable Requirements

Table IV – CF Cluster 25
Source-specific Applicable Requirements
S134 – Tank A-134

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
8-5-403	Inspection Requirements for Pressure Vacuum Valves		Y	
8-5-404	Certification		Y	
8-5-405	Information Required		Y	
8-5-501	Records		Y	
8-5-502	Tnk Degassing Annual Source Test Requirement		Y	
8-5-503	Portable Hydrocarbon Detector		Y	
Refinery MACT	**NESHAP for Petroleum Refineries** **REQUIREMENTS FOR TANKS ALSO SUBJECT TO NSPS Kb**		Y	
63.640(n)	Which rule governs for storage vessels subject to both Refinery MACT and NSPS subpart Kb?	63.640(n)(1) **NSPS subpart Kb**	Y	
	Does Refinery MACT provide for EFR secondary seals to be pulled back or temporarily removed during NSPS Kb inspections of the primary seal?	63.640(n)(8)(i) **YES**	Y	
	Does Refinery MACT provide for delay of NSPS Kb seal gap measurements due to unsafe conditions?	63.640(n)(8)(ii) **YES – up to 30 days, or empty the tank within 45 days**	Y	
	Does Refinery MACT provide for extensions of time to perform NSPS Kb inspections of unsafe tanks?	63.640(n)(8)(iii) **YES – up to 2 extensions of 30 days each**	Y	
	Does Refinery MACT provide for extensions of time to repair defects found during NSPS Kb inspections?	63.640(n)(8)(iii) **YES – up to 2 extensions of 30 days each**	Y	
	Does Refinery MACT provide for waiving the NSPS Kb prior-request requirement for extensions of time?	63.640(n)(8)(iii) **YES**	Y	
	Does Refinery MACT provide for submitting NSPS Kb documentation of the need for an extension with the next semi-annual periodic report?	63.640(n)(8)(iv) **YES**	Y	
	Does Refinery MACT provide for submitting reports of NSPS Kb inspection failures on the semi-annual periodic report schedule?	63.640(n)(8)(v) **YES**	Y	

IV. Source-specific Applicable Requirements

Table IV – CF Cluster 25
Source-specific Applicable Requirements
S134 – Tank A-134

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	Does Refinery MACT provide for not reporting the results of NSPS Kb inspections when there was no out-of-compliance (i.e., recordkeeping only)?	63.640(n)(8)(vi) **YES**	Y	
NSPS Subpart Kb	**Volatile Organic Liquid Storage Vessels** **REQUIREMENTS FOR FIXED ROOF TANK-CONTROL DEVICE**		Y	
60.112b(a)	**Closed vent system** Performance requirements:	60.112b(a)(3)(i) **no detectable emissions (i.e., < 500 ppm)**	Y	
	Control device Performance requirements:	60.112b(a)(3)(ii) **at least 95% efficient, or a flare per 60.18**	Y	
60.113b(c)(2)	**Control device (other than flare)** Operating requirements:	60.113b(c)(2) **operate and monitor per the plan**	Y	
60.115b	**Recordkeeping for inspections:** Keep inspection reports as specified.	60.115b **Keep required records for 5 years**	Y	
60.115b(c)	**Recordkeeping for tanks routed to a control device other than a flare:**	60.115b(c) **operating plan & records of parametric monitoring data**	Y	
60.115b(d)	**Other (initial) Reports:** For a flare?	60.115b(d)(1) **submit results of compliance demonstration within 6 months of start-up**	Y	
	Recordkeeping for tanks routed to a flare:	60.115b(d)(2) **periods of operation in which the pilot flame is absent**	Y	
	Periodic Reports: Tanks routed to a flare:	60.115b(d)(3) **semiannual reports of all periods in which the pilot flame was absent**	Y	
60.116b(a)	**Applicability records:** Time period for keeping records of applicability determination, unless specified otherwise.	60.116b(a) **Keep required records for 5 years**	Y	
60.116b(b)	**Applicability records:** Records of dimensions & capacity required for nonexempt tanks?	60.116b(b) **Required** **Keep record readily accessible for the life of the tank**	Y	

IV. Source-specific Applicable Requirements

Table IV – CF Cluster 25
Source-specific Applicable Requirements
S134 – Tank A-134

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
60.116b(c)	**Applicability records:** Additional recordkeeping requirements for certain tanks.	60.116b(c) **identification & TVP of the stored product, if capacity ≥ 20,000 gallons. and TVP ≥ 2.2, OR capacity ≥ 40,000 gallons. and TVP ≥ 0.51 Keep record as long as the tank is in that service**	Y	
60.116b(e)	**True vapor pressure (TVP) determination for applicability:**	60.116b(e) **maximum TVP of the stored liquid, based on highest calendar month average storage temperature**	Y	
60.116b(g)	**Applicability determination:** Miscellaneous recordkeeping exemptions:	60.116b(g) **keeping record of TVP is not required if tank is routed to a compliant control device**	Y	
NSPS Subpart A	**New Source Performance Standards GENERAL PROVISIONS**		Y	
60.7(a)	**Initial Notification:** Is initial notification of the source's existence required?	60.7(a)(1) **notification within 30 days after begin construction**	Y	
	Report (document) having initially achieved compliance?	60.7(a)(3) 60.115b(a)(1) & (b)(1) **within 15 days after initial fill**	Y	
	Notification of Compliance Status report:	60.7(a)(3) [cf. 60.115b(a)(1)&(b)(1)] **notification within 15 days after startup**	Y	
	Initial Notification: Is initial notification required if tank becomes affected only as a result of a modification?	60.7(a)(4) **notification 60 days or as soon as practicable before the change**	Y	
60.7(f)	**General recordkeeping requirements:** Time period for keeping records, unless specified otherwise.	60.7(f) **Keep all reports & notifications for 2 years**	Y	
	General recordkeeping requirements: Keep all reports and notification for the specified period of time.	60.7(f) **required**	Y	
60.14(g)	Achieve compliance for: New Tanks (or tanks that become affected as a result of a change or modification)?	60.14(g) **up to 180 days after modifications (otherwise prior to fill)**	Y	

IV. Source-specific Applicable Requirements

Table IV – CF Cluster 25
Source-specific Applicable Requirements
S134 – Tank A-134

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Condition # 20923	**Permit Conditions**		
Part 1	Throughput limit (basis: cumulative increase)	Y	
Part 2	Materials allowed for storage (basis: cumulative increase)	Y	
Part 3	Requirement for abatement (basis: cumulative increase)	Y	
Part 4	Record keeping (basis: cumulative increase)	Y	
BAAQMD Condition # 19528			
Part 1	Throughput limit (basis: Regulation 2-1-234.3, Regulation 2-1-403 Regulation 2-6-503)	Y	

Table IV – CG Cluster 25
Source-specific Applicable Requirements
S318 – Tank A-318, S367 – Tank A-367, S1496 Tank A-876

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Reg 8 Rule 5	**Organic Compounds - STORAGE OF ORGANIC LIQUIDS (11/27/02)**		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service, Notification	Y	
8-5-111.1.1	Limited Exemption, Tank Removal From and Return to Service, Notification, 3 day prior notification	Y	
8-5-111.1.2	Limited Exemption, Tank Removal From and Return to Service, Notification, Telephone notification	Y	
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service, Tank in compliance prior to notification	Y	
8-5-111.4	Exemption, Tank Removal From and Return to Service; Use of vapor recovery	Y	

IV. Source-specific Applicable Requirements

Table IV – CG Cluster 25
Source-specific Applicable Requirements
S318 – Tank A-318, S367 – Tank A-367, S1496 Tank A-876

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service, Minimize emissions		Y	
8-5-111.6	Limited Exemption, Tank Removal From and Return to Service, Notice of completion not required		Y	
8-5-111.7	Limited Exemption, Tank Removal From and Return to Service, Satisfy requirements of 8-5-328		Y	
8-5-112	Limited Exemption, Tanks in Operation		Y	
8-5-112.1	Limited Exemption, Tanks in Operation, Notification		Y	
8-5-112.1.1	Limited Exemption, Tanks in Operation, Notification, 3 day prior notification		Y	
8-5-112.1.2	Limited Exemption, Tanks in Operation, Notification, Telephone notification		Y	
8-5-112.2	Limited Exemption, Tanks in Operation, Tank in compliance prior to start of work. Certified per 8-5-404		Y	
8-5-112.3	Limited Exemption, Tanks in Operation, No product movement, Minimize emissions		Y	
8-5-112.4	Limited Exemption, Tanks in Operation, Not to exceed 7 days		Y	
8-5-301	Storage Tank Control Requirements		Y	
8-5-302	Requirements for Submerged Fill Pipes		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	
8-5-403	Inspection Requirements for Pressure Vacuum Valves		Y	
8-5-404	Certification		Y	
8-5-405	Information Required		Y	
8-5-501	Records		Y	
8-5-502	Tnk Degassing Annual Source Test Requirement		Y	
8-5-503	Portable Hydrocarbon Detector		Y	
Refinery MACT	**NESHAP for Petroleum Refineries REQUIREMENTS FOR TANKS ALSO SUBJECT TO NSPS Kb**		Y	
63.640(n)	Which rule governs for storage vessels subject to both Refinery MACT and NSPS subpart Kb?	63.640(n)(1) **NSPS subpart Kb**	Y	

IV. Source-specific Applicable Requirements

Table IV – CG Cluster 25
Source-specific Applicable Requirements
S318 – Tank A-318, S367 – Tank A-367, S1496 Tank A-876

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	Does Refinery MACT provide for EFR secondary seals to be pulled back or temporarily removed during NSPS Kb inspections of the primary seal?	63.640(n)(8)(i) **YES**	Y	
	Does Refinery MACT provide for delay of NSPS Kb seal gap measurements due to unsafe conditions?	63.640(n)(8)(ii) **YES – up to 30 days, or empty the tank within 45 days**	Y	
	Does Refinery MACT provide for extensions of time to perform NSPS Kb inspections of unsafe tanks?	63.640(n)(8)(iii) **YES – up to 2 extensions of 30 days each**	Y	
	Does Refinery MACT provide for extensions of time to repair defects found during NSPS Kb inspections?	63.640(n)(8)(iii) **YES – up to 2 extensions of 30 days each**	Y	
	Does Refinery MACT provide for waiving the NSPS Kb prior-request requirement for extensions of time?	63.640(n)(8)(iii) **YES**	Y	
	Does Refinery MACT provide for submitting NSPS Kb documentation of the need for an extension with the next semi-annual periodic report?	63.640(n)(8)(iv) **YES**	Y	
	Does Refinery MACT provide for submitting reports of NSPS Kb inspection failures on the semi-annual periodic report schedule?	63.640(n)(8)(v) **YES**	Y	
	Does Refinery MACT provide for not reporting the results of NSPS Kb inspections when there was no out-of-compliance (i.e., recordkeeping only)?	63.640(n)(8)(vi) **YES**	Y	
NSPS Subpart Kb	**Volatile Organic Liquid Storage Vessels** **REQUIREMENTS FOR FIXED ROOF TANK-CONTROL DEVICE**		Y	
60.112b(a)(3)	**Closed vent system** Performance requirements:	60.112b(a)(3)(i) **no detectable emissions (i.e., < 500 ppm)**	Y	
	Control device Performance requirements:	60.112b(a)(3)(ii) **at least 95% efficient, or a flare per 60.18**	Y	

IV. Source-specific Applicable Requirements

Table IV – CG Cluster 25
Source-specific Applicable Requirements
S318 – Tank A-318, S367 – Tank A-367, S1496 Tank A-876

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
60.113b(c)(2)	**Control device (other than flare)** Operating requirements:	60.113b(c)(2) **operate and monitor per the plan**	Y	
60.115b	**Recordkeeping for inspections:** Keep inspection reports as specified.	60.115b **Keep required records for 5 years**	Y	
60.115b(c)	**Recordkeeping for tanks routed to a control device other than a flare:**	60.115b(c) **operating plan & records of parametric monitoring data**	Y	
60.116b(a)	**Applicability records:** Time period for keeping records of applicability determination, unless specified otherwise.	60.116b(a) **Keep required records for 5 years**	Y	
60.116b(b)	**Applicability records:** Records of dimensions & capacity required for nonexempt tanks?	60.116b(b) **Required** **Keep record readily accessible for the life of the tank**	Y	
60.116b(c)	**Applicability records:** Additional recordkeeping requirements for certain tanks.	60.116b(c) **identification & TVP of the stored product, if capacity ≥ 20,000 gallons. and TVP ≥ 2.2, OR capacity ≥ 40,000 gallons. and TVP ≥ 0.51** **Keep record as long as the tank is in that service**	Y	
60.116b(e)	**True vapor pressure (TVP) determination for applicability:**	60.116b(e) **maximum TVP of the stored liquid, based on highest calendar month average storage temperature**	Y	
60.116b(g)	**Applicability determination:** Miscellaneous recordkeeping exemptions:	60.116b(g) **keeping record of TVP is not required if tank is routed to a compliant control device**	Y	
NSPS Subpart A	**New Source Performance Standards** **GENERAL PROVISIONS**		Y	
60.7(a)	**Initial Notification:** Is initial notification of the source's existence required?	60.7(a)(1) **notification within 30 days after begin construction**	Y	
	Report (document) having initially achieved compliance?	60.7(a)(3) 60.115b(a)(1) & (b)(1) **within 15 days after initial fill**	Y	

IV. Source-specific Applicable Requirements

Table IV – CG Cluster 25
Source-specific Applicable Requirements
S318 – Tank A-318, S367 – Tank A-367, S1496 Tank A-876

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	Notification of Compliance Status report:	60.7(a)(3) [cf. 60.115b(a)(1)&(b)(1)] **notification within 15 days after startup**	Y	
	Initial Notification: Is initial notification required if tank becomes affected only as a result of a modification?	60.7(a)(4) **notification 60 days or as soon as practicable before the change**	Y	
60.7(f)	**General recordkeeping requirements:** Time period for keeping records, unless specified otherwise.	60.7(f) **Keep all reports & notifications for 2 years**	Y	
	General recordkeeping requirements: Keep all reports and notification for the specified period of time.	60.7(f) **required**	Y	
60.14(g)	Achieve compliance for: New Tanks (or tanks that become affected as a result of a change or modification)?	60.14(g) **up to 180 days after modifications (otherwise prior to fill)**	Y	
BAAQMD Condition # 19528				
Part 1	Throughput limit (basis: Regulation 2-1-234.3, Regulation 2-1-403 Regulation 2-6-503)		Y	
BAAQMD Condition # 19528				
Part 6	Monitoring requirements for control device (basis: 60.113b(c)(2)		Y	
BAAQMD Condition # 21100	S1496 Tank A-876 only			
Part 1	Throughput limit (basis: cumulative increase, toxic risk screen, offsets)		Y	
Part 2	99.5% abatement by vapor recovery shall be used (basis: cumulative increase, toxic risk screen, offsets, Reg 8-5, NSPS, reg 10 Subpart Kb)		Y	
Part 3	Materials stored (basis: cumulatiave increase, toxic risk screen, offsets)		Y	
Part 4	Source test requirements (basis: cumulative increase, toxic reisk screen, offsets, Reg 1-238)		Y	
Part 5	Recordkeeping and reporting (basis: cumulative increase, toxic risk screen, offsets, Reg 1-441, Reg 8-5-501, Reg 1-238)		Y	

IV. Source-specific Applicable Requirements

Table IV – CH Cluster 25
Source-specific Applicable Requirements
S137 – Tank A-137

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Reg 8 Rule 5	**Organic Compounds - STORAGE OF ORGANIC LIQUIDS (11/27/02)**		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service, Notification	Y	
8-5-111.1.1	Limited Exemption, Tank Removal From and Return to Service, Notification, 3 day prior notification	Y	
8-5-111.1.2	Limited Exemption, Tank Removal From and Return to Service, Notification, Telephone notification	Y	
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service, Tank in compliance prior to notification	Y	
8-5-111.4	Limited Exemption, Tank Removal From and Return to Service; Use of vapor recovery	Y	
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service, Minimize emissions	Y	
8-5-111.6	Limited Exemption, Tank Removal From and Return to Service, Notice of completion not required	Y	
8-5-111.7	Limited Exemption, Tank Removal From and Return to Service, Satisfy requirements of 8-5-328	Y	
8-5-112	Limited Exemption, Tanks in Operation	Y	
8-5-112.1	Limited Exemption, Tanks in Operation, Notification	Y	
8-5-112.1.1	Limited Exemption, Tanks in Operation, Notification, 3 day prior notification	Y	
8-5-112.1.2	Limited Exemption, Tanks in Operation, Notification, Telephone notification	Y	
8-5-112.2	Limited Exemption, Tanks in Operation, Tank in compliance prior to start of work. Certified per 8-5-404	Y	
8-5-112.3	Limited Exemption, Tanks in Operation, No product movement, Minimize emissions	Y	
8-5-112.4	Limited Exemption, Tanks in Operation, Not to exceed 7 days	Y	
8-5-301	Storage Tank Control Requirements	Y	
8-5-302	Requirements for Submerged Fill Pipes	Y	
8-5-303	Requirements for Pressure Vacuum Valve	Y	

IV. Source-specific Applicable Requirements

Table IV – CH Cluster 25
Source-specific Applicable Requirements
S137 – Tank A-137

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
8-5-306	Requirements for Approved Emission Control Systems		Y	
8-5-328	Tank Degassing Requirements		Y	
8-5-403	Inspection Requirements for Pressure Vacuum Valves		Y	
8-5-404	Certification		Y	
8-5-405	Information Required		Y	
8-5-501	Records		Y	
8-5-502	Tnk Degassing Annual Source Test Requirement		Y	
8-5-503	Portable Hydrocarbon Detector		Y	
Refinery MACT	**NESHAP for Petroleum Refineries REQUIREMENTS FOR TANKS ALSO SUBJECT TO NSPS Kb**		Y	
63.640(n)	Which rule governs for storage vessels subject to both Refinery MACT and NSPS subpart Kb?	63.640(n)(1) **NSPS subpart Kb**	Y	
	Does Refinery MACT provide for EFR secondary seals to be pulled back or temporarily removed during NSPS Kb inspections of the primary seal?	63.640(n)(8)(i) **YES**	Y	
	Does Refinery MACT provide for delay of NSPS Kb seal gap measurements due to unsafe conditions?	63.640(n)(8)(ii) **YES – up to 30 days, or empty the tank within 45 days**	Y	
	Does Refinery MACT provide for extensions of time to perform NSPS Kb inspections of unsafe tanks?	63.640(n)(8)(iii) **YES – up to 2 extensions of 30 days each**	Y	
	Does Refinery MACT provide for extensions of time to repair defects found during NSPS Kb inspections?	63.640(n)(8)(iii) **YES – up to 2 extensions of 30 days each**	Y	
	Does Refinery MACT provide for waiving the NSPS Kb prior-request requirement for extensions of time?	63.640(n)(8)(iii) **YES**	Y	
	Does Refinery MACT provide for submitting NSPS Kb documentation of the need for an extension with the next semi-annual periodic report?	63.640(n)(8)(iv) **YES**	Y	

IV. Source-specific Applicable Requirements

Table IV – CH Cluster 25
Source-specific Applicable Requirements
S137 – Tank A-137

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	Does Refinery MACT provide for submitting reports of NSPS Kb inspection failures on the semi-annual periodic report schedule?	63.640(n)(8)(v) **YES**	Y	
	Does Refinery MACT provide for not reporting the results of NSPS Kb inspections when there was no out-of-compliance (i.e., recordkeeping only)?	63.640(n)(8)(vi) **YES**	Y	
NSPS Subpart Kb	**Volatile Organic Liquid Storage Vessels** **REQUIREMENTS FOR FIXED ROOF TANK-CONTROL DEVICE**		Y	
60.112b(a)	**Closed vent system** Performance requirements:	60.112b(a)(3)(i) **no detectable emissions (i.e., < 500 ppm)**	Y	
	Control device Performance requirements:	60.112b(a)(3)(ii) **at least 95% efficient, or a flare per 60.18**	Y	
60.113b(c)(2)	**Control device (other than flare)** Operating requirements:	60.113b(c)(2) **operate and monitor per the plan**	Y	
60.115b	**Recordkeeping for inspections:** Keep inspection reports as specified.	60.115b **Keep required records for 5 years**	Y	
60.115b(c)	**Recordkeeping for tanks routed to a control device other than a flare:**	60.115b(c) **operating plan & records of parametric monitoring data**	Y	
60.116b(a)	**Applicability records:** Time period for keeping records of applicability determination, unless specified otherwise.	60.116b(a) **Keep required records for 5 years**	Y	
60.116b(b)	**Applicability records:** Records of dimensions & capacity required for nonexempt tanks?	60.116b(b) **Required** **Keep record readily accessible for the life of the tank**	Y	
60.116b(c)	**Applicability records:** Additional recordkeeping requirements for certain tanks.	60.116b(c) **identification & TVP of the stored product, if capacity ≥ 20,000 gallons. and TVP ≥ 2.2, OR capacity ≥ 40,000 gallons. and TVP ≥ 0.51** **Keep record as long as the tank is in that service**	Y	

IV. Source-specific Applicable Requirements

Table IV – CH Cluster 25
Source-specific Applicable Requirements
S137 – Tank A-137

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
60.116b(e)	**True vapor pressure (TVP) determination for applicability:**	60.116b(e) **maximum TVP of the stored liquid, based on highest calendar month average storage temperature**	Y	
60.116b(g)	**Applicability determination:** Miscellaneous recordkeeping exemptions:	60.116b(g) **keeping record of TVP is not required if tank is routed to a compliant control device**	Y	
NSPS Subpart A	**New Source Performance Standards GENERAL PROVISIONS**		Y	
60.7(a)	**Initial Notification:** Is initial notification of the source's existence required?	60.7(a)(1) **notification within 30 days after begin construction**	Y	
	Report (document) having initially achieved compliance?	60.7(a)(3) 60.115b(a)(1) & (b)(1) **within 15 days after initial fill**	Y	
	Notification of Compliance Status report:	60.7(a)(3) [cf. 60.115b(a)(1)&(b)(1)] **notification within 15 days after startup**	Y	
	Initial Notification: Is initial notification required if tank becomes affected only as a result of a modification?	60.7(a)(4) **notification 60 days or as soon as practicable before the change**	Y	
60.7(f)	**General recordkeeping requirements:** Time period for keeping records, unless specified otherwise.	60.7(f) **Keep all reports & notifications for 2 years**	Y	
	General recordkeeping requirements: Keep all reports and notification for the specified period of time.	60.7(f) **required**	Y	
60.14(g)	Achieve compliance for: New Tanks (or tanks that become affected as a result of a change or modification)?	60.14(g) **up to 180 days after modifications (otherwise prior to fill)**	Y	
BAAQMD Condition # 10984	**Permit Conditions**			
Part 1	Requirement for abatement (basis: cumulative increase)		Y	
Part 2	Throughput limit (basis: cumulative increase)		Y	
Part 3	Materials allowed for storage (basis: cumulative increase)		Y	

IV. Source-specific Applicable Requirements

Table IV – CH Cluster 25
Source-specific Applicable Requirements
S137 – Tank A-137

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 4	Record keeping (basis: cumulative increase)	Y	
BAAQMD Condition # 19528			
Part 1	Throughput limit (basis: Regulation 2-1-234.3, Regulation 2-1-403 Regulation 2-6-503)	Y	
BAAQMD Condition # 19528			
Part 6	Monitoring requirements for control device (basis: 60.113b(c)(2)	Y	

Table IV – CI Cluster 25
Source-specific Applicable Requirements
S513 – Tank A-513

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Reg 8 Rule 5	**Organic Compounds - STORAGE OF ORGANIC LIQUIDS (11/27/02)**		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service, Notification	Y	
8-5-111.1.1	Limited Exemption, Tank Removal From and Return to Service, Notification, 3 day prior notification	Y	
8-5-111.1.2	Limited Exemption, Tank Removal From and Return to Service, Notification, Telephone notification	Y	
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service, Tank in compliance prior to notification	Y	
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service, Minimize emissions	Y	
8-5-111.6	Limited Exemption, Tank Removal From and Return to Service, Notice of completion not required	Y	

IV. Source-specific Applicable Requirements

Table IV – CI Cluster 25
Source-specific Applicable Requirements
S513 – Tank A-513

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
8-5-111.7	Limited Exemption, Tank Removal From and Return to Service, Satisfy requirements of 8-5-328		Y	
8-5-112	Limited Exemption, Tanks in Operation		Y	
8-5-112.1	Limited Exemption, Tanks in Operation, Notification		Y	
8-5-112.1.1	Limited Exemption, Tanks in Operation, Notification, 3 day prior notification		Y	
8-5-112.1.2	Limited Exemption, Tanks in Operation, Notification, Telephone notification		Y	
8-5-112.2	Limited Exemption, Tanks in Operation, Tank in compliance prior to start of work. Certified per 8-5-404		Y	
8-5-112.3	Limited Exemption, Tanks in Operation, No product movement, Minimize emissions		Y	
8-5-112.4	Limited Exemption, Tanks in Operation, Not to exceed 7 days		Y	
8-5-301	Storage Tank Control Requirements		Y	
8-5-302	Requirements for Submerged Fill Pipes		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	
8-5-403	Inspection Requirements for Pressure Vacuum Valves		Y	
8-5-404	Certification		Y	
8-5-405	Information Required		Y	
8-5-501	Records		Y	
8-5-502	Tnk Degassing Annual Source Test Requirement		Y	
8-5-503	Portable Hydrocarbon Detector		Y	
Refinery MACT	**NESHAP for Petroleum Refineries REQUIREMENTS FOR TANKS ALSO SUBJECT TO NSPS Kb**		Y	
63.640(n)	Which rule governs for storage vessels subject to both Refinery MACT and NSPS subpart Kb?	63.640(n)(1) **NSPS subpart Kb**	Y	
	Does Refinery MACT provide for EFR secondary seals to be pulled back or temporarily removed during NSPS Kb inspections of the primary seal?	63.640(n)(8)(i) **YES**	Y	

IV. Source-specific Applicable Requirements

Table IV – CI Cluster 25
Source-specific Applicable Requirements
S513 – Tank A-513

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	Does Refinery MACT provide for delay of NSPS Kb seal gap measurements due to unsafe conditions?	63.640(n)(8)(ii) **YES – up to 30 days, or empty the tank within 45 days**	Y	
	Does Refinery MACT provide for extensions of time to perform NSPS Kb inspections of unsafe tanks?	63.640(n)(8)(iii) **YES – up to 2 extensions of 30 days each**	Y	
	Does Refinery MACT provide for extensions of time to repair defects found during NSPS Kb inspections?	63.640(n)(8)(iii) **YES – up to 2 extensions of 30 days each**	Y	
	Does Refinery MACT provide for waiving the NSPS Kb prior-request requirement for extensions of time?	63.640(n)(8)(iii) **YES**	Y	
	Does Refinery MACT provide for submitting NSPS Kb documentation of the need for an extension with the next semi-annual periodic report?	63.640(n)(8)(iv) **YES**	Y	
	Does Refinery MACT provide for submitting reports of NSPS Kb inspection failures on the semi-annual periodic report schedule?	63.640(n)(8)(v) **YES**	Y	
	Does Refinery MACT provide for not reporting the results of NSPS Kb inspections when there was no out-of-compliance (i.e., recordkeeping only)?	63.640(n)(8)(vi) **YES**	Y	
NSPS Subpart Kb	**Volatile Organic Liquid Storage Vessels** **REQUIREMENTS FOR FIXED ROOF TANK-CONTROL DEVICE**		Y	
60.112b(a)	**Closed vent system** Performance requirements:	60.112b(a)(3)(i) **no detectable emissions (i.e., < 500 ppm)**	Y	
	Control device Performance requirements:	60.112b(a)(3)(ii) **at least 95% efficient, or a flare per 60.18**	Y	
60.113b(c)(2)	**Control device (other than flare)** Operating requirements:	60.113b(c)(2) **operate and monitor per the plan**	Y	

IV. Source-specific Applicable Requirements

Table IV – CI Cluster 25
Source-specific Applicable Requirements
S513 – Tank A-513

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
60.115b	**Recordkeeping for inspections:** Keep inspection reports as specified.	60.115b **Keep required records for 5 years**	Y	
60.115b(c)	**Recordkeeping for tanks routed to a control device other than a flare:**	60.115b(c) **operating plan & records of parametric monitoring data**	Y	
60.116b(a)	**Applicability records:** Time period for keeping records of applicability determination, unless specified otherwise.	60.116b(a) **Keep required records for 5 years**	Y	
60.116b(b)	**Applicability records:** Records of dimensions & capacity required for nonexempt tanks?	60.116b(b) **Required Keep record readily accessible for the life of the tank**	Y	
60.116b(c)	**Applicability records:** Additional recordkeeping requirements for certain tanks.	60.116b(c) **identification & TVP of the stored product, if capacity ≥ 20,000 gallons. and TVP ≥ 2.2, OR capacity ≥ 40,000 gallons. and TVP ≥ 0.51 Keep record as long as the tank is in that service**	Y	
60.116b(e)	**True vapor pressure (TVP) determination for applicability:**	60.116b(e) **maximum TVP of the stored liquid, based on highest calendar month average storage temperature**	Y	
60.116b(g)	**Applicability determination:** Miscellaneous recordkeeping exemptions:	60.116b(g) **keeping record of TVP is not required if tank is routed to a compliant control device**	Y	
NSPS Subpart A	**New Source Performance Standards GENERAL PROVISIONS**		Y	
60.7(a)	**Initial Notification:** Is initial notification of the source's existence required?	60.7(a)(1) **notification within 30 days after begin construction**	Y	
	Report (document) having initially achieved compliance?	60.7(a)(3) 60.115b(a)(1) & (b)(1) **within 15 days after initial fill**	Y	
	Notification of Compliance Status report:	60.7(a)(3) [cf. 60.115b(a)(1)&(b)(1)] **notification within 15 days after startup**	Y	

IV. Source-specific Applicable Requirements

Table IV – CI Cluster 25
Source-specific Applicable Requirements
S513 – Tank A-513

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	Initial Notification: Is initial notification required if tank becomes affected only as a result of a modification?	60.7(a)(4) **notification 60 days or as soon as practicable before the change**	Y	
60.7(f)	**General recordkeeping requirements:** Time period for keeping records, unless specified otherwise.	60.7(f) **Keep all reports & notifications for 2 years**	Y	
	General recordkeeping requirements: Keep all reports and notification for the specified period of time.	60.7(f) **required**	Y	
60.14(g)	Achieve compliance for: New Tanks (or tanks that become affected as a result of a change or modification)?	60.14(g) **up to 180 days after modifications (otherwise prior to fill)**	Y	
BAAQMD Condition # 19528				
Part 1	Throughput limit (basis: Regulation 2-1-234.3, Regulation 2-1-403 Regulation 2-6-503)		Y	
BAAQMD Condition # 19528				
Part 6	Monitoring requirements for control device (basis: 60.113b(c)(2)		Y	

Table IV – CIa Cluster 25
Source-specific Applicable Requirements
S1489 Fixed Volume Portable Tank #1, S1490 Fixed Volume Portable Tank #2, S1491 Fixed Volume Portable Tank #3

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Reg 8 Rule 5	**Organic Compounds - STORAGE OF ORGANIC LIQUIDS (11/27/02)**		

IV. Source-specific Applicable Requirements

Table IV – CIa Cluster 25
Source-specific Applicable Requirements
S1489 Fixed Volume Portable Tank #1, S1490 Fixed Volume Portable Tank #2, S1491 Fixed Volume Portable Tank #3

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service, Notification	Y	
8-5-111.1.1	Limited Exemption, Tank Removal From and Return to Service, Notification, 3 day prior notification	Y	
8-5-111.1.2	Limited Exemption, Tank Removal From and Return to Service, Notification, Telephone notification	Y	
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service, Tank in compliance prior to notification	Y	
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service, Minimize emissions	Y	
8-5-111.6	Limited Exemption, Tank Removal From and Return to Service, Notice of completion not required	Y	
8-5-111.7	Limited Exemption, Tank Removal From and Return to Service, Satisfy requirements of 8-5-328	Y	
8-5-112	Limited Exemption, Tanks in Operation	Y	
8-5-112.1	Limited Exemption, Tanks in Operation, Notification	Y	
8-5-112.1.1	Limited Exemption, Tanks in Operation, Notification, 3 day prior notification	Y	
8-5-112.1.2	Limited Exemption, Tanks in Operation, Notification, Telephone notification	Y	
8-5-112.2	Limited Exemption, Tanks in Operation, Tank in compliance prior to start of work. Certified per 8-5-404	Y	
8-5-112.3	Limited Exemption, Tanks in Operation, No product movement, Minimize emissions	Y	
8-5-112.4	Limited Exemption, Tanks in Operation, Not to exceed 7 days	Y	
8-5-301	Storage Tank Control Requirements	Y	
8-5-302	Requirements for Submerged Fill Pipes	Y	
8-5-306	Requirements for Approved Emission Control Systems	Y	
8-5-328	Tank Degassing Requirements	Y	
8-5-501	Records	Y	
8-5-502	Tnk Degassing Annual Source Test Requirement	Y	
8-5-503	Portable Hydrocarbon Detector	Y	

IV. Source-specific Applicable Requirements

Table IV – CIa Cluster 25
Source-specific Applicable Requirements
S1489 Fixed Volume Portable Tank #1, S1490 Fixed Volume Portable Tank #2, S1491 Fixed Volume Portable Tank #3

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 8	**Organic Compounds – OIL WATER SEPARATORS (6/15/94)**			
8-8-305	Oil-Water Separator And/Or Air Flotation Unit Slop Oil Vessels		Y	
8-8-305.2	An organic compound vapor reacovery system with combined collection and destruction efficiency of at least 70% by weight.		Y	
Refinery MACT	**NESHAP for Petroleum Refineries REQUIREMENTS FOR TANKS ALSO SUBJECT TO NSPS Kb**		Y	
63.640(n)	Which rule governs for storage vessels subject to both Refinery MACT and NSPS subpart Kb?	63.640(n)(1) **NSPS subpart Kb**	Y	
	Does Refinery MACT provide for EFR secondary seals to be pulled back or temporarily removed during NSPS Kb inspections of the primary seal?	63.640(n)(8)(i) **YES**	Y	
	Does Refinery MACT provide for delay of NSPS Kb seal gap measurements due to unsafe conditions?	63.640(n)(8)(ii) **YES – up to 30 days, or empty the tank within 45 days**	Y	
	Does Refinery MACT provide for extensions of time to perform NSPS Kb inspections of unsafe tanks?	63.640(n)(8)(iii) **YES – up to 2 extensions of 30 days each**	Y	
	Does Refinery MACT provide for extensions of time to repair defects found during NSPS Kb inspections?	63.640(n)(8)(iii) **YES – up to 2 extensions of 30 days each**	Y	
	Does Refinery MACT provide for waiving the NSPS Kb prior-request requirement for extensions of time?	63.640(n)(8)(iii) **YES**	Y	
	Does Refinery MACT provide for submitting NSPS Kb documentation of the need for an extension with the next semi-annual periodic report?	63.640(n)(8)(iv) **YES**	Y	

IV. Source-specific Applicable Requirements

Table IV – CIa Cluster 25
Source-specific Applicable Requirements
S1489 Fixed Volume Portable Tank #1, S1490 Fixed Volume Portable Tank #2, S1491 Fixed Volume Portable Tank #3

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	Does Refinery MACT provide for submitting reports of NSPS Kb inspection failures on the semi-annual periodic report schedule?	63.640(n)(8)(v) **YES**	Y	
	Does Refinery MACT provide for not reporting the results of NSPS Kb inspections when there was no out-of-compliance (i.e., recordkeeping only)?	63.640(n)(8)(vi) **YES**	Y	
NSPS Subpart Kb	**Volatile Organic Liquid Storage Vessels** **REQUIREMENTS FOR FIXED ROOF TANK-CONTROL DEVICE**		Y	
60.112b(a)	**Closed vent system** Performance requirements:	60.112b(a)(3)(i) **no detectable emissions (i.e., < 500 ppm)**	Y	
	Control device Performance requirements:	60.112b(a)(3)(ii) **at least 95% efficient, or a flare per 60.18**	Y	
60.113b(c)(2)	**Control device (other than flare)** Operating requirements:	60.113b(c)(2) **operate and monitor per the plan**	Y	
60.115b	**Recordkeeping for inspections:** Keep inspection reports as specified.	60.115b **Keep required records for 5 years**	Y	
60.115b(c)	**Recordkeeping for tanks routed to a control device other than a flare:**	60.115b(c) **operating plan & records of parametric monitoring data**	Y	
60.116b(a)	**Applicability records:** Time period for keeping records of applicability determination, unless specified otherwise.	60.116b(a) **Keep required records for 5 years**	Y	
60.116b(b)	**Applicability records:** Records of dimensions & capacity required for nonexempt tanks?	60.116b(b) **Required** **Keep record readily accessible for the life of the tank**	Y	
60.116b(c)	**Applicability records:** Additional recordkeeping requirements for certain tanks.	60.116b(c) **identification & TVP of the stored product, if capacity ≥ 20,000 gallons. and TVP ≥ 2.2, OR capacity ≥ 40,000 gallons. and TVP ≥ 0.51** **Keep record as long as the tank is in that service**	Y	

IV. Source-specific Applicable Requirements

Table IV – CIa Cluster 25
Source-specific Applicable Requirements
S1489 Fixed Volume Portable Tank #1, S1490 Fixed Volume Portable Tank #2, S1491 Fixed Volume Portable Tank #3

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
60.116b(e)	**True vapor pressure (TVP) determination for applicability:**	60.116b(e) **maximum TVP of the stored liquid, based on highest calendar month average storage temperature**	Y	
60.116b(g)	**Applicability determination:** Miscellaneous recordkeeping exemptions:	60.116b(g) **keeping record of TVP is not required if tank is routed to a compliant control device**	Y	
NSPS Subpart A	**New Source Performance Standards** **GENERAL PROVISIONS**		Y	
60.7(a)	**Initial Notification:** Is initial notification of the source's existence required?	60.7(a)(1) **notification within 30 days after begin construction**	Y	
	Report (document) having initially achieved compliance?	60.7(a)(3) 60.115b(a)(1) & (b)(1) **within 15 days after initial fill**	Y	
	Notification of Compliance Status report:	60.7(a)(3) [cf. 60.115b(a)(1)&(b)(1)] **notification within 15 days after startup**	Y	
	Initial Notification: Is initial notification required if tank becomes affected only as a result of a modification?	60.7(a)(4) **notification 60 days or as soon as practicable before the change**	Y	
60.7(f)	**General recordkeeping requirements:** Time period for keeping records, unless specified otherwise.	60.7(f) **Keep all reports & notifications for 2 years**	Y	
	General recordkeeping requirements: Keep all reports and notification for the specified period of time.	60.7(f) **required**	Y	
60.14(g)	Achieve compliance for: New Tanks (or tanks that become affected as a result of a change or modification)?	60.14(g) **up to 180 days after modifications (otherwise prior to fill)**	Y	
BAAQMD Condition # 21535	S1491 Fixed Volume Portable Tank #3			
Part 1	Throughput limit (basis: cumulative increase, toxic risk screen)		Y	

IV. Source-specific Applicable Requirements

Table IV – CIa Cluster 25
Source-specific Applicable Requirements
S1489 Fixed Volume Portable Tank #1, S1490 Fixed Volume Portable Tank #2, S1491 Fixed Volume Portable Tank #3

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 2	Abatement at all times with an overall collection and adsorption efficiency of at least 95% by weight POC (basis: cumulative increase, toxic risk screen).	Y	
Part 3	Materials to be stored (basis: cumulative increase, toxic risk screen)	Y	
Part 4	Monitoring (basis: cumulative increase, toxic risk screen)	Y	
Part 5	Monitoring log, frequency of change-out (basis: cumulative increase, toxic risk screen)	Y	
Part 6	Vessel breakthrough of first carbon vessel (basis: cumulative increase, toxic risk screen)	Y	
Part 7	Last carbon vessel changeout (basis: cumulative increase, toxic risk screen)	Y	
Part 8	Exceedence reporting (basis: cumulative increase, toxic risk screen)	Y	
Part 9	Records and reporting (basis: cumulative increase, recordkeeping)	Y	
BAAQMD Condition # 21536	S1489 and S1490 Fixed Volume Portable Tanks #1 and #2		
Part 1	Throughput limit for S1489 (basis: cumulative increase, toxic risk screen)	Y	
Part 2	Throughput limit for S1490 (basis: cumulative increase, toxic risk screen)	Y	
Part 3	Abatement at all times with an overall collection and adsorption efficiency of at least 95% by weight POC (basis: cumulative increase, toxic risk screen).	Y	
Part 4	Materials to be stored (basis: cumulative increase, toxic risk screen)	Y	
Part 5	Monitoring (basis: cumulative increase, toxic risk screen)	Y	
Part 6	Monitoring log, frequency of change-out (basis: cumulative increase, toxic risk screen)	Y	
Part 7	Vessel breakthrough of first carbon vessel (basis: cumulative increase, toxic risk screen)	Y	
Part 8	Last carbon vessel changeout (basis: cumulative increase, toxic risk screen)	Y	
Part 9	Exceedence reporting (basis: cumulative increase, toxic risk screen)	Y	
Part 10	Records and reporting (basis: cumulative increase, recordkeeping)	Y	

IV. Source-specific Applicable Requirements

Table IV – CJ Cluster 26
Source-specific Applicable Requirements
S19 (~~12759~~B2759) – Tank B-19, S21 (~~12759~~B2759) – Tank B-021, S30 (~~12759~~B2759) – Tank B-30, S49 (~~12759~~B2759) – Tank B-49, S50 (~~12759~~B2759) – Tank B-050

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Reg 8 Rule 5	**Organic Compounds - STORAGE OF ORGANIC LIQUIDS REQUIREMENTS (11/27/02)**		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service, Notification	Y	
8-5-111.1.1	Limited Exemption, Tank Removal From and Return to Service, Notification, 3 day prior notification	Y	
8-5-111.1.2	Limited Exemption, Tank Removal From and Return to Service, Notification, Telephone notification	Y	
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service, Tank in compliance prior to notification	Y	
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service, Minimize emissions	Y	
8-5-111.6	Limited Exemption, Tank Removal From and Return to Service, Notice of completion not required	Y	
8-5-111.7	Limited Exemption, Tank Removal From and Return to Service, Satisfy requirements of 8-5-328	Y	
8-5-112	Limited Exemption, Tanks in Operation	Y	
8-5-112.1	Limited Exemption, Tanks in Operation, Notification	Y	
8-5-112.1.1	Limited Exemption, Tanks in Operation, Notification, 3 day prior notification	Y	
8-5-112.1.2	Limited Exemption, Tanks in Operation, Notification, Telephone notification	Y	
8-5-112.2	Limited Exemption, Tanks in Operation, Tank in compliance prior to start of work. Certified per 8-5-404	Y	
8-5-112.3	Limited Exemption, Tanks in Operation, No product movement, Minimize emissions	Y	
8-5-112.4	Limited Exemption, Tanks in Operation, Not to exceed 7 days	Y	
8-5-301	Storage Tank Control Requirements	Y	
8-5-302	Requirements for Submerged Fill Pipes	Y	
8-5-303	Requirements for Pressure Vacuum Valve	Y	
8-5-304	Requirements for External Floating Roofs	Y	
8-5-320	Tank Fitting Requirements	Y	

IV. Source-specific Applicable Requirements

Table IV – CJ Cluster 26
Source-specific Applicable Requirements
S19 (~~12759~~B2759) – Tank B-19, S21 (~~12759~~B2759) – Tank B-021, S30 (~~12759~~B2759) – Tank B-30, S49 (~~12759~~B2759) – Tank B-49, S50 (~~12759~~B2759) – Tank B-050

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-5-321	Primary Seal Requirements	Y	
8-5-322	Secondary Seal Requirements	Y	
8-5-328	Tank Degassing Requirements	Y	
8-5-401	Inspection Requirements for External Floating Roof	Y	
8-5-403	Inspection Requirements for Pressure Vacuum Valves	Y	
8-5-404	Certification	Y	
8-5-405	Information Required	Y	
8-5-501	Records	Y	
8-5-502	Tank Degassing Annual Source Test Requirement	Y	
8-5-503	Portable Hydrocarbon Detector	Y	
BAAQMD Condition # 10684	Permit Conditions Solely for S19 (~~12759~~B2759) and S-50 (~~12759~~B2759)		
Part 1	Zero Gap Secondary Seal Requirement (basis: Regulation 8-5)	Y	
Part 2	Compliance Reporting Requirement (basis: Regulation 8-5)	Y	
BAAQMD Condition # 19528			
Part 1	Throughput limit (basis: Regulation 2-1-234.3, Regulation 2-1-403 Regulation 2-6-503)	Y	

Table IV – CJ Cluster 26
Source-specific Applicable Requirements
S26 – Tank A-026, S490 – Tank A-490, S631 – Tank A-631, S690 – Tank A-690, S705 – Tank A-705

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Reg 8 Rule 5	**Organic Compounds - STORAGE OF ORGANIC LIQUIDS REQUIREMENTS (11/27/02)**		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	

IV. Source-specific Applicable Requirements

Table IV – CJ Cluster 26
Source-specific Applicable Requirements
S26 – Tank A-026, S490 – Tank A-490, S631 – Tank A-631, S690 – Tank A-690, S705 – Tank A-705

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service, Notification	Y	
8-5-111.1.1	Limited Exemption, Tank Removal From and Return to Service, Notification, 3 day prior notification	Y	
8-5-111.1.2	Limited Exemption, Tank Removal From and Return to Service, Notification, Telephone notification	Y	
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service, Tank in compliance prior to notification	Y	
8-5-111.3	Limited Exemption, Tank Removal From and Return to Service, Floating roof tanks	Y	
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service, Minimize emissions	Y	
8-5-111.6	Limited Exemption, Tank Removal From and Return to Service, Notice of completion not required	Y	
8-5-111.7	Limited Exemption, Tank Removal From and Return to Service, Satisfy requirements of 8-5-328	Y	
8-5-112	Limited Exemption, Tanks in Operation	Y	
8-5-112.1	Limited Exemption, Tanks in Operation, Notification	Y	
8-5-112.1.1	Limited Exemption, Tanks in Operation, Notification, 3 day prior notification	Y	
8-5-112.1.2	Limited Exemption, Tanks in Operation, Notification, Telephone notification	Y	
8-5-112.2	Limited Exemption, Tanks in Operation, Tank in compliance prior to start of work. Certified per 8-5-404	Y	
8-5-112.3	Limited Exemption, Tanks in Operation, No product movement, Minimize emissions	Y	
8-5-112.4	Limited Exemption, Tanks in Operation, Not to exceed 7 days	Y	
8-5-301	Storage Tank Control Requirements	Y	
8-5-302	Requirements for Submerged Fill Pipes	Y	
8-5-303	Requirements for Pressure Vacuum Valve	Y	
8-5-304	Requirements for External Floating Roofs	Y	
8-5-320	Tank Fitting Requirements	Y	
8-5-321	Primary Seal Requirements	Y	
8-5-322	Secondary Seal Requirements	Y	

IV. Source-specific Applicable Requirements

Table IV – CJ Cluster 26
Source-specific Applicable Requirements
S26 – Tank A-026, S490 – Tank A-490, S631 – Tank A-631, S690 – Tank A-690, S705 – Tank A-705

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
8-5-328	Tank Degassing Requirements		Y	
8-5-401	Inspection Requirements for External Floating Roof		Y	
8-5-403	Inspection Requirements for Pressure Vacuum Valves		Y	
8-5-404	Certification		Y	
8-5-405	Information Required		Y	
8-5-501	Records		Y	
8-5-502	Tank Degassing Annual Source Test Requirement		Y	
8-5-503	Portable Hydrocarbon Detector		Y	
Refinery MACT	**NESHAP for Petroleum Refineries** **REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS**		Y	
63.642(e)	**General recordkeeping requirements:** Time period for keeping records, unless specified otherwise.	63.642(e) & 63.654(i)(4) **keep all other records 5 years, retrievable within 24 hr**	Y	
	General recordkeeping requirements: Keep all reports and notification for the specified period of time.	63.642(e) & 63.654(i)(4) **required**	Y	
63.646(a)	**The source only needs to comply with the provisions as they relate to existing external floating roof tanks.**		Y	
	EFR Rim Seals: vapor-mounted primary seal: liquid-mounted primary seal: mechanical-shoe primary seal:	63.646(a) 63.119(c)(1)(i) - (1)(iii) **Not Allowed** **OK with rim-mounted secondary** **OK with rim-mounted secondary**	Y	
	Must vapor-mounted rim seals be continuous on EFRs?	63.646(a) 63.119(c)(1)(iii) **YES**	Y	
	Are EFR rim seals allowed to be pulled back or temporarily removed during inspection?	63.646(a) 63.119(c)(1)(iii) 63.120(b)(4) **YES**	Y	

IV. Source-specific Applicable Requirements

Table IV – CJ Cluster 26
Source-specific Applicable Requirements
S26 – Tank A-026, S490 – Tank A-490, S631 – Tank A-631, S690 – Tank A-690, S705 – Tank A-705

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	EFRT operating requirements: When landing the floating roof on its support legs, is the tank to be emptied & either refilled or degassed AS SOON AS POSSIBLE?	63.646(a) 63.119(c)(3) & (c)(4) **YES**	Y	
	Temporary exemption from operating requirements while the external floating roof is landed on its support legs? *	63.646(a) 63.119(c)(3) **EXEMPT**	Y	
	EFR Internal Inspections: up-close visual inspection of the floating roof, seals, & fittings:	63.646(a) & 63.120(b) **each time the tank is emptied & degassed**	Y	
	EXTENSIONS OF TIME: If EFRT is unsafe to inspect & cannot be emptied within 45 days?	63.646(a) & 63.120(b) **up to 2 extensions of 30 days each, if needed**	Y	
	Notification of Inspections: Are notifications of inspections to demonstrate initial compliance required, For EFR seal gap measurements:	63.646(a) 63.120(b)(1) & (9) **Required-notifications&reports per Ongoing Reports**	Y	
	Seal Gap Measurements: FREQUENCY AFTER INITIAL COMPLIANCE, For the EFR Primary Seal:	63.646(a) 63.120(b)(1)(i) **every 5 years**	Y	
	Seal Gap Measurements: For existing EFRTs in compliance by the compliance date:	63.646(a) 63.120(b)(1)(i) & (iii) **measure gaps of both seals prior to the compliance date**	Y	
	Seal Gap Measurements: For new EFRTs:	63.646(a) 63.120(b)(1)(i) & (iii) **measure gaps of both seals prior to initial fill**	Y	
	Seal Gap Measurements: For affected EFRTs with a mechanical-shoe or liq-mounted primary-only rim seal, prior to installing a secondary seal; PRIOR TO COMPLIANCE: UPON COMPLIANCE:	63.646(a) 63.120(b)(1)(ii) **annual primary seal gap measurements** * 63.646(a) 63.120(b)(1)(ii) **measure gaps of both seals within 90 days**	Y	

IV. Source-specific Applicable Requirements

Table IV – CJ Cluster 26
Source-specific Applicable Requirements
S26 – Tank A-026, S490 – Tank A-490, S631 – Tank A-631, S690 – Tank A-690, S705 – Tank A-705

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	Seal Gap Measurements: FREQUENCY AFTER INITIAL COMPLIANCE, For the EFR Secondary Seal:	63.646(a) 63.120(b)(1)(iii) **annually**	Y	
	Seal Gap Measurements: For EFRTs returned to affected service after 1 yr or more of exempt service:	63.646(a) 63.120(b)(1)(iv) **measure gaps of both seals within 90 days**	Y	
	MEASUREMENT COND'S: Are EFR seal gap measurements to be made with the roof floating?	63.646(a) 63.120(b)(2)(i) **YES**	Y	
	DETERMINATION OF EFR RIM-SEAL GAP AREAS: Presence of a gap determined by inserting a 1/8 in. probe?	63.646(a) 63.120(b)(2)(ii) **YES**	Y	
	DETERMINATION OF EFR RIM-SEAL GAP AREAS: Use probes of various widths to determine the gap area?	63.646(a) 63.120(b)(2)(iii) **YES**	Y	
	DETERMINATION OF EFR RIM-SEAL GAP AREAS: Sum the gap areas & divide by the diameter of the tank?	63.646(a) 63.120(b)(3) & (4) **YES**	Y	
	EFR Primary Seal Gap Inspection Criteria: maximum area: maximum gap width:	63.646(a) 63.120(b)(3) **10 in2 per foot of vessel diameter** **1.5 in.**	Y	
	EFR Secondary Seal Gap Inspection Criteria: maximum area: maximum gap width:	63.646(a) 63.120(b)(4) **1 in2 per foot of vessel diameter** **0.5 in.**	Y	
	Is the metallic shoe of an EFR mechanical-shoe seal required to have its bottom in the liquid and extend at least 24 in. above the liquid?	63.646(a) 63.120(b)(5)(i) **YES**	Y	
	Shall there be no holes, tears, or openings in the EFR seals?	63.646(a) 63.120(b)(5)(ii) & (6)(ii) **YES**	Y	

IV. Source-specific Applicable Requirements

Table IV – CJ Cluster 26
Source-specific Applicable Requirements
S26 – Tank A-026, S490 – Tank A-490, S631 – Tank A-631, S690 – Tank A-690, S705 – Tank A-705

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	UNSAFE CONDITIONS: Delay of EFR seal gap measurements allowed for unsafe conditions? If unable to make safe to measure, must the EFRT be emptied?	63.646(a) 63.120(b)(7)(i) **up to 30 additional days** 63.120(b)(7)(ii) **YES, within 45 days of determining unsafe**	Y	
	EFRT REPAIRS: Time allowed for repair of defects found during in-service inspections of EFRs: If unable to repair, empty the EFRT & remove from service?	63.646(a) 63.120(b)(8) **make repairs within 45 days** 63.120(b)(8) **YES, within 45 days**	Y	
	EXTENSIONS OF TIME: If EFRT defects cannot be repaired & the tank cannot be emptied within 45 days?	63.646(a) 63.120(b)(8) **up to 2 extensions of 30 days each, if needed**	Y	
	Notification of Inspections: Are notifications of inspections to demonstrate initial compliance required, For EFR internal inspections:	63.646(a) 63.120(b)(10) **internal inspection not required for initial compliance**	Y	
	EFRT REPAIRS: Repair of defects if the tank is empty?	63.646(a) 63.120(b)(10)(i) **prior to refilling**	Y	
63.646(c)	EFR well covers to be gasketed?	63.646(c) **not required at existing sources**	Y	
	EFR vents to be gasketed?	63.646(c) **not required at existing sources**	Y	
	EFR deck openings other than for vents to project into liquid?	63.646(c) **not required at existing sources**	Y	
	EFR access hatch & gauge float well covers to be bolted closed?	63.646(c) **not required at existing sources**	Y	
	EFR emergency roof drains to have seals covering at least 90% of the opening?	63.646(c) **not required at existing sources**	Y	
	EFR guidepole wells to have a deck cover gasket and a pole wiper?	63.646(c) **not required at existing sources**	Y	

IV. Source-specific Applicable Requirements

Table IV – CJ Cluster 26
Source-specific Applicable Requirements
S26 – Tank A-026, S490 – Tank A-490, S631 – Tank A-631, S690 – Tank A-690, S705 – Tank A-705

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	EFRT unslotted guidepoles to have a gasketed cap at the top of the pole?	63.646(c) **not required at existing sources**	Y	
	EFRT slotted guidepoles to have either an internal float or a pole sleeve?	63.646(c) **not required at existing sources**	Y	
63.646(e)	Exempts existing source from complying with inspection requirements for gaskets, slotted membranes and sleeve seals.		Y	
63.646(f)	Deck openings (wells) other than for vents, drains, or legs to have covers that are kept closed except for access?	63.646(f)(1) **REQUIRED**	Y	
	EFR rim space vents to remain closed except when the pressure setting is exceeded?	63.646(f)(2) **REQUIRED**	Y	
	EFR auto. bleeder vent (vacuum breaker) to be closed except when the deck is landed?	63.646(f)(3) **REQUIRED**	Y	
63.646(g)	**This notes that the failure to perform inspections and required monitoring is a violation of the application standard.**		Y	
63.646(l)	**Notification of Inspections:** Is the State or local authority allowed to waive the notification requirements?	63.646(l) 63.654(h)(2)(i)(C)&(ii) **YES**	Y	
63.654(g), (h), and (i)	The source only needs to comply with provisions as they relate to existing floating roof tanks.		Y	
63.654(g)	Report of periodic inspections, etc. AFTER documenting initial compliance?	63.654(g) **begin Sept 13, 1999 then semiannual**	Y	
	Periodic Reports: Report of EFR inspection failures to include:	63.654(g)(2) - (4) **date of inspec, identification of tank, description of failure, & date of repair or emptying**	Y	

IV. Source-specific Applicable Requirements

Table IV – CJ Cluster 26
Source-specific Applicable Requirements
S26 – Tank A-026, S490 – Tank A-490, S631 – Tank A-631, S690 – Tank A-690, S705 – Tank A-705

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	Periodic Reports: EFR report to include a prior request for 30-day extension, w/ documentation of need?	63.654(g)(2) - (4) **prior request is not required**	Y	
	Periodic Reports: Additional information to be included if an extension is utilized for an EFR:	63.654(g)(2)(i) 63.654(g)(3)(ii) **document the reason for the extension**	Y	
	Periodic Reports: Report EFR seal gap inspections if there was no out-of-compliance?	63.654(g)(3)(i) **Not required**	Y	
	Periodic Reports: Report EFR seal gap inspections when there is out-of-compliance?	63.654(g)(3)(i) **Required within 60 days after each semiannual period**	Y	
63.654(h)	**Notification of Inspections:** Is 30-day notice required for internal inspections of EFRTs (i.e., prior to filling or refilling); but a 7-day verbal notice acceptable if the event is unplanned?	63.654(h)(2)(i) 63.646(a) 63.120(b)(10) **REQUIRED**	Y	
	Notification of Inspections: Is 30-day notice required prior to EFR seal gap measurements?	63.654(h)(2)(ii) 63.646(a) 63.120(b)(9) **REQUIRED**	Y	
	Report applicability for varying-use tanks?	63.654(h)(6)(ii) **w/the initial NOC Status report**	Y	
	Other (initial) Reports: Report applicability for varying-use tanks?	63.654(h)(6)(ii) **required with the initial Notification of Compliance Status report**	Y	
63.654(i)	**Applicability records:** Time period for keeping records of applicability determination, unless specified otherwise.	63.654(i)(1) 63.123(a) **Keep record readily accessible for the service life of the tank**	Y	

IV. Source-specific Applicable Requirements

Table IV – CJ Cluster 26
Source-specific Applicable Requirements
S26 – Tank A-026, S490 – Tank A-490, S631 – Tank A-631, S690 – Tank A-690, S705 – Tank A-705

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	Applicability records: Records of dimensions & capacity required for nonexempt tanks?	63.654(i)(1) 63.646(a)&63.119(a)(3) 63.123(a) **Required** **Keep record readily accessible for service life of the tank** *	Y	
	Recordkeeping for inspections: Keep inspection reports as specified.	63.654(i)(1) 63.123(c) - (e) **all inspections**	Y	
	Records of EFR inspection reports:	63.654(i)(1) 63.123(d) **all inspections**	Y	
	Recordkeeping for delayed repairs: When utilizing a delay of repair provision, keep documentation of the reason for the delay.	63.654(i)(1) 63.123 (g) **required**	Y	
	Applicability records: Additional recordkeeping requirements for certain tanks.	63.654(i)(1)(iv) **determination of HAP content** **Keep record readily accessible for service life of the tank**	Y	
BAAQMD Condition # 5000	**Permit Conditions for S705 only**			
Part 1	Secondary seal requirement (cumulative increase, Reg. 8-5)		Y	
Part 2	Requirement to notify the District regarding tank secondary seal (basis: Reg. 8-5, cumulative increase)		Y	
BAAQMD Condition # 5957	**Permit Conditions for S26 only**		Y	
Part 1	Secondary seal requirement (cumulative increase, Reg. 8-5)		Y	
Part 2	Requirement to notify the District regarding tank secondary seal (basis: Reg. 8-5, cumulative increase)		Y	
BAAQMD Condition # 10684				
Part 1	Design specifications (basis: Reg. 8-5, cumulative increase)		Y	

IV. Source-specific Applicable Requirements

Table IV – CJ Cluster 26
Source-specific Applicable Requirements
S26 – Tank A-026, S490 – Tank A-490, S631 – Tank A-631, S690 – Tank A-690, S705 – Tank A-705

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 2	Requirement to notify the District regarding tank seals (basis: Reg. 8-5, cumulative increase))	Y	
BAAQMD Condition # 19528			
Part 1	Throughput limit (basis: Regulation 2-1-234.3, Regulation 2-1-403 Regulation 2-6-503)	Y	

Table IV – CK Cluster 26
Source-specific Applicable Requirements
S641 – Tank A-641

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Reg 8 Rule 5	**Organic Compounds - STORAGE OF ORGANIC LIQUIDS REQUIREMENTS (11/27/02)**		
8-5-111.1.1	Limited Exemption, Tank Removal From and Return to Service	Y	
8-5-111.1.2	Limited Exemption, Tank Removal From and Return to Service, Notification	Y	
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service, Notification, 3 day prior notification	Y	
8-5-111.3	Limited Exemption, Tank Removal From and Return to Service, Notification, Telephone notification	Y	
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service, Tank in compliance prior to notification	Y	
8-5-111.6	Limited Exemption, Tank Removal From and Return to Service, Floating roof tanks	Y	
8-5-111.7	Limited Exemption, Tank Removal From and Return to Service, Minimize emissions	Y	
8-5-112	Limited Exemption, Tank Removal From and Return to Service, Notice of completion not required	Y	
8-5-112.1	Limited Exemption, Tank Removal From and Return to Service, Satisfy requirements of 8-5-328	Y	
8-5-112.1.1	Limited Exemption, Tanks in Operation	Y	
8-5-112.1.2	Limited Exemption, Tanks in Operation, Notification	Y	

IV. Source-specific Applicable Requirements

Table IV – CK Cluster 26
Source-specific Applicable Requirements
S641 – Tank A-641

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
8-5-112.2	Limited Exemption, Tanks in Operation, Notification, 3 day prior notification		Y	
8-5-112.3	Limited Exemption, Tanks in Operation, Notification, Telephone notification		Y	
8-5-112.4	Limited Exemption, Tanks in Operation, Tank in compliance prior to start of work. Certified per 8-5-404		Y	
	Limited Exemption, Tanks in Operation, No product movement, Minimize emissions		Y	
	Limited Exemption, Tanks in Operation, Not to exceed 7 days		Y	
8-5-301	Storage Tank Control Requirements		Y	
8-5-302	Requirements for Submerged Fill Pipes		Y	
8-5-304	Requirements for External Floating Roofs		Y	
8-5-320	Tank Fitting Requirements		Y	
8-5-321	Primary Seal Requirements		Y	
8-5-322	Secondary Seal Requirements		Y	
8-5-328	Tank Degassing Requirements		Y	
8-5-401	Inspection Requirements for External Floating Roof		Y	
8-5-403	Inspection Requirements for Pressure Vacuum Valves		Y	
8-5-404	Certification		Y	
8-5-405	Information Required		Y	
8-5-501	Records		Y	
8-5-502	Tank Degassing Annual Source Test Requirement		Y	
8-5-503	Portable Hydrocarbon Detector		Y	
Refinery MACT	**NESHAP for Petroleum Refineries REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS**		Y	
63.642(e)	**General recordkeeping requirements:** Time period for keeping records, unless specified otherwise.	63.642(e) & 63.654(i)(4) **keep all other records 5 years, retrievable within 24 hr**	Y	
	General recordkeeping requirements: Keep all reports and notification for the specified period of time.	63.642(e) & 63.654(i)(4) **required**	Y	
63.646(a)	**The source only needs to comply with the provisions as they relate to existing external floating roof tanks.**		Y	

IV. Source-specific Applicable Requirements

Table IV – CK Cluster 26
Source-specific Applicable Requirements
S641 – Tank A-641

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	EFR Rim Seals: vapor-mounted primary seal: liquid-mounted primary seal: mechanical-shoe primary seal:	63.646(a) 63.119(c)(1)(i) - (1)(iii) **Not Allowed** **OK with rim-mounted secondary** **OK with rim-mounted secondary**	Y	
	Must vapor-mounted rim seals be continuous on EFRs?	63.646(a) 63.119(c)(1)(iii) **YES**	Y	
	Are EFR rim seals allowed to be pulled back or temporarily removed during inspection?	63.646(a) 63.119(c)(1)(iii) 63.120(b)(4) **YES**	Y	
	EFRT operating requirements: When landing the floating roof on its support legs, is the tank to be emptied & either refilled or degassed AS SOON AS POSSIBLE?	63.646(a) 63.119(c)(3) & (c)(4) **YES**	Y	
	Temporary exemption from operating requirements while the external floating roof is landed on its support legs? *	63.646(a) 63.119(c)(3) **EXEMPT**	Y	
	EFR Internal Inspections: up-close visual inspection of the floating roof, seals, & fittings:	63.646(a) & 63.120(b) **each time the tank is emptied & degassed**	Y	
	EXTENSIONS OF TIME: If EFRT is unsafe to inspect & cannot be emptied within 45 days?	63.646(a) & 63.120(b) **up to 2 extensions of 30 days each, if needed**	Y	
	Notification of Inspections: Are notifications of inspections to demonstrate initial compliance required, For EFR seal gap measurements:	63.646(a) 63.120(b)(1) & (9) **Required-notifications&reports per Ongoing Reports**	Y	
	Seal Gap Measurements: FREQUENCY AFTER INITIAL COMPLIANCE, For the EFR Primary Seal:	63.646(a) 63.120(b)(1)(i) **every 5 years**	Y	
	Seal Gap Measurements: For existing EFRTs in compliance by the compliance date:	63.646(a) 63.120(b)(1)(i) & (iii) **measure gaps of both seals prior to the compliance date**	Y	

IV. Source-specific Applicable Requirements

Table IV – CK Cluster 26
Source-specific Applicable Requirements
S641 – Tank A-641

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	Seal Gap Measurements: For new EFRTs:	63.646(a) 63.120(b)(1)(i) & (iii) **measure gaps of both seals prior to initial fill**	Y	
	Seal Gap Measurements: For affected EFRTs with a mechanical-shoe or liq-mounted primary-only rim seal, prior to installing a secondary seal; PRIOR TO COMPLIANCE: UPON COMPLIANCE:	63.646(a) 63.120(b)(1)(ii) **annual primary seal gap measurements** * 63.646(a) 63.120(b)(1)(ii) **measure gaps of both seals within 90 days**	Y	
	Seal Gap Measurements: FREQUENCY AFTER INITIAL COMPLIANCE, For the EFR Secondary Seal:	63.646(a) 63.120(b)(1)(iii) **annually**	Y	
	Seal Gap Measurements: For EFRTs returned to affected service after 1 yr or more of exempt service:	63.646(a) 63.120(b)(1)(iv) **measure gaps of both seals within 90 days**	Y	
	MEASUREMENT COND'S: Are EFR seal gap measurements to be made with the roof floating?	63.646(a) 63.120(b)(2)(i) **YES**	Y	
	DETERMINATION OF EFR RIM-SEAL GAP AREAS: Presence of a gap determined by inserting a 1/8 in. probe?	63.646(a) 63.120(b)(2)(ii) **YES**	Y	
	DETERMINATION OF EFR RIM-SEAL GAP AREAS: Use probes of various widths to determine the gap area?	63.646(a) 63.120(b)(2)(iii) **YES**	Y	
	DETERMINATION OF EFR RIM-SEAL GAP AREAS: Sum the gap areas & divide by the diameter of the tank?	63.646(a) 63.120(b)(3) & (4) **YES**	Y	
	EFR Primary Seal Gap Inspection Criteria: maximum area: maximum gap width:	63.646(a) 63.120(b)(3) **10 in2 per foot of vessel diameter** **1.5 in.**	Y	

IV. Source-specific Applicable Requirements

Table IV – CK Cluster 26
Source-specific Applicable Requirements
S641 – Tank A-641

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	EFR Secondary Seal Gap Inspection Criteria: maximum area: maximum gap width:	63.646(a) 63.120(b)(4) **1 in2 per foot of** **0.5 in.**	Y	
	Is the metallic shoe of an EFR mechanical-shoe seal required to have its bottom in the liquid and extend at least 24 in. above the liquid?	63.646(a) 63.120(b)(5)(i) **YES**	Y	
	Shall there be no holes, tears, or openings in the EFR seals?	63.646(a) 63.120(b)(5)(ii) & (6)(ii) **YES**	Y	
	UNSAFE CONDITIONS: Delay of EFR seal gap measurements allowed for unsafe conditions? If unable to make safe to measure, must the EFRT be emptied?	63.646(a) 63.120(b)(7)(i) **up to 30 additional days** 63.120(b)(7)(ii) **YES, within 45 days of determining unsafe**	Y	
	EFRT REPAIRS: Time allowed for repair of defects found during in-service inspections of EFRs: If unable to repair, empty the EFRT & remove from service?	63.646(a) 63.120(b)(8) **make repairs within 45 days** 63.120(b)(8) **YES, within 45 days**	Y	
	EXTENSIONS OF TIME: If EFRT defects cannot be repaired & the tank cannot be emptied within 45 days?	63.646(a) 63.120(b)(8) **up to 2 extensions of 30 days each, if needed**	Y	
	Notification of Inspections: Are notifications of inspections to demonstrate initial compliance required, For EFR internal inspections:	63.646(a) 63.120(b)(10) **internal inspection not required for initial compliance**	Y	
	EFRT REPAIRS: Repair of defects if the tank is empty?	63.646(a) 63.120(b)(10)(i) **prior to refilling**	Y	
63.646(c)	EFR well covers to be gasketed?	63.646(c) **not required at existing sources**	Y	

IV. Source-specific Applicable Requirements

Table IV – CK Cluster 26
Source-specific Applicable Requirements
S641 – Tank A-641

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	EFR vents to be gasketed?	63.646(c) **not required at existing sources**	Y	
	EFR deck openings other than for vents to project into liquid?	63.646(c) **not required at existing sources**	Y	
	EFR access hatch & gauge float well covers to be bolted closed?	63.646(c) **not required at existing sources**	Y	
	EFR emergency roof drains to have seals covering at least 90% of the opening?	63.646(c) **not required at existing sources**	Y	
	EFR guidepole wells to have a deck cover gasket and a pole wiper?	63.646(c) **not required at existing sources**	Y	
	EFRT unslotted guidepoles to have a gasketed cap at the top of the pole?	63.646(c) **not required at existing sources**	Y	
	EFRT slotted guidepoles to have either an internal float or a pole sleeve?	63.646(c) **not required at existing sources**	Y	
63.646(e)	Exempts existing source from complying with inspection requirements for gaskets, slotted membranes and sleeve seals.		Y	
63.646(f)	Deck openings (wells) other than for vents, drains, or legs to have covers that are kept closed except for access?	63.646(f)(1) **REQUIRED**	Y	
	EFR rim space vents to remain closed except when the pressure setting is exceeded?	63.646(f)(2) **REQUIRED**	Y	
	EFR auto. bleeder vent (vacuum breaker) to be closed except when the deck is landed?	63.646(f)(3) **REQUIRED**	Y	
63.646(g)	**This notes that the failure to perform inspections and required monitoring is a violation of the application standard.**		Y	
63.646(l)	**Notification of Inspections:** Is the State or local authority allowed to waive the notification requirements?	63.646(l) 63.654(h)(2)(i)(C)&(ii) **YES**	Y	

IV. Source-specific Applicable Requirements

Table IV – CK Cluster 26
Source-specific Applicable Requirements
S641 – Tank A-641

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
63.654(g), (h), and (i)	The source only needs to comply with provisions as they relate to existing floating roof tanks.		Y	
63.654(g)	Report of periodic inspections, etc. AFTER documenting initial compliance?	63.654(g) **begin Sept 13, 1999 then semiannual**	Y	
	Periodic Reports: Report of EFR inspection failures to include:	63.654(g)(2) - (4) **date of inspec, identification of tank, description of failure, & date of repair or emptying**	Y	
	Periodic Reports: EFR report to include a prior request for 30-day extension, w/ documentation of need?	63.654(g)(2) - (4) **prior request is not required**	Y	
	Periodic Reports: Additional information to be included if an extension is utilized for an EFR:	63.654(g)(2)(i) 63.654(g)(3)(ii) **document the reason for the extension**	Y	
	Periodic Reports: Report EFR seal gap inspections if there was no out-of-compliance?	63.654(g)(3)(i) **Not required**	Y	
	Periodic Reports: Report EFR seal gap inspections when there is out-of-compliance?	63.654(g)(3)(i) **Required within 60 days after each semiannual period**	Y	
63.654(h)	**Notification of Inspections:** Is 30-day notice required for internal inspections of EFRTs (i.e., prior to filling or refilling); but a 7-day verbal notice acceptable if the event is unplanned?	63.654(h)(2)(i) 63.646(a) 63.120(b)(10) **REQUIRED**	Y	
	Notification of Inspections: Is 30-day notice required prior to EFR seal gap measurements?	63.654(h)(2)(ii) 63.646(a) 63.120(b)(9) **REQUIRED**	Y	
	Report applicability for varying-use tanks?	63.654(h)(6)(ii) **w/the initial NOC Status report**	Y	
	Other (initial) Reports: Report applicability for varying-use tanks?	63.654(h)(6)(ii) **required with the initial Notification of Compliance Status report**	Y	

IV. Source-specific Applicable Requirements

Table IV – CK Cluster 26
Source-specific Applicable Requirements
S641 – Tank A-641

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
63.654(i)	**Applicability records:** Time period for keeping records of applicability determination, unless specified otherwise.	63.654(i)(1) 63.123(a) **Keep record readily accessible for the service life of the tank**	Y	
	Applicability records: Records of dimensions & capacity required for nonexempt tanks?	63.654(i)(1) 63.646(a)&63.119(a)(3) 63.123(a) **Required** **Keep record readily accessible for service life of the tank** *	Y	
	Recordkeeping for inspections: Keep inspection reports as specified.	63.654(i)(1) 63.123(c) - (e) **all inspections**	Y	
	Records of EFR inspection reports:	63.654(i)(1) 63.123(d) **all inspections**	Y	
	Recordkeeping for delayed repairs: When utilizing a delay of repair provision, keep documentation of the reason for the delay.	63.654(i)(1) 63.123 (g) **required**	Y	
	Applicability records: Additional recordkeeping requirements for certain tanks.	63.654(i)(1)(iv) **determination of HAP content** **Keep record readily accessible for service life of the tank**	Y	
BAAQMD Condition # 8517	**Permit Conditions**		Y	
Part 1	Design specifications (basis: Reg. 8-5, cumulative increase)		Y	
Part 2	Requirement to notify the District regarding tank seals (basis: Reg. 8-5, cumulative increase)		Y	
BAAQMD Condition # 19528				
Part 1	Throughput limit (basis: Regulation 2-1-234.3, Regulation 2-1-403 Regulation 2-6-503)		Y	

IV. Source-specific Applicable Requirements

Table IV – CL Cluster 26
Source-specific Applicable Requirements
S33 – Tank A-033, S638 – Tank A-638, S639 – Tank A-639, S640 – Tank A-640, S664 – Tank A-664, S692 – Tank A-692, S708 – Tank A-708, , S710 – Tank A-710, S711 – Tank A-711, S871 Tank A-871

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Reg 8 Rule 5	**Organic Compounds - STORAGE OF ORGANIC LIQUIDS REQUIREMENTS (11/27/02)**		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO	Y	
8-5-111.1.1	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO; 3 day prior notification	Y	
8-5-111.1.2	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO; Telephone notification	Y	
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service; Compliance before notification	Y	
8-5-111.3	Limited Exemption, Tank Removal From and Return to Service; Floating roof tanks - continuous and quick filling, emptying and refilling	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; 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	
8-5-112.1	Limited Exemption, Tanks in Operation; Notice to the APCO	Y	
8-5-112.1.1	Limited Exemption, Tanks in Operation; Notice to the APCO; 3 day prior notification	Y	
8-5-112.1.2	Limited Exemption, Tanks in Operation; Notice to the APCO; Telephone notification	Y	
8-5-112.2	Limited Exemption, Tanks in Operation; Compliance and certification before commencement of work	Y	
8-5-112.3	Limited Exemption, Tanks in Operation; No product movement; minimization of emissions	Y	
8-5-112.4	Limited Exemption, Tanks in Operation; Exemption does not exceed 7 days	Y	
8-5-301	Storage Tank Control Requirements	Y	

IV. Source-specific Applicable Requirements

Table IV – CL Cluster 26
Source-specific Applicable Requirements
S33 – Tank A-033, S638 – Tank A-638, S639 – Tank A-639, S640 – Tank A-640, S664 – Tank A-664, S692 – Tank A-692, S708 – Tank A-708, , S710 – Tank A-710, S711 – Tank A-711, S871 Tank A-871

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
8-5-302	Requirements for Submerged Fill Pipes		Y	
8-5-304	Requirements for External Floating Roofs		Y	
8-5-320	Tank Fitting Requirements		Y	
8-5-321	Primary Seal Requirements		Y	
8-5-322	Secondary Seal Requirements		Y	
8-5-328	Tank Degassing Requirements		Y	
8-5-401	Inspection Requirements for External Floating Roof		Y	
8-5-403	Inspection Requirements for Pressure Vacuum Valves		Y	
8-5-404	Certification		Y	
8-5-405	Information Required		Y	
8-5-501	Records		Y	
8-5-502	Tank Degassing Annual Source Test Requirement		Y	
8-5-503	Portable Hydrocarbon Detector		Y	
Refinery MACT	**NESHAP for Petroleum Refineries** **REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS**		Y	
63.642(e)	**General recordkeeping requirements:** Time period for keeping records, unless specified otherwise.	63.642(e) & 63.654(i)(4) **keep all other records 5 years, retrievable within 24 hr**	Y	
	General recordkeeping requirements: Keep all reports and notification for the specified period of time.	63.642(e) & 63.654(i)(4) **required**	Y	
63.646(a)	**The source only needs to comply with the provisions as they relate to existing external floating roof tanks.**		Y	
	EFR Rim Seals: vapor-mounted primary seal: liquid-mounted primary seal: mechanical-shoe primary seal:	63.646(a) 63.119(c)(1)(i) - (1)(iii) **Not Allowed** **OK with rim-mounted secondary** **OK with rim-mounted secondary**	Y	
	Must vapor-mounted rim seals be continuous on EFRs?	63.646(a) 63.119(c)(1)(iii) **YES**	Y	

IV. Source-specific Applicable Requirements

Table IV – CL Cluster 26
Source-specific Applicable Requirements
S33 – Tank A-033, S638 – Tank A-638, S639 – Tank A-639, S640 – Tank A-640, S664 – Tank A-664, S692 – Tank A-692, S708 – Tank A-708, , S710 – Tank A-710, S711 – Tank A-711, S871 Tank A-871

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	Are EFR rim seals allowed to be pulled back or temporarily removed during inspection?	63.646(a) 63.119(c)(1)(iii) 63.120(b)(4) **YES**	Y	
	EFRT operating requirements: When landing the floating roof on its support legs, is the tank to be emptied & either refilled or degassed AS SOON AS POSSIBLE?	63.646(a) 63.119(c)(3) & (c)(4) **YES**	Y	
	Temporary exemption from operating requirements while the external floating roof is landed on its support legs? *	63.646(a) 63.119(c)(3) **EXEMPT**	Y	
	EFR Internal Inspections: up-close visual inspection of the floating roof, seals, & fittings:	63.646(a) & 63.120(b) **each time the tank is emptied & degassed**	Y	
	EXTENSIONS OF TIME: If EFRT is unsafe to inspect & cannot be emptied within 45 days?	63.646(a) & 63.120(b) **up to 2 extensions of 30 days each, if needed**	Y	
	Notification of Inspections: Are notifications of inspections to demonstrate initial compliance required, For EFR seal gap measurements:	63.646(a) 63.120(b)(1) & (9) **Required-notifications&reports per Ongoing Reports**	Y	
	Seal Gap Measurements: FREQUENCY AFTER INITIAL COMPLIANCE, For the EFR Primary Seal:	63.646(a) 63.120(b)(1)(i) **every 5 years**	Y	
	Seal Gap Measurements: For existing EFRTs in compliance by the compliance date:	63.646(a) 63.120(b)(1)(i) & (iii) **measure gaps of both seals prior to the compliance date**	Y	
	Seal Gap Measurements: For new EFRTs:	63.646(a) 63.120(b)(1)(i) & (iii) **measure gaps of both seals prior to initial fill**	Y	

IV. Source-specific Applicable Requirements

Table IV – CL Cluster 26
Source-specific Applicable Requirements
S33 – Tank A-033, S638 – Tank A-638, S639 – Tank A-639, S640 – Tank A-640, S664 – Tank A-664, S692 – Tank A-692, S708 – Tank A-708, , S710 – Tank A-710, S711 – Tank A-711, S871 Tank A-871

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	Seal Gap Measurements: For affected EFRTs with a mechanical-shoe or liq-mounted primary-only rim seal, prior to installing a secondary seal; PRIOR TO COMPLIANCE: UPON COMPLIANCE:	63.646(a) 63.120(b)(1)(ii) **annual primary seal gap measurements *** 63.646(a) 63.120(b)(1)(ii) **measure gaps of both seals within 90 days**	Y	
	Seal Gap Measurements: FREQUENCY AFTER INITIAL COMPLIANCE, For the EFR Secondary Seal:	63.646(a) 63.120(b)(1)(iii) **annually**	Y	
	Seal Gap Measurements: For EFRTs returned to affected service after 1 yr or more of exempt service:	63.646(a) 63.120(b)(1)(iv) **measure gaps of both seals within 90 days**	Y	
	MEASUREMENT COND'S: Are EFR seal gap measurements to be made with the roof floating?	63.646(a) 63.120(b)(2)(i) **YES**	Y	
	DETERMINATION OF EFR RIM-SEAL GAP AREAS: Presence of a gap determined by inserting a 1/8 in. probe?	63.646(a) 63.120(b)(2)(ii) **YES**	Y	
	DETERMINATION OF EFR RIM-SEAL GAP AREAS: Use probes of various widths to determine the gap area?	63.646(a) 63.120(b)(2)(iii) **YES**	Y	
	DETERMINATION OF EFR RIM-SEAL GAP AREAS: Sum the gap areas & divide by the diameter of the tank?	63.646(a) 63.120(b)(3) & (4) **YES**	Y	
	EFR Primary Seal Gap Inspection Criteria: maximum area: maximum gap width:	63.646(a) 63.120(b)(3) **10 in2 per foot of vessel diameter** **1.5 in.**	Y	

IV. Source-specific Applicable Requirements

Table IV – CL Cluster 26
Source-specific Applicable Requirements
S33 – Tank A-033, S638 – Tank A-638, S639 – Tank A-639, S640 – Tank A-640, S664 – Tank A-664, S692 – Tank A-692, S708 – Tank A-708, , S710 – Tank A-710, S711 – Tank A-711, S871 Tank A-871

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	EFR Secondary Seal Gap Inspection Criteria: maximum area: maximum gap width:	63.646(a) 63.120(b)(4) **1 in2 per foot of** **0.5 in.**	Y	
	Is the metallic shoe of an EFR mechanical-shoe seal required to have its bottom in the liquid and extend at least 24 in. above the liquid?	63.646(a) 63.120(b)(5)(i) **YES**	Y	
	Shall there be no holes, tears, or openings in the EFR seals?	63.646(a) 63.120(b)(5)(ii) & (6)(ii) **YES**	Y	
	UNSAFE CONDITIONS: Delay of EFR seal gap measurements allowed for unsafe conditions? If unable to make safe to measure, must the EFRT be emptied?	63.646(a) 63.120(b)(7)(i) **up to 30 additional days** 63.120(b)(7)(ii) **YES, within 45 days of determining unsafe**	Y	
	EFRT REPAIRS: Time allowed for repair of defects found during in-service inspections of EFRs: If unable to repair, empty the EFRT & remove from service?	63.646(a) 63.120(b)(8) **make repairs within 45 days** 63.120(b)(8) **YES, within 45 days**	Y	
	EXTENSIONS OF TIME: If EFRT defects cannot be repaired & the tank cannot be emptied within 45 days?	63.646(a) 63.120(b)(8) **up to 2 extensions of 30 days each, if needed**	Y	
	Notification of Inspections: Are notifications of inspections to demonstrate initial compliance required, For EFR internal inspections:	63.646(a) 63.120(b)(10) **internal inspection not required for initial compliance**	Y	
	EFRT REPAIRS: Repair of defects if the tank is empty?	63.646(a) 63.120(b)(10)(i) **prior to refilling**	Y	

IV. Source-specific Applicable Requirements

Table IV – CL Cluster 26
Source-specific Applicable Requirements
S33 – Tank A-033, S638 – Tank A-638, S639 – Tank A-639, S640 – Tank A-640, S664 – Tank A-664, S692 – Tank A-692, S708 – Tank A-708, , S710 – Tank A-710, S711 – Tank A-711, S871 Tank A-871

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
63.646(c)	EFR well covers to be gasketed?	63.646(c) **not required at existing sources**	Y	
	EFR vents to be gasketed?	63.646(c) **not required at existing sources**	Y	
	EFR deck openings other than for vents to project into liquid?	63.646(c) **not required at existing sources**	Y	
	EFR access hatch & gauge float well covers to be bolted closed?	63.646(c) **not required at existing sources**	Y	
	EFR emergency roof drains to have seals covering at least 90% of the opening?	63.646(c) **not required at existing sources**	Y	
	EFR guidepole wells to have a deck cover gasket and a pole wiper?	63.646(c) **not required at existing sources**	Y	
	EFRT unslotted guidepoles to have a gasketed cap at the top of the pole?	63.646(c) **not required at existing sources**	Y	
	EFRT slotted guidepoles to have either an internal float or a pole sleeve?	63.646(c) **not required at existing sources**	Y	
63.646(e)	Exempts existing source from complying with inspection requirements for gaskets, slotted membranes and sleeve seals.		Y	
63.646(f)	Deck openings (wells) other than for vents, drains, or legs to have covers that are kept closed except for access?	63.646(f)(1) **REQUIRED**	Y	
	EFR rim space vents to remain closed except when the pressure setting is exceeded?	63.646(f)(2) **REQUIRED**	Y	
	EFR auto. bleeder vent (vacuum breaker) to be closed except when the deck is landed?	63.646(f)(3) **REQUIRED**	Y	
63.646(g)	**This notes that the failure to perform inspections and required monitoring is a violation of the application standard.**		Y	

IV. Source-specific Applicable Requirements

Table IV – CL Cluster 26
Source-specific Applicable Requirements
S33 – Tank A-033, S638 – Tank A-638, S639 – Tank A-639, S640 – Tank A-640, S664 – Tank A-664, S692 – Tank A-692, S708 – Tank A-708, , S710 – Tank A-710, S711 – Tank A-711, S871 Tank A-871

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
63.646(l)	**Notification of Inspections:** Is the State or local authority allowed to waive the notification requirements?	63.646(l) 63.654(h)(2)(i)(C)&(ii) **YES**	Y	
63.654(g), (h), and (i)	The source only needs to comply with provisions as they relate to existing floating roof tanks.		Y	
63.654(g)	Report of periodic inspections, etc. AFTER documenting initial compliance?	63.654(g) **begin Sept 13, 1999 then semiannual**	Y	
	Periodic Reports: Report of EFR inspection failures to include:	63.654(g)(2) - (4) **date of inspec, identification of tank, description of failure, & date of repair or emptying**	Y	
	Periodic Reports: EFR report to include a prior request for 30-day extension, w/ documentation of need?	63.654(g)(2) - (4) **prior request is not required**	Y	
	Periodic Reports: Additional information to be included if an extension is utilized for an EFR:	63.654(g)(2)(i) 63.654(g)(3)(ii) **document the reason for the extension**	Y	
	Periodic Reports: Report EFR seal gap inspections if there was no out-of-compliance?	63.654(g)(3)(i) **Not required**	Y	
	Periodic Reports: Report EFR seal gap inspections when there is out-of-compliance?	63.654(g)(3)(i) **Required within 60 days after each semiannual period**	Y	
63.654(h)	**Notification of Inspections:** Is 30-day notice required for internal inspections of EFRTs (i.e., prior to filling or refilling); but a 7-day verbal notice acceptable if the event is unplanned?	63.654(h)(2)(i) 63.646(a) 63.120(b)(10) **REQUIRED**	Y	

IV. Source-specific Applicable Requirements

Table IV – CL Cluster 26
Source-specific Applicable Requirements
S33 – Tank A-033, S638 – Tank A-638, S639 – Tank A-639, S640 – Tank A-640, S664 – Tank A-664, S692 – Tank A-692, S708 – Tank A-708, , S710 – Tank A-710, S711 – Tank A-711, S871 Tank A-871

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	Notification of Inspections: Is 30-day notice required prior to EFR seal gap measurements?	63.654(h)(2)(ii) 63.646(a) 63.120(b)(9) **REQUIRED**	Y	
	Report applicability for varying-use tanks?	63.654(h)(6)(ii) **w/the initial NOC Status report**	Y	
	Other (initial) Reports: Report applicability for varying-use tanks?	63.654(h)(6)(ii) **required with the initial Notification of Compliance Status report**	Y	
63.654(i)	**Applicability records:** Time period for keeping records of applicability determination, unless specified otherwise.	63.654(i)(1) 63.123(a) **Keep record readily accessible for the service life of the tank**	Y	
	Applicability records: Records of dimensions & capacity required for nonexempt tanks?	63.654(i)(1) 63.646(a)&63.119(a)(3) 63.123(a) **Required** **Keep record readily accessible for service life of the tank ***	Y	
	Recordkeeping for inspections: Keep inspection reports as specified.	63.654(i)(1) 63.123(c) - (e) **all inspections**	Y	
	Records of EFR inspection reports:	63.654(i)(1) 63.123(d) **all inspections**	Y	
	Recordkeeping for delayed repairs: When utilizing a delay of repair provision, keep documentation of the reason for the delay.	63.654(i)(1) 63.123 (g) **required**	Y	
	Applicability records: Additional recordkeeping requirements for certain tanks.	63.654(i)(1)(iv) **determination of HAP content** **Keep record readily accessible for service life of the tank**	Y	
BAAQMD Condition # 8636	**Permit Conditions** S33, S638, S692, S708			
Part 1	Design specifications (basis: Reg. 8-5, cumulative increase)		Y	

IV. Source-specific Applicable Requirements

Table IV – CL Cluster 26
Source-specific Applicable Requirements
S33 – Tank A-033, S638 – Tank A-638, S639 – Tank A-639, S640 – Tank A-640, S664 – Tank A-664, S692 – Tank A-692, S708 – Tank A-708, , S710 – Tank A-710, S711 – Tank A-711, S871 Tank A-871

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 2	Requirement to notify the District regarding tank seals (basis: Reg. 8-5, cumulative increase))	Y	
BAAQMD Condition # 19528			
Part 1	Throughput limit (basis: Regulation 2-1-234.3, Regulation 2-1-403 Regulation 2-6-503)	Y	
BAAQMD Condition # 21393	S871 Tank A-871 only		
Part 1	Througput limit (basis: cumulative increase, toxic risk screen, BACT)	Y	
Part 2	Materials to be stored (basis: Cumulative increase, toxic risk screen)	Y	
Part 3	Startup conditions: report actual fugitive count (basis: cumulative increase, toxic risk screen, offsets)	Y	
Part 4	Records and reporting (basis: cumulative increase, reg 1-441, Reg 8-5-501)	Y	

Table IV – CM Cluster 26
Source-specific Applicable Requirements
S637 – Tank A-637, S7 – Tank A-702

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Reg 8 Rule 5	**Organic Compounds - STORAGE OF ORGANIC LIQUIDS REQUIREMENTS (11/27/02)**		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO	Y	
8-5-111.1.1	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO; 3 day prior notification	Y	
8-5-111.1.2	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO; Telephone notification	Y	

IV. Source-specific Applicable Requirements

Table IV – CM Cluster 26
Source-specific Applicable Requirements
S637 – Tank A-637, S7 – Tank A-702

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service; Compliance before notification	Y	
8-5-111.3	Limited Exemption, Tank Removal From and Return to Service; Floating roof tanks - continuous and quick filling, emptying and refilling	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; 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	
8-5-112.1	Limited Exemption, Tanks in Operation; Notice to the APCO	Y	
8-5-112.1.1	Limited Exemption, Tanks in Operation; Notice to the APCO; 3 day prior notification	Y	
8-5-112.1.2	Limited Exemption, Tanks in Operation; Notice to the APCO; Telephone notification	Y	
8-5-112.2	Limited Exemption, Tanks in Operation; Compliance and certification before commencement of work	Y	
8-5-112.3	Limited Exemption, Tanks in Operation; No product movement; minimization of emissions	Y	
8-5-112.4	Limited Exemption, Tanks in Operation; Exemption does not exceed 7 days	Y	
8-5-301	Storage Tank Control Requirements	Y	
8-5-302	Requirements for Submerged Fill Pipes	Y	
8-5-304	Requirements for External Floating Roofs	Y	
8-5-320	Tank Fitting Requirements	Y	
8-5-321	Primary Seal Requirements	Y	
8-5-322	Secondary Seal Requirements	Y	
8-5-328	Tank Degassing Requirements	Y	
8-5-401	Inspection Requirements for External Floating Roof	Y	
8-5-403	Inspection Requirements for Pressure Vacuum Valves	Y	
8-5-404	Certification	Y	
8-5-405	Information Required	Y	
8-5-501	Records	Y	

IV. Source-specific Applicable Requirements

Table IV – CM Cluster 26
Source-specific Applicable Requirements
S637 – Tank A-637, S7 – Tank A-702

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
8-5-502	Tank Degassing Annual Source Test Requirement		Y	
8-5-503	Portable Hydrocarbon Detector		Y	
Refinery MACT	**NESHAP for Petroleum Refineries** **REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS**		Y	
63.642(e)	**General recordkeeping requirements:** Time period for keeping records, unless specified otherwise.	63.642(e) & 63.654(i)(4) **keep all other records** **5 years,** **retrievable within 24 hr**	Y	
	General recordkeeping requirements: Keep all reports and notification for the specified period of time.	63.642(e) & 63.654(i)(4) **required**	Y	
63.646(a)	**The source only needs to comply with the provisions as they relate to existing external floating roof tanks.**		Y	
	EFR Rim Seals: vapor-mounted primary seal: liquid-mounted primary seal: mechanical-shoe primary seal:	63.646(a) 63.119(c)(1)(i) - (1)(iii) **Not Allowed** **OK with rim-mounted secondary** **OK with rim-mounted secondary**	Y	
	Must vapor-mounted rim seals be continuous on EFRs?	63.646(a) 63.119(c)(1)(iii) **YES**	Y	
	Are EFR rim seals allowed to be pulled back or temporarily removed during inspection?	63.646(a) 63.119(c)(1)(iii) 63.120(b)(4) **YES**	Y	
	EFRT operating requirements: When landing the floating roof on its support legs, is the tank to be emptied & either refilled or degassed AS SOON AS POSSIBLE?	63.646(a) 63.119(c)(3) & (c)(4) **YES**	Y	
	Temporary exemption from operating requirements while the external floating roof is landed on its support legs? *	63.646(a) 63.119(c)(3) **EXEMPT**	Y	

IV. Source-specific Applicable Requirements

Table IV – CM Cluster 26
Source-specific Applicable Requirements
S637 – Tank A-637, S7 – Tank A-702

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	EFR Internal Inspections: up-close visual inspection of the floating roof, seals, & fittings:	63.646(a) & 63.120(b) **each time the tank is emptied & degassed**	Y	
	EXTENSIONS OF TIME: If EFRT is unsafe to inspect & cannot be emptied within 45 days?	63.646(a) & 63.120(b) **up to 2 extensions of 30 days each, if needed**	Y	
	Notification of Inspections: Are notifications of inspections to demonstrate initial compliance required, For EFR seal gap measurements:	63.646(a) 63.120(b)(1) & (9) **Required-notifications&reports per Ongoing Reports**	Y	
	Seal Gap Measurements: FREQUENCY AFTER INITIAL COMPLIANCE, For the EFR Primary Seal:	63.646(a) 63.120(b)(1)(i) **every 5 years**	Y	
	Seal Gap Measurements: For existing EFRTs in compliance by the compliance date:	63.646(a) 63.120(b)(1)(i) & (iii) **measure gaps of both seals prior to the compliance date**	Y	
	Seal Gap Measurements: For new EFRTs:	63.646(a) 63.120(b)(1)(i) & (iii) **measure gaps of both seals prior to initial fill**	Y	
	Seal Gap Measurements: For affected EFRTs with a mechanical-shoe or liq-mounted primary-only rim seal, prior to installing a secondary seal; PRIOR TO COMPLIANCE: UPON COMPLIANCE:	63.646(a) 63.120(b)(1)(ii) **annual primary seal gap measurements** * 63.646(a) 63.120(b)(1)(ii) **measure gaps of both seals within 90 days**	Y	
	Seal Gap Measurements: FREQUENCY AFTER INITIAL COMPLIANCE, For the EFR Secondary Seal:	63.646(a) 63.120(b)(1)(iii) **annually**	Y	
	Seal Gap Measurements: For EFRTs returned to affected service after 1 yr or more of exempt service:	63.646(a) 63.120(b)(1)(iv) **measure gaps of both seals within 90 days**	Y	
	MEASUREMENT COND'S: Are EFR seal gap measurements to be made with the roof floating?	63.646(a) 63.120(b)(2)(i) **YES**	Y	

IV. Source-specific Applicable Requirements

Table IV – CM Cluster 26
Source-specific Applicable Requirements
S637 – Tank A-637, S7 – Tank A-702

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	DETERMINATION OF EFR RIM-SEAL GAP AREAS: Presence of a gap determined by inserting a 1/8 in. probe?	63.646(a) 63.120(b)(2)(ii) **YES**	Y	
	DETERMINATION OF EFR RIM-SEAL GAP AREAS: Use probes of various widths to determine the gap area?	63.646(a) 63.120(b)(2)(iii) **YES**	Y	
	DETERMINATION OF EFR RIM-SEAL GAP AREAS: Sum the gap areas & divide by the diameter of the tank?	63.646(a) 63.120(b)(3) & (4) **YES**	Y	
	EFR Primary Seal Gap Inspection Criteria: maximum area: maximum gap width:	63.646(a) 63.120(b)(3) **10 in2 per foot of vessel diameter** **1.5 in.**	Y	
	EFR Secondary Seal Gap Inspection Criteria: maximum area: maximum gap width:	63.646(a) 63.120(b)(4) **1 in2 per foot of** **0.5 in.**	Y	
	Is the metallic shoe of an EFR mechanical-shoe seal required to have its bottom in the liquid and extend at least 24 in. above the liquid?	63.646(a) 63.120(b)(5)(i) **YES**	Y	
	Shall there be no holes, tears, or openings in the EFR seals?	63.646(a) 63.120(b)(5)(ii) & (6)(ii) **YES**	Y	
	UNSAFE CONDITIONS: Delay of EFR seal gap measurements allowed for unsafe conditions? If unable to make safe to measure, must the EFRT be emptied?	63.646(a) 63.120(b)(7)(i) **up to 30 additional days** 63.120(b)(7)(ii) **YES, within 45 days of determining unsafe**	Y	

IV. Source-specific Applicable Requirements

Table IV – CM Cluster 26
Source-specific Applicable Requirements
S637 – Tank A-637, S7 – Tank A-702

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	EFRT REPAIRS: Time allowed for repair of defects found during in-service inspections of EFRs: If unable to repair, empty the EFRT & remove from service?	63.646(a) 63.120(b)(8) **make repairs within 45 days** 63.120(b)(8) **YES, within 45 days**	Y	
	EXTENSIONS OF TIME: If EFRT defects cannot be repaired & the tank cannot be emptied within 45 days?	63.646(a) 63.120(b)(8) **up to 2 extensions of 30 days each, if needed**	Y	
	Notification of Inspections: Are notifications of inspections to demonstrate initial compliance required, For EFR internal inspections:	63.646(a) 63.120(b)(10) **internal inspection not required for initial compliance**	Y	
	EFRT REPAIRS: Repair of defects if the tank is empty?	63.646(a) 63.120(b)(10)(i) **prior to refilling**	Y	
63.646(c)	EFR well covers to be gasketed?	63.646(c) **not required at existing sources**	Y	
	EFR vents to be gasketed?	63.646(c) **not required at existing sources**	Y	
	EFR deck openings other than for vents to project into liquid?	63.646(c) **not required at existing sources**	Y	
	EFR access hatch & gauge float well covers to be bolted closed?	63.646(c) **not required at existing sources**	Y	
	EFR emergency roof drains to have seals covering at least 90% of the opening?	63.646(c) **not required at existing sources**	Y	
	EFR guidepole wells to have a deck cover gasket and a pole wiper?	63.646(c) **not required at existing sources**	Y	
	EFRT unslotted guidepoles to have a gasketed cap at the top of the pole?	63.646(c) **not required at existing sources**	Y	
	EFRT slotted guidepoles to have either an internal float or a pole sleeve?	63.646(c) **not required at existing sources**	Y	

IV. Source-specific Applicable Requirements

Table IV – CM Cluster 26
Source-specific Applicable Requirements
S637 – Tank A-637, S7 – Tank A-702

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
63.646(e)	Exempts existing source from complying with inspection requirements for gaskets, slotted membranes and sleeve seals.		Y	
63.646(f)	Deck openings (wells) other than for vents, drains, or legs to have covers that are kept closed except for access?	63.646(f)(1) **REQUIRED**	Y	
	EFR rim space vents to remain closed except when the pressure setting is exceeded?	63.646(f)(2) **REQUIRED**	Y	
	EFR auto. bleeder vent (vacuum breaker) to be closed except when the deck is landed?	63.646(f)(3) **REQUIRED**	Y	
63.646(g)	**This notes that the failure to perform inspections and required monitoring is a violation of the application standard.**		Y	
63.646(l)	**Notification of Inspections:** Is the State or local authority allowed to waive the notification requirements?	63.646(l) 63.654(h)(2)(i)(C)&(ii) **YES**	Y	
63.654(g), (h), and (i)	The source only needs to comply with provisions as they relate to existing floating roof tanks.		Y	
63.654(g)	Report of periodic inspections, etc. AFTER documenting initial compliance?	63.654(g) **begin Sept 13, 1999 then semiannual**	Y	
	Periodic Reports: Report of EFR inspection failures to include:	63.654(g)(2) - (4) **date of inspec, identification of tank, description of failure, & date of repair or emptying**	Y	
	Periodic Reports: EFR report to include a prior request for 30-day extension, w/ documentation of need?	63.654(g)(2) - (4) **prior request is not required**	Y	
	Periodic Reports: Additional information to be included if an extension is utilized for an EFR:	63.654(g)(2)(i) 63.654(g)(3)(ii) **document the reason for the extension**	Y	

IV. Source-specific Applicable Requirements

Table IV – CM Cluster 26
Source-specific Applicable Requirements
S637 – Tank A-637, S7 – Tank A-702

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	Periodic Reports: Report EFR seal gap inspections if there was no out-of-compliance?	63.654(g)(3)(i) **Not required**	Y	
	Periodic Reports: Report EFR seal gap inspections when there is out-of-compliance?	63.654(g)(3)(i) **Required within 60 days after each semiannual period**	Y	
63.654(h)	**Notification of Inspections:** Is 30-day notice required for internal inspections of EFRTs (i.e., prior to filling or refilling); but a 7-day verbal notice acceptable if the event is unplanned?	63.654(h)(2)(i) 63.646(a) 63.120(b)(10) **REQUIRED**	Y	
	Notification of Inspections: Is 30-day notice required prior to EFR seal gap measurements?	63.654(h)(2)(ii) 63.646(a) 63.120(b)(9) **REQUIRED**	Y	
	Report applicability for varying-use tanks?	63.654(h)(6)(ii) **w/the initial NOC Status report**	Y	
	Other (initial) Reports: Report applicability for varying-use tanks?	63.654(h)(6)(ii) **required with the initial Notification of Compliance Status report**	Y	
63.654(i)	**Applicability records:** Time period for keeping records of applicability determination, unless specified otherwise.	63.654(i)(1) 63.123(a) **Keep record readily accessible for the service life of the tank**	Y	
	Applicability records: Records of dimensions & capacity required for nonexempt tanks?	63.654(i)(1) 63.646(a)&63.119(a)(3) 63.123(a) **Required Keep record readily accessible for service life of the tank ***	Y	
	Recordkeeping for inspections: Keep inspection reports as specified.	63.654(i)(1) 63.123(c) - (e) **all inspections**	Y	
	Records of EFR inspection reports:	63.654(i)(1) 63.123(d) **all inspections**	Y	

IV. Source-specific Applicable Requirements

Table IV – CM Cluster 26
Source-specific Applicable Requirements
S637 – Tank A-637, S7 – Tank A-702

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	Recordkeeping for delayed repairs: When utilizing a delay of repair provision, keep documentation of the reason for the delay.	63.654(i)(1) 63.123 (g) **required**	Y	
	Applicability records: Additional recordkeeping requirements for certain tanks.	63.654(i)(1)(iv) **determination of HAP content** **Keep record readily accessible for service life of the tank**	Y	
BAAQMD Condition # 19528				
Part 1	Throughput limit (basis: Regulation 2-1-234.3, Regulation 2-1-403 Regulation 2-6-503)		Y	

Table IV – CN Cluster 26
Source-specific Applicable Requirements
S217 – Tank A-217

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Reg 8 Rule 5	**Organic Compounds - STORAGE OF ORGANIC LIQUIDS REQUIREMENTS (11/27/02)**		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO	Y	
8-5-111.1.1	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO; 3 day prior notification	Y	
8-5-111.1.2	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO; Telephone notification	Y	
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service; Compliance before notification	Y	
8-5-111.3	Limited Exemption, Tank Removal From and Return to Service; Floating roof tanks - continuous and quick filling, emptying and refilling	Y	

IV. Source-specific Applicable Requirements

Table IV – CN Cluster 26
Source-specific Applicable Requirements
S217 – Tank A-217

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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; 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	
8-5-112.1	Limited Exemption, Tanks in Operation; Notice to the APCO	Y	
8-5-112.1.1	Limited Exemption, Tanks in Operation; Notice to the APCO; 3 day prior notification	Y	
8-5-112.1.2	Limited Exemption, Tanks in Operation; Notice to the APCO; Telephone notification	Y	
8-5-112.2	Limited Exemption, Tanks in Operation; Compliance and certification before commencement of work	Y	
8-5-112.3	Limited Exemption, Tanks in Operation; No product movement; minimization of emissions	Y	
8-5-112.4	Limited Exemption, Tanks in Operation; Exemption does not exceed 7 days	Y	
8-5-301	Storage Tank Control Requirements	Y	
8-5-302	Requirements for Submerged Fill Pipes	Y	
8-5-304	Requirements for External Floating Roofs	Y	
8-5-320	Tank Fitting Requirements	Y	
8-5-321	Primary Seal Requirements	Y	
8-5-322	Secondary Seal Requirements	Y	
8-5-328	Tank Degassing Requirements	Y	
8-5-401	Inspection Requirements for External Floating Roof	Y	
8-5-403	Inspection Requirements for Pressure Vacuum Valves	Y	
8-5-404	Certification	Y	
8-5-405	Information Required	Y	
8-5-501	Records	Y	
8-5-502	Tank Degassing Annual Source Test Requirement	Y	
8-5-503	Portable Hydrocarbon Detector	Y	
Refinery MACT	**NESHAP for Petroleum Refineries REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS**	Y	

IV. Source-specific Applicable Requirements

Table IV – CN Cluster 26
Source-specific Applicable Requirements
S217 – Tank A-217

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
63.642(e)	**General recordkeeping requirements:** Time period for keeping records, unless specified otherwise.	63.642(e) & 63.654(i)(4) **keep all other records 5 years, retrievable within 24 hr**	Y	
	General recordkeeping requirements: Keep all reports and notification for the specified period of time.	63.642(e) & 63.654(i)(4) **required**	Y	
63.646(a)	**The source only needs to comply with the provisions as they relate to existing external floating roof tanks.**		Y	
	EFR Rim Seals: vapor-mounted primary seal: liquid-mounted primary seal: mechanical-shoe primary seal:	63.646(a) 63.119(c)(1)(i) - (1)(iii) **Not Allowed** **OK with rim-mounted secondary** **OK with rim-mounted secondary**	Y	
	Must vapor-mounted rim seals be continuous on EFRs?	63.646(a) 63.119(c)(1)(iii) **YES**	Y	
	Are EFR rim seals allowed to be pulled back or temporarily removed during inspection?	63.646(a) 63.119(c)(1)(iii) 63.120(b)(4) **YES**	Y	
	EFRT operating requirements: When landing the floating roof on its support legs, is the tank to be emptied & either refilled or degassed AS SOON AS POSSIBLE?	63.646(a) 63.119(c)(3) & (c)(4) **YES**	Y	
	Temporary exemption from operating requirements while the external floating roof is landed on its support legs? *	63.646(a) 63.119(c)(3) **EXEMPT**	Y	
	EFR Internal Inspections: up-close visual inspection of the floating roof, seals, & fittings:	63.646(a) & 63.120(b) **each time the tank is emptied & degassed**	Y	
	EXTENSIONS OF TIME: If EFRT is unsafe to inspect & cannot be emptied within 45 days?	63.646(a) & 63.120(b) **up to 2 extensions of 30 days each, if needed**	Y	

IV. Source-specific Applicable Requirements

Table IV – CN Cluster 26
Source-specific Applicable Requirements
S217 – Tank A-217

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	Notification of Inspections: Are notifications of inspections to demonstrate initial compliance required, For EFR seal gap measurements:	63.646(a) 63.120(b)(1) & (9) **Required-notifications&reports per Ongoing Reports**	Y	
	Seal Gap Measurements: FREQUENCY AFTER INITIAL COMPLIANCE, For the EFR Primary Seal:	63.646(a) 63.120(b)(1)(i) **every 5 years**	Y	
	Seal Gap Measurements: For existing EFRTs in compliance by the compliance date:	63.646(a) 63.120(b)(1)(i) & (iii) **measure gaps of both seals prior to the compliance date**	Y	
	Seal Gap Measurements: For new EFRTs:	63.646(a) 63.120(b)(1)(i) & (iii) **measure gaps of both seals prior to initial fill**	Y	
	Seal Gap Measurements: For affected EFRTs with a mechanical-shoe or liq-mounted primary-only rim seal, prior to installing a secondary seal; PRIOR TO COMPLIANCE: UPON COMPLIANCE:	63.646(a) 63.120(b)(1)(ii) **annual primary seal gap measurements *** 63.646(a) 63.120(b)(1)(ii) **measure gaps of both seals within 90 days**	Y	
	Seal Gap Measurements: FREQUENCY AFTER INITIAL COMPLIANCE, For the EFR Secondary Seal:	63.646(a) 63.120(b)(1)(iii) **annually**	Y	
	Seal Gap Measurements: For EFRTs returned to affected service after 1 yr or more of exempt service:	63.646(a) 63.120(b)(1)(iv) **measure gaps of both seals within 90 days**	Y	
	MEASUREMENT COND'S: Are EFR seal gap measurements to be made with the roof floating?	63.646(a) 63.120(b)(2)(i) **YES**	Y	
	DETERMINATION OF EFR RIM-SEAL GAP AREAS: Presence of a gap determined by inserting a 1/8 in. probe?	63.646(a) 63.120(b)(2)(ii) **YES**	Y	

IV. Source-specific Applicable Requirements

Table IV – CN Cluster 26
Source-specific Applicable Requirements
S217 – Tank A-217

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	DETERMINATION OF EFR RIM-SEAL GAP AREAS: Use probes of various widths to determine the gap area?	63.646(a) 63.120(b)(2)(iii) **YES**	Y	
	DETERMINATION OF EFR RIM-SEAL GAP AREAS: Sum the gap areas & divide by the diameter of the tank?	63.646(a) 63.120(b)(3) & (4) **YES**	Y	
	EFR Primary Seal Gap Inspection Criteria: maximum area: maximum gap width:	63.646(a) 63.120(b)(3) **10 in2 per foot of** **1.5 in.**	Y	
	EFR Secondary Seal Gap Inspection Criteria: maximum area: maximum gap width:	63.646(a) 63.120(b)(4) **1 in2 per foot of vessel diameter** **0.5 in.**	Y	
	Is the metallic shoe of an EFR mechanical-shoe seal required to have its bottom in the liquid and extend at least 24 in. above the liquid?	63.646(a) 63.120(b)(5)(i) **YES**	Y	
	Shall there be no holes, tears, or openings in the EFR seals?	63.646(a) 63.120(b)(5)(ii) & (6)(ii) **YES**	Y	
	UNSAFE CONDITIONS: Delay of EFR seal gap measurements allowed for unsafe conditions? If unable to make safe to measure, must the EFRT be emptied?	63.646(a) 63.120(b)(7)(i) **up to 30 additional days** 63.120(b)(7)(ii) **YES, within 45 days of determining unsafe**	Y	
	EFRT REPAIRS: Time allowed for repair of defects found during in-service inspections of EFRs: If unable to repair, empty the EFRT & remove from service?	63.646(a) 63.120(b)(8) **make repairs within 45 days** 63.120(b)(8) **YES, within 45 days**	Y	

IV. Source-specific Applicable Requirements

Table IV – CN Cluster 26
Source-specific Applicable Requirements
S217 – Tank A-217

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	EXTENSIONS OF TIME: If EFRT defects cannot be repaired & the tank cannot be emptied within 45 days?	63.646(a) 63.120(b)(8) **up to 2 extensions of 30 days each, if needed**	Y	
	Notification of Inspections: Are notifications of inspections to demonstrate initial compliance required, For EFR internal inspections:	63.646(a) 63.120(b)(10) **internal inspection not required for initial compliance**	Y	
	EFRT REPAIRS: Repair of defects if the tank is empty?	63.646(a) 63.120(b)(10)(i) **prior to refilling**	Y	
63.646(c)	EFR well covers to be gasketed?	63.646(c) **not required at existing sources**	Y	
	EFR vents to be gasketed?	63.646(c) **not required at existing sources**	Y	
	EFR deck openings other than for vents to project into liquid?	63.646(c) **not required at existing sources**	Y	
	EFR access hatch & gauge float well covers to be bolted closed?	63.646(c) **not required at existing sources**	Y	
	EFR emergency roof drains to have seals covering at least 90% of the opening?	63.646(c) **not required at existing sources**	Y	
	EFR guidepole wells to have a deck cover gasket and a pole wiper?	63.646(c) **not required at existing sources**	Y	
	EFRT unslotted guidepoles to have a gasketed cap at the top of the pole?	63.646(c) **not required at existing sources**	Y	
	EFRT slotted guidepoles to have either an internal float or a pole sleeve?	63.646(c) **not required at existing sources**	Y	
63.646(e)	Exempts existing source from complying with inspection requirements for gaskets, slotted membranes and sleeve seals.		Y	
63.646(f)	Deck openings (wells) other than for vents, drains, or legs to have covers that are kept closed except for access?	63.646(f)(1) **REQUIRED**	Y	

IV. Source-specific Applicable Requirements

Table IV – CN Cluster 26
Source-specific Applicable Requirements
S217 – Tank A-217

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	EFR rim space vents to remain closed except when the pressure setting is exceeded?	63.646(f)(2) **REQUIRED**	Y	
	EFR auto. bleeder vent (vacuum breaker) to be closed except when the deck is landed?	63.646(f)(3) **REQUIRED**	Y	
63.646(g)	**This notes that the failure to perform inspections and required monitoring is a violation of the application standard.**		Y	
63.646(l)	**Notification of Inspections:** Is the State or local authority allowed to waive the notification requirements?	63.646(l) 63.654(h)(2)(i)(C)&(ii) **YES**	Y	
63.654(g), (h), and (i)	The source only needs to comply with provisions as they relate to existing floating roof tanks.		Y	
63.654(g)	Report of periodic inspections, etc. AFTER documenting initial compliance?	63.654(g) **begin Sept 13, 1999 then semiannual**	Y	
	Periodic Reports: Report of EFR inspection failures to include:	63.654(g)(2) - (4) **date of inspec, identification of tank, description of failure, & date of repair or emptying**	Y	
	Periodic Reports: EFR report to include a prior request for 30-day extension, w/ documentation of need?	63.654(g)(2) - (4) **prior request is not required**	Y	
	Periodic Reports: Additional information to be included if an extension is utilized for an EFR:	63.654(g)(2)(i) 63.654(g)(3)(ii) **document the reason for the extension**	Y	
	Periodic Reports: Report EFR seal gap inspections if there was no out-of-compliance?	63.654(g)(3)(i) **Not required**	Y	
	Periodic Reports: Report EFR seal gap inspections when there is out-of-compliance?	63.654(g)(3)(i) **Required within 60 days after each semiannual period**	Y	

IV. Source-specific Applicable Requirements

Table IV – CN Cluster 26
Source-specific Applicable Requirements
S217 – Tank A-217

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
63.654(h)	**Notification of Inspections:** Is 30-day notice required for internal inspections of EFRTs (i.e., prior to filling or refilling); but a 7-day verbal notice acceptable if the event is unplanned?	63.654(h)(2)(i) 63.646(a) 63.120(b)(10) **REQUIRED**	Y	
	Notification of Inspections: Is 30-day notice required prior to EFR seal gap measurements?	63.654(h)(2)(ii) 63.646(a) 63.120(b)(9) **REQUIRED**	Y	
	Report applicability for varying-use tanks?	63.654(h)(6)(ii) **w/the initial NOC Status report**	Y	
	Other (initial) Reports: Report applicability for varying-use tanks?	63.654(h)(6)(ii) **required with the initial Notification of Compliance Status report**	Y	
63.654(i)	**Applicability records:** Time period for keeping records of applicability determination, unless specified otherwise.	63.654(i)(1) 63.123(a) **Keep record readily accessible for the service life of the tank**	Y	
	Applicability records: Records of dimensions & capacity required for nonexempt tanks?	63.654(i)(1) 63.646(a)&63.119(a)(3) 63.123(a) **Required** **Keep record readily accessible for service life of the tank ***	Y	
	Recordkeeping for inspections: Keep inspection reports as specified.	63.654(i)(1) 63.123(c) - (e) **all inspections**	Y	
	Records of EFR inspection reports:	63.654(i)(1) 63.123(d) **all inspections**	Y	
	Recordkeeping for delayed repairs: When utilizing a delay of repair provision, keep documentation of the reason for the delay.	63.654(i)(1) 63.123 (g) **required**	Y	
	Applicability records: Additional recordkeeping requirements for certain tanks.	63.654(i)(1)(iv) **determination of HAP content** **Keep record readily accessible for service life of the tank**	Y	

IV. Source-specific Applicable Requirements

Table IV – CN Cluster 26
Source-specific Applicable Requirements
S217 – Tank A-217

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Condition # 19528			
Part 1	Throughput limit (basis: Regulation 2-1-234.3, Regulation 2-1-403 Regulation 2-6-503)	Y	

Table IV – CO Cluster 26
Source-specific Applicable Requirements
S135 – Tank A-135

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Reg 8 Rule 5	**Organic Compounds - STORAGE OF ORGANIC LIQUIDS REQUIREMENTS (11/27/02)**		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO	Y	
8-5-111.1.1	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO; 3 day prior notification	Y	
8-5-111.1.2	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO; Telephone notification	Y	
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service; Compliance before notification	Y	
8-5-111.3	Limited Exemption, Tank Removal From and Return to Service; Floating roof tanks - continuous and quick filling, emptying and refilling	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; 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	
8-5-112.1	Limited Exemption, Tanks in Operation; Notice to the APCO	Y	

IV. Source-specific Applicable Requirements

Table IV – CO Cluster 26
Source-specific Applicable Requirements
S135 – Tank A-135

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
8-5-112.1.1	Limited Exemption, Tanks in Operation; Notice to the APCO; 3 day prior notification		Y	
8-5-112.1.2	Limited Exemption, Tanks in Operation; Notice to the APCO; Telephone notification		Y	
8-5-112.2	Limited Exemption, Tanks in Operation; Compliance and certification before commencement of work		Y	
8-5-112.3	Limited Exemption, Tanks in Operation; No product movement; minimization of emissions		Y	
8-5-112.4	Limited Exemption, Tanks in Operation; Exemption does not exceed 7 days		Y	
8-5-301	Storage Tank Control Requirements		Y	
8-5-302	Requirements for Submerged Fill Pipes		Y	
8-5-304	Requirements for External Floating Roofs		Y	
8-5-320	Tank Fitting Requirements		Y	
8-5-321	Primary Seal Requirements		Y	
8-5-322	Secondary Seal Requirements		Y	
8-5-328	Tank Degassing Requirements		Y	
8-5-401	Inspection Requirements for External Floating Roof		Y	
8-5-403	Inspection Requirements for Pressure Vacuum Valves		Y	
8-5-404	Certification		Y	
8-5-405	Information Required		Y	
8-5-501	Records		Y	
8-5-502	Tank Degassing Annual Source Test Requirement		Y	
8-5-503	Portable Hydrocarbon Detector		Y	
Refinery MACT	**NESHAP for Petroleum Refineries REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS**		Y	
63.642(e)	**General recordkeeping requirements:** Time period for keeping records, unless specified otherwise.	63.642(e) & 63.654(i)(4) **keep all other records 5 years, retrievable within 24 hr**	Y	
	General recordkeeping requirements: Keep all reports and notification for the specified period of time.	63.642(e) & 63.654(i)(4) **required**	Y	

IV. Source-specific Applicable Requirements

Table IV – CO Cluster 26
Source-specific Applicable Requirements
S135 – Tank A-135

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
63.646(a)	**The source only needs to comply with the provisions as they relate to existing external floating roof tanks.**		Y	
63.646(a)	**EFR Rim Seals:** vapor-mounted primary seal: liquid-mounted primary seal: mechanical-shoe primary seal:	63.646(a) 63.119(c)(1)(i) - (1)(iii) **Not Allowed** **OK with rim-mounted secondary** **OK with rim-mounted secondary**	Y	
	Must vapor-mounted rim seals be continuous on EFRs?	63.646(a) 63.119(c)(1)(iii) **YES**	Y	
	Are EFR rim seals allowed to be pulled back or temporarily removed during inspection?	63.646(a) 63.119(c)(1)(iii) 63.120(b)(4) **YES**	Y	
	EFRT operating requirements: When landing the floating roof on its support legs, is the tank to be emptied & either refilled or degassed AS SOON AS POSSIBLE?	63.646(a) 63.119(c)(3) & (c)(4) **YES**	Y	
	Temporary exemption from operating requirements while the external floating roof is landed on its support legs? *	63.646(a) 63.119(c)(3) **EXEMPT**	Y	
	EFR Internal Inspections: up-close visual inspection of the floating roof, seals, & fittings:	63.646(a) & 63.120(b) **each time the tank is emptied & degassed**	Y	
	EXTENSIONS OF TIME: If EFRT is unsafe to inspect & cannot be emptied within 45 days?	63.646(a) & 63.120(b) **up to 2 extensions of 30 days each, if needed**	Y	
	Notification of Inspections: Are notifications of inspections to demonstrate initial compliance required, For EFR seal gap measurements:	63.646(a) 63.120(b)(1) & (9) **Required-notifications&reports per Ongoing Reports**	Y	
	Seal Gap Measurements: FREQUENCY AFTER INITIAL COMPLIANCE, For the EFR Primary Seal:	63.646(a) 63.120(b)(1)(i) **every 5 years**	Y	

IV. Source-specific Applicable Requirements

Table IV – CO Cluster 26
Source-specific Applicable Requirements
S135 – Tank A-135

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	Seal Gap Measurements: For existing EFRTs in compliance by the compliance date:	63.646(a) 63.120(b)(1)(i) & (iii) **measure gaps of both seals prior to the compliance date**	Y	
	Seal Gap Measurements: For new EFRTs:	63.646(a) 63.120(b)(1)(i) & (iii) **measure gaps of both seals prior to initial fill**	Y	
	Seal Gap Measurements: For affected EFRTs with a mechanical-shoe or liq-mounted primary-only rim seal, prior to installing a secondary seal; PRIOR TO COMPLIANCE: UPON COMPLIANCE:	63.646(a) 63.120(b)(1)(ii) **annual primary seal gap measurements** * 63.646(a) 63.120(b)(1)(ii) **measure gaps of both seals within 90 days**	Y	
	Seal Gap Measurements: FREQUENCY AFTER INITIAL COMPLIANCE, For the EFR Secondary Seal:	63.646(a) 63.120(b)(1)(iii) **annually**	Y	
	Seal Gap Measurements: For EFRTs returned to affected service after 1 yr or more of exempt service:	63.646(a) 63.120(b)(1)(iv) **measure gaps of both seals within 90 days**	Y	
	MEASUREMENT COND'S: Are EFR seal gap measurements to be made with the roof floating?	63.646(a) 63.120(b)(2)(i) **YES**	Y	
	DETERMINATION OF EFR RIM-SEAL GAP AREAS: Presence of a gap determined by inserting a 1/8 in. probe?	63.646(a) 63.120(b)(2)(ii) **YES**	Y	
	DETERMINATION OF EFR RIM-SEAL GAP AREAS: Use probes of various widths to determine the gap area?	63.646(a) 63.120(b)(2)(iii) **YES**	Y	
	DETERMINATION OF EFR RIM-SEAL GAP AREAS: Sum the gap areas & divide by the diameter of the tank?	63.646(a) 63.120(b)(3) & (4) **YES**	Y	

IV. Source-specific Applicable Requirements

Table IV – CO Cluster 26
Source-specific Applicable Requirements
S135 – Tank A-135

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	EFR Primary Seal Gap Inspection Criteria: maximum area: maximum gap width:	63.646(a) 63.120(b)(3) **10 in2 per foot of vessel diameter** **1.5 in.**	Y	
	EFR Secondary Seal Gap Inspection Criteria: maximum area: maximum gap width:	63.646(a) 63.120(b)(4) **1 in2 per foot of vessel diameter** **0.5 in.**	Y	
	Is the metallic shoe of an EFR mechanical-shoe seal required to have its bottom in the liquid and extend at least 24 in. above the liquid?	63.646(a) 63.120(b)(5)(i) **YES**	Y	
	Shall there be no holes, tears, or openings in the EFR seals?	63.646(a) 63.120(b)(5)(ii) & (6)(ii) **YES**	Y	
	UNSAFE CONDITIONS: Delay of EFR seal gap measurements allowed for unsafe conditions? If unable to make safe to measure, must the EFRT be emptied?	63.646(a) 63.120(b)(7)(i) **up to 30 additional days** 63.120(b)(7)(ii) **YES, within 45 days of determining unsafe**	Y	
	EFRT REPAIRS: Time allowed for repair of defects found during in-service inspections of EFRs: If unable to repair, empty the EFRT & remove from service?	63.646(a) 63.120(b)(8) **make repairs within 45 days** 63.120(b)(8) **YES, within 45 days**	Y	
	EXTENSIONS OF TIME: If EFRT defects cannot be repaired & the tank cannot be emptied within 45 days?	63.646(a) 63.120(b)(8) **up to 2 extensions of 30 days each, if needed**	Y	
	Notification of Inspections: Are notifications of inspections to demonstrate initial compliance required, For EFR internal inspections:	63.646(a) 63.120(b)(10) **internal inspection not required for initial compliance**	Y	

IV. Source-specific Applicable Requirements

Table IV – CO Cluster 26
Source-specific Applicable Requirements
S135 – Tank A-135

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	EFRT REPAIRS: Repair of defects if the tank is empty?	63.646(a) 63.120(b)(10)(i) **prior to refilling**	Y	
63.646(c)	EFR well covers to be gasketed?	63.646(c) **not required at existing sources**	Y	
	EFR vents to be gasketed?	63.646(c) **not required at existing sources**	Y	
	EFR deck openings other than for vents to project into liquid?	63.646(c) **not required at existing sources**	Y	
	EFR access hatch & gauge float well covers to be bolted closed?	63.646(c) **not required at existing sources**	Y	
	EFR emergency roof drains to have seals covering at least 90% of the opening?	63.646(c) **not required at existing sources**	Y	
	EFR guidepole wells to have a deck cover gasket and a pole wiper?	63.646(c) **not required at existing sources**	Y	
	EFRT unslotted guidepoles to have a gasketed cap at the top of the pole?	63.646(c) **not required at existing sources**	Y	
	EFRT slotted guidepoles to have either an internal float or a pole sleeve?	63.646(c) **not required at existing sources**	Y	
63.646(e)	Exempts existing source from complying with inspection requirements for gaskets, slotted membranes and sleeve seals.		Y	
63.646(f)	Deck openings (wells) other than for vents, drains, or legs to have covers that are kept closed except for access?	63.646(f)(1) **REQUIRED**	Y	
	EFR rim space vents to remain closed except when the pressure setting is exceeded?	63.646(f)(2) **REQUIRED**	Y	
	EFR auto. bleeder vent (vacuum breaker) to be closed except when the deck is landed?	63.646(f)(3) **REQUIRED**	Y	
63.646(g)	**This notes that the failure to perform inspections and required monitoring is a violation of the application standard.**		Y	

IV. Source-specific Applicable Requirements

Table IV – CO Cluster 26
Source-specific Applicable Requirements
S135 – Tank A-135

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
63.646(l)	**Notification of Inspections:** Is the State or local authority allowed to waive the notification requirements?	63.646(l) 63.654(h)(2)(i)(C)&(ii) **YES**	Y	
63.654(g), (h), and (i)	The source only needs to comply with provisions as they relate to existing floating roof tanks.		Y	
63.654(g)	Report of periodic inspections, etc. AFTER documenting initial compliance?	63.654(g) **begin Sept 13, 1999 then semiannual**	Y	
	Periodic Reports: Report of EFR inspection failures to include:	63.654(g)(2) - (4) **date of inspec, identification of tank, description of failure, & date of repair or emptying**	Y	
	Periodic Reports: EFR report to include a prior request for 30-day extension, w/ documentation of need?	63.654(g)(2) - (4) **prior request is not required**	Y	
	Periodic Reports: Additional information to be included if an extension is utilized for an EFR:	63.654(g)(2)(i) 63.654(g)(3)(ii) **document the reason for the extension**	Y	
	Periodic Reports: Report EFR seal gap inspections if there was no out-of-compliance?	63.654(g)(3)(i) **Not required**	Y	
	Periodic Reports: Report EFR seal gap inspections when there is out-of-compliance?	63.654(g)(3)(i) **Required within 60 days after each semiannual period**	Y	
63.654(h)	**Notification of Inspections:** Is 30-day notice required for internal inspections of EFRTs (i.e., prior to filling or refilling); but a 7-day verbal notice acceptable if the event is unplanned?	63.654(h)(2)(i) 63.646(a) 63.120(b)(10) **REQUIRED**	Y	
	Notification of Inspections: Is 30-day notice required prior to EFR seal gap measurements?	63.654(h)(2)(ii) 63.646(a) 63.120(b)(9) **REQUIRED**	Y	
	Report applicability for varying-use tanks?	63.654(h)(6)(ii) **w/the initial NOC Status report**	Y	

IV. Source-specific Applicable Requirements

Table IV – CO Cluster 26
Source-specific Applicable Requirements
S135 – Tank A-135

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	Other (initial) Reports: Report applicability for varying-use tanks?	63.654(h)(6)(ii) **required with the initial Notification of Compliance Status report**	Y	
63.654(i)	**Applicability records:** Time period for keeping records of applicability determination, unless specified otherwise.	63.654(i)(1) 63.123(a) **Keep record readily accessible for the service life of the tank**	Y	
	Applicability records: Records of dimensions & capacity required for nonexempt tanks?	63.654(i)(1) 63.646(a)&63.119(a)(3) 63.123(a) **Required Keep record readily accessible for service life of the tank ***	Y	
	Recordkeeping for inspections: Keep inspection reports as specified.	63.654(i)(1) 63.123(c) - (e) **all inspections**	Y	
	Records of EFR inspection reports:	63.654(i)(1) 63.123(d) **all inspections**	Y	
	Recordkeeping for delayed repairs: When utilizing a delay of repair provision, keep documentation of the reason for the delay.	63.654(i)(1) 63.123 (g) **required**	Y	
	Applicability records: Additional recordkeeping requirements for certain tanks.	63.654(i)(1)(iv) **determination of HAP content Keep record readily accessible for service life of the tank**	Y	
BAAQMD Condition # 8636	**Permit Conditions**			
Part 1	Design specifications (basis: Reg. 8-5, cumulative increase)		Y	
Part 2	Requirement to notify the District regarding tank seals (basis: Reg. 8-5, cumulative increase))		Y	
BAAQMD Condition # 19528				
Part 1	Throughput limit (basis: Regulation 2-1-234.3, Regulation 2-1-403 Regulation 2-6-503)		Y	

IV. Source-specific Applicable Requirements

~~Table IV – CP Cluster 26~~
~~Source-specific Applicable Requirements~~
~~S428 – Tank A-428~~

~~Applicable Requirement~~	~~Regulation Title or Description of Requirement~~	~~Federally Enforceable (Y/N)~~	~~Future Effective Date~~
~~BAAQMD Reg 8 Rule 5~~	~~Organic Compounds - STORAGE OF ORGANIC LIQUIDS REQUIREMENTS (11/27/02)~~		
~~8-5-111~~	~~Limited Exemption, Tank Removal From and Return to Service~~	~~Y~~	
~~8-5-111.1~~	~~Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO~~	~~Y~~	
~~8-5-111.1.1~~	~~Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO; 3-day prior notification~~	~~Y~~	
~~8-5-111.1.2~~	~~Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO; Telephone notification~~	~~Y~~	
~~8-5-111.2~~	~~Limited Exemption, Tank Removal From and Return to Service; Compliance before notification~~	~~Y~~	
~~8-5-111.3~~	~~Limited Exemption, Tank Removal From and Return to Service; Floating roof tanks – continuous and quick filling, emptying and refilling~~	~~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; 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~~	
~~8-5-112.1~~	~~Limited Exemption, Tanks in Operation; Notice to the APCO~~	~~Y~~	
~~8-5-112.1.1~~	~~Limited Exemption, Tanks in Operation; Notice to the APCO; 3-day prior notification~~	~~Y~~	
~~8-5-112.1.2~~	~~Limited Exemption, Tanks in Operation; Notice to the APCO; Telephone notification~~	~~Y~~	
~~8-5-112.2~~	~~Limited Exemption, Tanks in Operation; Compliance and certification before commencement of work~~	~~Y~~	
~~8-5-112.3~~	~~Limited Exemption, Tanks in Operation; No product movement; minimization of emissions~~	~~Y~~	
~~8-5-112.4~~	~~Limited Exemption, Tanks in Operation; Exemption does not exceed 7 days~~	~~Y~~	
~~8-5-301~~	~~Storage Tank Control Requirements~~	~~Y~~	
~~8-5-302~~	~~Requirements for Submerged Fill Pipes~~	~~Y~~	

IV. Source-specific Applicable Requirements

~~Table IV – CP Cluster 26~~
~~Source-specific Applicable Requirements~~
~~S428 – Tank A-428~~

~~Applicable Requirement~~	~~Regulation Title or Description of Requirement~~		~~Federally Enforceable (Y/N)~~	~~Future Effective Date~~
~~8-5-304~~	~~Requirements for External Floating Roofs~~		~~Y~~	
~~8-5-320~~	~~Tank Fitting Requirements~~		~~Y~~	
~~8-5-321~~	~~Primary Seal Requirements~~		~~Y~~	
~~8-5-322~~	~~Secondary Seal Requirements~~		~~Y~~	
~~8-5-328~~	~~Tank Degassing Requirements~~		~~Y~~	
~~8-5-401~~	~~Inspection Requirements for External Floating Roof~~		~~Y~~	
~~8-5-403~~	~~Inspection Requirements for Pressure Vacuum Valves~~		~~Y~~	
~~8-5-404~~	~~Certification~~		~~Y~~	
~~8-5-405~~	~~Information Required~~		~~Y~~	
~~8-5-501~~	~~Records~~		~~Y~~	
~~8-5-502~~	~~Tank Degassing Annual Source Test Requirement~~		~~Y~~	
~~8-5-503~~	~~Portable Hydrocarbon Detector~~		~~Y~~	
~~Refinery MACT~~	**~~NESHAP for Petroleum Refineries~~** **~~REQUIREMENTS FOR TANKS ALSO SUBJECT TO NSPS Kb~~**		**~~Y~~**	
~~63.640(n)~~	~~Which rule governs for storage vessels subject to both Refinery MACT and NSPS subpart Kb?~~	~~63.640(n)(1)~~ **~~NSPS subpart Kb~~**	~~Y~~	
	~~Does Refinery MACT provide for EFR secondary seals to be pulled back or temporarily removed during NSPS Kb inspections of the primary seal?~~	~~63.640(n)(8)(i)~~ **~~YES~~**	~~Y~~	
	~~Does Refinery MACT provide for delay of NSPS Kb seal gap measurements due to unsafe conditions?~~	~~63.640(n)(8)(ii)~~ **~~YES – up to 30 days, or empty the tank within 45 days~~**	~~Y~~	
	~~Does Refinery MACT provide for extensions of time to perform NSPS Kb inspections of unsafe tanks?~~	~~63.640(n)(8)(iii)~~ **~~YES – up to 2 extensions of 30 days each~~**	~~Y~~	
	~~Does Refinery MACT provide for extensions of time to repair defects found during NSPS Kb inspections?~~	~~63.640(n)(8)(iii)~~ **~~YES – up to 2 extensions of 30 days each~~**	~~Y~~	
	~~Does Refinery MACT provide for waiving the NSPS Kb prior-request requirement for extensions of time?~~	~~63.640(n)(8)(iii)~~ **~~YES~~**	~~Y~~	

IV. Source-specific Applicable Requirements

~~Table IV – CP Cluster 26~~
~~Source-specific Applicable Requirements~~
~~S428 – Tank A-428~~

~~Applicable Requirement~~	~~Regulation Title or Description of Requirement~~		~~Federally Enforceable (Y/N)~~	~~Future Effective Date~~
	~~Does Refinery MACT provide for submitting NSPS Kb documentation of the need for an extension with the next semi-annual periodic report?~~	~~63.640(n)(8)(iv)~~ ~~**YES**~~	~~Y~~	
	~~Does Refinery MACT provide for submitting reports of NSPS Kb inspection failures on the semi-annual periodic report schedule?~~	~~63.640(n)(8)(v)~~ ~~**YES**~~	~~Y~~	
	~~Does Refinery MACT provide for not reporting the results of NSPS Kb inspections when there was no out-of-compliance (i.e. recordkeeping only)?~~	~~63.640(n)(8)(vi)~~ ~~**YES**~~	~~Y~~	
~~**NSPS Subpart Kb**~~	~~**Volatile Organic Liquid Storage Vessels**~~ ~~**REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS**~~		~~Y~~	
~~60.112b(a)(2)~~	~~**EFR Rim Seals:**~~ ~~vapor-mounted primary seal:~~ ~~liquid-mounted primary seal:~~ ~~mechanical-shoe primary seal:~~	~~60.112b(a)(2)(i)~~ ~~**Not Allowed**~~ ~~**OK with rim-mounted secondary**~~ ~~**OK with rim-mounted secondary**~~	~~Y~~	
	~~Must vapor-mounted rim seals be continuous on EFRs?~~	~~60.112b(a)(2)(i)(B)~~ ~~**YES**~~	~~Y~~	
	~~Deck openings (wells) other than for vents, drains, or legs to have covers that are kept closed except for access?~~	~~60.112b(a)(2)(ii)~~ ~~**REQUIRED ***~~	~~Y~~	
	~~EFR well covers to be gasketed?~~	~~60.112b(a)(2)(ii)~~ ~~**REQUIRED**~~	~~Y~~	
	~~EFR vents to be gasketed?~~	~~60.112b(a)(2)(ii)~~ ~~**REQUIRED**~~	~~Y~~	
	~~EFR deck openings other than for vents to project into liquid?~~	~~60.112b(a)(2)(ii)~~ ~~**REQUIRED**~~	~~Y~~	
	~~EFR rim space vents to remain closed except when the pressure setting is exceeded?~~	~~60.112b(a)(2)(ii)~~ ~~**REQUIRED**~~	~~Y~~	
	~~EFR auto. bleeder vent (vacuum breaker) to be closed except when the deck is landed?~~	~~60.112b(a)(2)(ii)~~ ~~**REQUIRED**~~	~~Y~~	

IV. Source-specific Applicable Requirements

~~Table IV – CP Cluster 26~~
~~Source-specific Applicable Requirements~~
~~S428 – Tank A-428~~

~~Applicable Requirement~~	~~Regulation Title or Description of Requirement~~		~~Federally Enforceable (Y/N)~~	~~Future Effective Date~~
	~~EFR emergency roof drains to have seals covering at least 90% of the opening?~~	~~60.112b(a)(2)(ii)~~ ~~**REQUIRED**~~	~~Y~~	
	~~EFR guidepole wells to have a deck cover gasket and a pole wiper?~~	~~60.112b(a)(2)(ii)~~ ~~**guidepole requirements are specified in FR notices**~~ ~~65 FR 2336 (01/14/00)~~ ~~65 FR 19891(04/13/00)~~	~~Y~~	
	~~EFRT unslotted guidepoles to have a gasketed cap at the top of the pole?~~	~~60.112b(a)(2)(ii)~~ ~~**Required per FR notices**~~ ~~65 FR 2336 (01/14/00)~~ ~~65 FR 19891(04/13/00)~~	~~Y~~	
	~~EFRT slotted guidepoles to have either an internal float or a pole sleeve?~~	~~60.112b(a)(2)(ii)~~ ~~**Required per FR notices**~~ ~~65 FR 2336 (01/14/00)~~ ~~65 FR 19891(04/13/00)~~	~~Y~~	
	~~**EFRT operating requirements:** When landing the floating roof on its support legs, is the tank to be emptied & either refilled or degassed AS SOON AS POSSIBLE?~~	~~60.112b(a)(2)(iii)~~ ~~**YES**~~	~~Y~~	
	~~Temporary exemption from operating requirements while the external floating roof is landed on its support legs? *~~	~~60.112b(a)(2)(iii)~~ ~~**EXEMPT**~~	~~Y~~	
~~60.113b(b)~~	~~UNSAFE CONDITIONS: Delay of EFR seal gap measurements allowed for unsafe conditions?~~	~~60.113b(b)(1)~~ ~~**not addressed ***~~		
	~~If unable to make safe to measure, must the EFRT be emptied?~~	~~60.113b(b)(1)~~ ~~**not addressed ***~~	~~Y~~	
	~~EXTENSIONS OF TIME: If EFRT is unsafe to inspect & cannot be emptied within 45 days?~~	~~60.113b(b)(1)~~ ~~**not addressed ***~~	~~Y~~	
	~~**Notification of Inspections:** Are notifications of inspections to demonstrate initial compliance required, For EFR seal gap measurements:~~	~~60.113b(b)(1) & (5)~~ ~~**Required notifications&reports per Ongoing Reports**~~	~~Y~~	

IV. Source-specific Applicable Requirements

~~Table IV – CP Cluster 26~~
~~Source-specific Applicable Requirements~~
~~S428 – Tank A-428~~

~~Applicable Requirement~~	~~Regulation Title or Description of Requirement~~		~~Federally Enforceable (Y/N)~~	~~Future Effective Date~~
	~~**Seal Gap Measurements:** FREQUENCY AFTER INITIAL COMPLIANCE, For the EFR Primary Seal:~~	~~60.113b(b)(1)(i)~~ ~~**every 5 years**~~	~~Y~~	
	~~**Seal Gap Measurements:** For new EFRTs:~~	~~60.113b(b)(1)(i) &(ii)~~ ~~**measure gaps of both seals within 60 days after initial fill**~~	~~Y~~	
	~~**Seal Gap Measurements:** FREQUENCY AFTER INITIAL COMPLIANCE, For the EFR Secondary Seal:~~	~~60.113b(b)(1)(ii)~~ ~~**annually**~~	~~Y~~	
	~~**Seal Gap Measurements:** For EFRTs returned to affected service after 1 yr or more of exempt service:~~	~~60.113b(b)(1)(iii)~~ ~~**measure gaps of both seals within 60 days**~~	~~Y~~	
	~~MEASUREMENT COND'S: Are EFR seal gap measurements to be made with the roof floating?~~	~~60.113b(b)(2)(i)~~ ~~**YES**~~	~~Y~~	
	~~DETERMINATION OF EFR RIM-SEAL GAP AREAS: Presence of a gap determined by inserting a 1/8 in. probe?~~	~~60.113b(b)(2)(ii)~~ ~~**YES**~~	~~Y~~	
	~~DETERMINATION OF EFR RIM-SEAL GAP AREAS: Use probes of various widths to determine the gap area?~~	~~60.113b(b)(2)(iii)~~ ~~**YES**~~	~~Y~~	
	~~DETERMINATION OF EFR RIM-SEAL GAP AREAS: Sum the gap areas & divide by the diameter of the tank?~~	~~60.113b(b)(3)~~ ~~**YES**~~	~~Y~~	
	~~EFRT REPAIRS: Time allowed for repair of defects found during in-service inspections of EFRs:~~ ~~If unable to repair, empty the EFRT & remove from service?~~	~~60.113b(b)(4)~~ ~~**make repairs within 45 days**~~ ~~60.113b(b)(4)~~ ~~**YES, within 45 days**~~	~~Y~~	
	~~**EFR Primary Seal Gap Inspection Criteria:** maximum area:~~ ~~maximum gap width:~~	~~60.113b(b)(4)(i)~~ ~~**10 in2 per foot of vessel diameter**~~ ~~**1.5 in.**~~	~~Y~~	

IV. Source-specific Applicable Requirements

~~Table IV – CP Cluster 26~~
~~Source-specific Applicable Requirements~~
~~S428 – Tank A-428~~

~~Applicable Requirement~~	~~Regulation Title or Description of Requirement~~		~~Federally Enforceable (Y/N)~~	~~Future Effective Date~~
	~~Shall there be no holes, tears, or openings in the EFR seals?~~	~~60.113b(b)(4)(i) & (ii)~~ ~~**YES**~~	~~Y~~	
	~~Is the metallic shoe of an EFR mechanical-shoe seal required to have its bottom in the liquid and extend at least 24 in. above the liquid?~~	~~60.113b(b)(4)(i)(A)~~ ~~**YES**~~	~~Y~~	
	~~**EFR Secondary Seal Gap Inspection Criteria:**~~ ~~maximum area:~~ ~~maximum gap width:~~	~~60.113b(b)(4)(ii)(B)~~ ~~**1 in2 per foot of vessel diameter**~~ ~~**0.5 in.**~~	~~Y~~	
	~~Are EFR rim seals allowed to be pulled back or temporarily removed during inspection?~~	~~60.113b(b)(4)(ii)(B)~~ ~~**not addressed** *~~	~~Y~~	
	~~EXTENSIONS OF TIME:~~ ~~If EFRT defects cannot be repaired & the tank cannot be emptied within 45 days?~~	~~60.113b(b)(4)(iii)~~ ~~**1 extension of 30 days, if needed** *~~	~~Y~~	
	~~**Periodic Reports:**~~ ~~EFR report to include a prior request for 30-day extension, w/ documentation of need?~~	~~60.113b(b)(4)(iii)~~ ~~**required** *~~	~~Y~~	
	~~**Periodic Reports:**~~ ~~Additional information to be included if an extension is utilized for an EFR:~~	~~60.113b(b)(4)(iii)~~ ~~**document the reason for the extension** *~~	~~Y~~	
	~~**Notification of Inspections:**~~ ~~Is 30-day notice required prior to EFR seal gap measurements?~~	~~60.113b(b)(5)~~ ~~**REQUIRED**~~	~~Y~~	
	~~**EFR Internal Inspections:** up-close visual inspection of the floating roof, seals, & fittings:~~	~~60.113b(b)(6)~~ ~~**each time the tank is emptied & degassed**~~	~~Y~~	
	~~**Notification of Inspections:**~~ ~~Are notifications of inspections to demonstrate initial compliance required,~~ ~~For EFR internal inspections:~~	~~60.113b(b)(6)~~ ~~**internal inspection not required for initial compliance**~~	~~Y~~	
	~~EFRT REPAIRS:~~ ~~Repair of defects if the tank is empty?~~	~~60.113b(b)(6)(i)~~ ~~**prior to refilling**~~	~~Y~~	

IV. Source-specific Applicable Requirements

~~Table IV – CP Cluster 26~~
~~Source-specific Applicable Requirements~~
~~S428 – Tank A-428~~

~~Applicable Requirement~~	~~Regulation Title or Description of Requirement~~		~~Federally Enforceable (Y/N)~~	~~Future Effective Date~~
	~~**Notification of Inspections:** Is 30-day notice required for internal inspections of EFRTs (i.e., prior to filling or refilling); but a 7-day verbal notice acceptable if the event is unplanned?~~	~~60.113b(b)(6)(ii)~~ ~~**REQUIRED**~~	~~Y~~	
~~60.115b~~	~~**Recordkeeping for inspections:** Keep inspection reports as specified.~~	~~60.115b~~ ~~**Keep for at least 5 years**~~	~~Y~~	
~~60.115b(b)(2)-(5)~~	~~**Periodic Reports:** Report EFR seal gap inspections if there was no out-of-compliance?~~	~~60.115b(b)(2)~~ ~~**Required within 60 days of inspection ***~~	~~Y~~	
	~~Records of EFR inspection reports:~~	~~60.115b(b)(3)~~ ~~**EFR seal gap measurements**~~	~~Y~~	
	~~**Periodic Reports:** Report EFR seal gap inspections when there is out-of-compliance?~~	~~60.115b(b)(4)~~ ~~**Required within 30 days of inspection ***~~	~~Y~~	
	~~**Periodic Reports:** Report of EFR inspection failures to include:~~	~~60.115b(b)(4)~~ ~~**date of inspec, identification of tank, description of failure, & date of repair or emptying**~~	~~Y~~	
~~60.116b(a)~~	~~**Applicability records:** Time period for keeping records of applicability determination, unless specified otherwise.~~	~~60.116b(a)~~ ~~**Keep for at least 5 years except as required by** 60.116b(b)~~	~~Y~~	
~~60.116b(b)~~	~~**Applicability records:** Records of dimensions & capacity required for nonexempt tanks?~~	~~60.116b(b)~~ ~~**Required**~~ ~~**Keep record readily accessible for the life of the tank**~~	~~Y~~	
~~60.116b(c)~~	~~**Applicability records:** Additional recordkeeping requirements for certain tanks.~~	~~60.116b(c)~~ ~~**identification & TVP of the stored product, if capacity ≥ 20,000 gallons. and TVP ≥ 2.2, OR capacity ≥ 40,000 gallons. and TVP ≥ 0.51**~~ ~~**Keep record as long as the tank is in that service**~~	~~Y~~	

IV. Source-specific Applicable Requirements

~~Table IV – CP Cluster 26~~
~~Source-specific Applicable Requirements~~
~~S428 – Tank A-428~~

~~Applicable Requirement~~	~~Regulation Title or Description of Requirement~~		~~Federally Enforceable (Y/N)~~	~~Future Effective Date~~
~~60.116b(e)~~	~~**True vapor pressure (TVP) determination for applicability:**~~	~~60.116b(e)~~ ~~**maximum TVP of the stored liquid, based on highest calendar month average storage temperature**~~	~~Y~~	
~~**NSPS Subpart A**~~	~~**New Source Performance Standards GENERAL PROVISIONS**~~		~~Y~~	
~~60.7(a)~~	~~**Initial Notification:**~~ ~~Is initial notification of the source's existence required?~~	~~60.7(a)(1)~~ ~~**notification within 30 days after begin construction**~~	~~Y~~	
	~~Report (document) having initially achieved compliance?~~	~~60.7(a)(3)~~ ~~60.115b(a)(1) & (b)(1)~~ ~~**within 15 days after initial fill**~~	~~Y~~	
	~~**Notification of Compliance Status report:**~~	~~60.7(a)(3) [cf. 60.115b(a)(1)&(b)(1)]~~ ~~**notification within 15 days after startup**~~	~~Y~~	
	~~**Initial Notification:**~~ ~~Is initial notification required if tank becomes affected only as a result of a modification?~~	~~60.7(a)(4)~~ ~~**notification 60 days or as soon as practicable before the change**~~	~~Y~~	
~~60.7(f)~~	~~**General recordkeeping requirements:**~~ ~~Time period for keeping records, unless specified otherwise.~~	~~60.7(f)~~ ~~**Keep all reports & notifications for 2 years**~~	~~Y~~	
	~~**General recordkeeping requirements:**~~ ~~Keep all reports and notification for the specified period of time.~~	~~60.7(f)~~ ~~**required**~~	~~Y~~	
~~60.14(g)~~	~~Achieve compliance for: New Tanks (or tanks that become affected as a result of a change or modification)?~~	~~60.14(g)~~ ~~**up to 180 days after modifications (otherwise prior to fill)**~~	~~Y~~	
~~**NESHAPS Title 40 Part 61 Subpart FF**~~	~~**NESHAPS, Benzene Waste Operations (01/07/1993)**~~			
~~40 CFR 61.340(a)~~	~~Applicability: Chemical Manufacturing, Coke by-product recovery, petroleum refineries~~		~~Y~~	
~~40 CFR 61.350~~	~~Delay of repair~~		~~Y~~	
~~40 CFR 61.350(a)~~	~~Delay of Repair: Allowed if technically impossible without complete or partial facility or unit shutdown.~~		~~Y~~	

IV. Source-specific Applicable Requirements

~~Table IV – CP Cluster 26~~
~~Source-specific Applicable Requirements~~
~~S428 – Tank A-428~~

~~Applicable Requirement~~	~~Regulation Title or Description of Requirement~~	~~Federally Enforceable (Y/N)~~	~~Future Effective Date~~
~~40 CFR 61.350(b)~~	~~Delay of Repair: Repair shall occur before the end of the next facility or unit shutdown~~	~~Y~~	
~~40 CFR 61.351~~	~~Alternative standards for tanks~~	~~Y~~	
~~40 CFR 61.351(a)~~	~~As an alternative to 61.343, an owner or operator may elect to comply with one of the following:~~	~~Y~~	
~~40 CFR 61.351(a)(1)~~	~~Fixed roof and internal floating roof meeting 40 CFR 60.112b(a)(1)~~	~~Y~~	
~~40 CFR 61.351(a)(2)~~	~~An external floating roof meeting 40 CFR 60.112b(a)(2)~~	~~Y~~	
~~40 CFR 61.356~~	~~Recordkeeping Requirements~~	~~Y~~	
~~40 CFR 61.356(a)~~	~~Recordkeeping and retention requirements~~	~~Y~~	
~~40 CFR 61.356(b)~~	~~Waste stream records~~	~~Y~~	
~~40 CFR 61.356(b)(1)~~	~~Uncontrolled Waste Stream Records~~	~~Y~~	
~~40 CFR 61.356(b)(4)~~	~~Treat to 6 Waste Stream Records~~	~~Y~~	
~~40 CFR 61.356(c)~~	~~Offsite Waste Transfer Records~~	~~Y~~	
~~40 CFR 61.357(d)~~	~~Reporting Requirements: Facilities with 10 Mg/yr or more total benzene in waste~~	~~Y~~	
~~BAAQMD Condition # 19528~~			
~~Part 1~~	~~Throughput limit (basis: Regulation 2-1-234.3, Regulation 2-1-403 Regulation 2-6-503)~~	~~Y~~	

IV. Source-specific Applicable Requirements

Table IV – CQ Cluster 27
Source-specific Applicable Requirements
S279 – Tank A-279, S313 – Tank A-313, S315 – Tank A-315

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Reg 8 Rule 5	**Organic Compounds - STORAGE OF ORGANIC LIQUIDS (11/27/02)**		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO	Y	
8-5-111.1.1	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO; 3 day prior notification	Y	
8-5-111.1.2	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO; Telephone notification	Y	
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service; Compliance before notification	Y	
8-5-111.3	Limited Exemption, Tank Removal From and Return to Service; Floating roof tanks - continuous and quick filling, emptying and refilling	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; 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	
8-5-112.1	Limited Exemption, Tanks in Operation; Notice to the APCO	Y	
8-5-112.1.1	Limited Exemption, Tanks in Operation; Notice to the APCO; 3 day prior notification	Y	
8-5-112.1.2	Limited Exemption, Tanks in Operation; Notice to the APCO; Telephone notification	Y	
8-5-112.2	Limited Exemption, Tanks in Operation; Compliance and certification before commencement of work	Y	
8-5-112.3	Limited Exemption, Tanks in Operation; No product movement; minimization of emissions	Y	
8-5-112.4	Limited Exemption, Tanks in Operation; Exemption does not exceed 7 days	Y	
8-5-301	Storage Tank Control Requirements	Y	
8-5-302	Requirements for Submerged Fill Pipes	Y	
8-5-303	Requirements for Pressure Vacuum Valve	Y	

IV. Source-specific Applicable Requirements

Table IV – CQ Cluster 27
Source-specific Applicable Requirements
S279 – Tank A-279, S313 – Tank A-313, S315 – Tank A-315

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
8-5-305	Requirements for Internal Floating Roofs		Y	
8-5-320	Tank Fitting Requirements		Y	
8-5-321	Primary Seal Requirements		Y	
8-5-322	Secondary Seal Requirements		Y	
8-5-328	Tank Degassing Requirements		Y	
8-5-402	Inspection Requirements for Internal Floating Roof		Y	
8-5-403	Inspection Requirements for Pressure Vacuum Valves		Y	
8-5-404	Certification		Y	
8-5-405	Information Required		Y	
8-5-501	Records		Y	
8-5-502	Tank Degassing Annual Source Test Requirement		Y	
8-5-503	Portable Hydrocarbon Detector		Y	
Refinery MACT	**NESHAP for Petroleum Refineries REQUIREMENTS FOR INTERNAL FLOATING ROOF TANKS**		Y	
63.642(e)	**General recordkeeping requirements:** Time period for keeping records, unless specified otherwise.	63.642(e) & 63.654(i)(4) **keep all other records 5 years, retrievable within 24 hr**	Y	
	General recordkeeping requirements: Keep all reports and notification for the specified period of time.	63.642(e) & 63.654(i)(4) **required**	Y	
63.646(a)	**The source only needs to comply with the provisions as they relate to existing internal floating roof tanks.**		Y	
	IFRT operating requirements: When landing the floating roof on its support legs, is the tank to be emptied & either refilled or degassed AS SOON AS POSSIBLE?	63.646(a) 63.119(b)(1) & (b)(2) **YES**	Y	
	Temporary exemption from operating requirements while the internal floating roof is landed on its support legs? *	63.646(a) 63.119(b)(1) **EXEMPT**	Y	

IV. Source-specific Applicable Requirements

Table IV – CQ Cluster 27
Source-specific Applicable Requirements
S279 – Tank A-279, S313 – Tank A-313, S315 – Tank A-315

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	IFR Rim Seals: vapor-mounted primary seal: liquid-mounted primary seal: mechanical-shoe primary seal:	63.646(a) 63.119(b)(3)(i) - (3)(iii) **OK with rim-mounted secondary** **OK alone** **OK alone**	Y	
	Must IFR vapor-mounted rim seals be continuous?	63.646(a) 63.119(b)(3)(iii) **REQUIRED**	Y	
	Tank Top Visual Inspections (of IFR/CFR from manways and hatches of the fixed roof):	63.646(a) & 63.120(a) **annually after initial fill or compliance**	Y	
	IFR/CFR Internal Inspections: (up close visual inspection of the floating roof, seals, & fittings):	63.646(a) & 63.120(a) **at least every 10 years, including each emptying/degassing**	Y	
	Notification of Inspections: Are notifications of inspections to demonstrate initial compliance required, For IFR/CFR internal inspections:	63.646(a) 63.120(a)(2)(ii) & (3) **internal inspection not required for initial compliance**	Y	
	OPTION: Does this rule allow an internal inspection every 5 years to replace <u>both</u> inspections noted above, if the IFR/CFR is equipped with a secondary seal?	63.646(a) 63.120(a)(3)(i) **YES**	Y	
	Is there to be no liquid on the internal floating roof?	63.646(a) 63.120(a)(4) **REQUIRED**	Y	
	Are there to be no IFR rim seal gaps that are visible from the tank top?	63.646(a) 63.120(a)(4) **REQUIRED ***	Y	
	Shall there be no holes, tears, or openings in the IFR seals?	63.646(a) 63.120(a)(4) & (7) **REQUIRED**	Y	
	IFRT REPAIRS: Time allowed for repair of defects found during in-service inspections:	63.646(a) 63.120(a)(4) **make repairs within 45 days**	Y	
	IFRT REPAIRS: If unable to repair, empty the tank & remove from service?	63.646(a) 63.120(a)(4) **YES, within 45 days**	Y	

IV. Source-specific Applicable Requirements

Table IV – CQ Cluster 27
Source-specific Applicable Requirements
S279 – Tank A-279, S313 – Tank A-313, S315 – Tank A-315

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	EXTENSIONS OF TIME: If defects cannot be repaired & the IFRT cannot be emptied within 45 days?	63.646(a) 63.120(a)(4) **up to 2 extensions of 30 days each, if needed**	Y	
	IFRT REPAIRS: Repair of defects if the tank is empty?	63.646(a) 63.120(a)(7) **prior to refilling**	Y	
63.646(c)	IFR well covers to be gasketed?	63.646(c) **not required at existing sources**	Y	
	IFR vents to be gasketed?	63.646(c) **not required at existing sources**	Y	
	IFR deck openings other than for vents to project into liquid?	63.646(c) **not required at existing sources**	Y	
	IFR access hatch & gauge float well covers to be bolted closed?	63.646(c) **not required at existing sources**	Y	
	IFR guidepole & column wells allowed a flexible-fabric sleeve seal or a gasketed cover?	63.646(c) **not applicable at existing sources**	Y	
	IFRT unslotted guidepoles to have a gasketed cap at the top of the pole?	63.646(c) **not required at existing sources**	Y	
	IFRT slotted guidepoles to have a deck cover gasket and pole wiper, and either an internal float or a pole sleeve?	63.646(c) **not required at existing sources**	Y	
63.646(e)	Exempts existing source from complying with inspection requirements for gaskets, slotted membranes and sleeve seals.		Y	
63.646(f)	Deck openings (wells) other than for vents, drains, or legs to have covers that are kept closed except for access?	63.646(f)(1) **REQUIRED**	Y	
	IFR rim space vents to remain closed except when the pressure setting is exceeded?	63.646(f)(2) **REQUIRED**	Y	
	IFR auto. bleeder vent (vacuum breaker) to be closed except when the deck is landed?	63.646(f)(3) **REQUIRED**	Y	

IV. Source-specific Applicable Requirements

Table IV – CQ Cluster 27
Source-specific Applicable Requirements
S279 – Tank A-279, S313 – Tank A-313, S315 – Tank A-315

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
63.646(g)	**This notes that the failure to perform inspections and required monitoring is a violation of the application standard.**		Y	
63.646(l)	**Notification of Inspections:** Is the State or local authority allowed to waive the notification requirements?	63.646(l) 63.654(h)(2)(i)(C)&(ii) **YES**	Y	
63.654(g)	Report of periodic inspections, etc. AFTER documenting initial compliance?	63.654(g) **begin Sept 13, 1999 then semiannual**	Y	
	Periodic Reports: Report of IFR/CFR inspections that find out-of-compliance?	63.654(g)(2) - (4) **Required within 60 days after each semiannual period**	Y	
	Periodic Reports: Report of IFR/CFR inspection failures to include:	63.654(g)(2) - (4) **date of inspec, identification of tank, description of failure, & date of repair or emptying**	Y	
	Periodic Reports: IFR/CFR report to include prior request for 30-day extension, w/ documentation of need?	63.654(g)(2) - (4) **prior request is not required**	Y	
	Periodic Reports: Additional information to be included if an extension is utilized for an IFR/CFR:	63.654(g)(2)(i) 63.654(g)(3)(ii) **document the reason for the extension**	Y	
63.654(h)	**Notification of Inspections:** Is 30-day notice required for internal inspections of IFRTs & CFRTs (i.e., prior to filling or refilling); but a 7-day verbal notice acceptable if the event is unplanned?	63.654(h)(2)(i) 63.646(a) 63.120(a)(5)&(6) **REQUIRED**	Y	
	Report applicability for varying-use tanks?	63.654(h)(6)(ii) **w/the initial NOC Status report**	Y	
	Other (initial) Reports: Report applicability for varying-use tanks?	63.654(h)(6)(ii) **required with the initial Notification of Compliance Status report**	Y	

IV. Source-specific Applicable Requirements

Table IV – CQ Cluster 27
Source-specific Applicable Requirements
S279 – Tank A-279, S313 – Tank A-313, S315 – Tank A-315

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
63.654(i)	**Applicability records:** Time period for keeping records of applicability determination, unless specified otherwise.	63.654(i)(1) 63.123(a) **Keep record readily accessible for the service life of the tank**	Y	
	Applicability records: Records of dimensions & capacity required for nonexempt tanks?	63.654(i)(1) 63.646(a)&63.119(a)(3) 63.123(a) **Required** **Keep record readily accessible for service life of the tank** *	Y	
	Recordkeeping for inspections: Keep inspection reports as specified.	63.654(i)(1) 63.123(c) - (e) **all inspections**	Y	
	Records of IFR & CFR inspection reports:	63.654(i)(1) 63.123(c) & (e) **all inspections**	Y	
	Recordkeeping for delayed repairs: When utilizing a delay of repair provision, keep documentation of the reason for the delay.	63.654(i)(1) 63.123 (g) **required**	Y	
	Applicability records: Additional recordkeeping requirements for certain tanks.	63.654(i)(1)(iv) **determination of HAP content** **Keep record readily accessible for service life of the tank**	Y	
BAAQMD Condition # 5933	**Permit Conditions for S279**			
Part 1	Design specifications (basis: Reg. 8-5, cumulative increase)		Y	
Part 2	Requirement to notify the District regarding tank seals (basis: Reg. 8-5, cumulative increase)		Y	
BAAQMD Condition # 8516	**Permit Conditions for S313 and S315**		Y	
Part 1	Design specifications (basis: Reg. 8-5, cumulative increase)		Y	
Part 2	Requirement to notify the District regarding tank seals (basis: Reg. 8-5, cumulative increase))		Y	
BAAQMD Condition # 19528				

IV. Source-specific Applicable Requirements

Table IV – CQ Cluster 27
Source-specific Applicable Requirements
S279 – Tank A-279, S313 – Tank A-313, S315 – Tank A-315

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 1	Throughput limit (basis: Regulation 2-1-234.3, Regulation 2-1-403 Regulation 2-6-503)	Y	

Table IV – CQa Cluster 27
Source-specific Applicable Requirements
S696 – Tank A-696

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Reg 8 Rule 5	**Organic Compounds - STORAGE OF ORGANIC LIQUIDS (11/27/02)**		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO	Y	
8-5-111.1.1	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO; 3 day prior notification	Y	
8-5-111.1.2	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO; Telephone notification	Y	
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service; Compliance before notification	Y	
8-5-111.3	Limited Exemption, Tank Removal From and Return to Service; Floating roof tanks - continuous and quick filling, emptying and refilling	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; 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	
8-5-112.1	Limited Exemption, Tanks in Operation; Notice to the APCO	Y	
8-5-112.1.1	Limited Exemption, Tanks in Operation; Notice to the APCO; 3 day prior notification	Y	
8-5-112.1.2	Limited Exemption, Tanks in Operation; Notice to the APCO; Telephone notification	Y	

IV. Source-specific Applicable Requirements

Table IV – CQa Cluster 27
Source-specific Applicable Requirements
S696 – Tank A-696

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
8-5-112.2	Limited Exemption, Tanks in Operation; Compliance and certification before commencement of work		Y	
8-5-112.3	Limited Exemption, Tanks in Operation; No product movement; minimization of emissions		Y	
8-5-112.4	Limited Exemption, Tanks in Operation; Exemption does not exceed 7 days		Y	
8-5-301	Storage Tank Control Requirements		Y	
8-5-302	Requirements for Submerged Fill Pipes		Y	
8-5-303	Requirements for Pressure Vacuum Valve		Y	
8-5-305	Requirements for Internal Floating Roofs		Y	
8-5-320	Tank Fitting Requirements		Y	
8-5-321	Primary Seal Requirements		Y	
8-5-322	Secondary Seal Requirements		Y	
8-5-328	Tank Degassing Requirements		Y	
8-5-402	Inspection Requirements for Internal Floating Roof		Y	
8-5-403	Inspection Requirements for Pressure Vacuum Valves		Y	
8-5-404	Certification		Y	
8-5-405	Information Required		Y	
8-5-501	Records		Y	
8-5-502	Tank Degassing Annual Source Test Requirement		Y	
8-5-503	Portable Hydrocarbon Detector		Y	
Refinery MACT	**NESHAP for Petroleum Refineries** **REQUIREMENTS FOR INTERNAL FLOATING ROOF TANKS**		Y	
63.642(e)	**General recordkeeping requirements:** Time period for keeping records, unless specified otherwise.	63.642(e) & 63.654(i)(4) **keep all other records 5 years, retrievable within 24 hr**	Y	
	General recordkeeping requirements: Keep all reports and notification for the specified period of time.	63.642(e) & 63.654(i)(4) **required**	Y	
63.646(a)	**The source only needs to comply with the provisions as they relate to existing internal floating roof tanks.**		Y	

IV. Source-specific Applicable Requirements

Table IV – CQa Cluster 27
Source-specific Applicable Requirements
S696 – Tank A-696

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	IFRT operating requirements: When landing the floating roof on its support legs, is the tank to be emptied & either refilled or degassed AS SOON AS POSSIBLE?	63.646(a) 63.119(b)(1) & (b)(2) **YES**	Y	
	Temporary exemption from operating requirements while the internal floating roof is landed on its support legs? *	63.646(a) 63.119(b)(1) **EXEMPT**	Y	
	IFR Rim Seals: vapor-mounted primary seal: liquid-mounted primary seal: mechanical-shoe primary seal:	63.646(a) 63.119(b)(3)(i) - (3)(iii) **OK with rim-mounted secondary** **OK alone** **OK alone**	Y	
	Must IFR vapor-mounted rim seals be continuous?	63.646(a) 63.119(b)(3)(iii) **REQUIRED**	Y	
	Tank Top Visual Inspections (of IFR/CFR from manways and hatches of the fixed roof):	63.646(a) & 63.120(a) **annually after initial fill or compliance**	Y	
	IFR/CFR Internal Inspections: (up close visual inspection of the floating roof, seals, & fittings):	63.646(a) & 63.120(a) **at least every 10 years, including each emptying/degassing**	Y	
	Notification of Inspections: Are notifications of inspections to demonstrate initial compliance required, For IFR/CFR internal inspections:	63.646(a) 63.120(a)(2)(ii) & (3) **internal inspection not required for initial compliance**	Y	
	OPTION: Does this rule allow an internal inspection every 5 years to replace <u>both</u> inspections noted above, if the IFR/CFR is equipped with a secondary seal?	63.646(a) 63.120(a)(3)(i) **YES**	Y	
	Is there to be no liquid on the internal floating roof?	63.646(a) 63.120(a)(4) **REQUIRED**	Y	
	Are there to be no IFR rim seal gaps that are visible from the tank top?	63.646(a) 63.120(a)(4) **REQUIRED ***	Y	

IV. Source-specific Applicable Requirements

Table IV – CQa Cluster 27
Source-specific Applicable Requirements
S696 – Tank A-696

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	Shall there be no holes, tears, or openings in the IFR seals?	63.646(a) 63.120(a)(4) & (7) **REQUIRED**	Y	
	IFRT REPAIRS: Time allowed for repair of defects found during in-service inspections:	63.646(a) 63.120(a)(4) **make repairs within 45 days**	Y	
	IFRT REPAIRS: If unable to repair, empty the tank & remove from service?	63.646(a) 63.120(a)(4) **YES, within 45 days**	Y	
	EXTENSIONS OF TIME: If defects cannot be repaired & the IFRT cannot be emptied within 45 days?	63.646(a) 63.120(a)(4) **up to 2 extensions of 30 days each, if needed**	Y	
	IFRT REPAIRS: Repair of defects if the tank is empty?	63.646(a) 63.120(a)(7) **prior to refilling**	Y	
63.646(c)	IFR well covers to be gasketed?	63.646(c) **not required at existing sources**	Y	
	IFR vents to be gasketed?	63.646(c) **not required at existing sources**	Y	
	IFR deck openings other than for vents to project into liquid?	63.646(c) **not required at existing sources**	Y	
	IFR access hatch & gauge float well covers to be bolted closed?	63.646(c) **not required at existing sources**	Y	
	IFR guidepole & column wells allowed a flexible-fabric sleeve seal or a gasketed cover?	63.646(c) **not applicable at existing sources**	Y	
	IFRT unslotted guidepoles to have a gasketed cap at the top of the pole?	63.646(c) **not required at existing sources**	Y	
	IFRT slotted guidepoles to have a deck cover gasket and pole wiper, and either an internal float or a pole sleeve?	63.646(c) **not required at existing sources**	Y	
63.646(e)	Exempts existing source from complying with inspection requirements for gaskets, slotted membranes and sleeve seals.		Y	
63.646(f)	Deck openings (wells) other than for vents, drains, or legs to have covers that are kept closed except for access?	63.646(f)(1) **REQUIRED**	Y	

IV. Source-specific Applicable Requirements

Table IV – CQa Cluster 27
Source-specific Applicable Requirements
S696 – Tank A-696

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	IFR rim space vents to remain closed except when the pressure setting is exceeded?	63.646(f)(2) **REQUIRED**	Y	
	IFR auto. bleeder vent (vacuum breaker) to be closed except when the deck is landed?	63.646(f)(3) **REQUIRED**	Y	
63.646(g)	**This notes that the failure to perform inspections and required monitoring is a violation of the application standard.**		Y	
63.646(l)	**Notification of Inspections:** Is the State or local authority allowed to waive the notification requirements?	63.646(l) 63.654(h)(2)(i)(C)&(ii) **YES**	Y	
63.654(g), (h) and (i)	The source only needs to comply with provisions as they relate to existing internal floating roof tanks.		Y	
63.654(g)	Report of periodic inspections, etc. AFTER documenting initial compliance?	63.654(g) **begin Sept 13, 1999 then semiannual**	Y	
	Periodic Reports: Report of IFR/CFR inspections that find out-of-compliance?	63.654(g)(2) - (4) **Required within 60 days after each semiannual period**	Y	
	Periodic Reports: Report of IFR/CFR inspection failures to include:	63.654(g)(2) - (4) **date of inspec, identification of tank, description of failure, & date of repair or emptying**	Y	
	Periodic Reports: IFR/CFR report to include prior request for 30-day extension, w/ documentation of need?	63.654(g)(2) - (4) **prior request is not required**	Y	
	Periodic Reports: Additional information to be included if an extension is utilized for an IFR/CFR:	63.654(g)(2)(i) 63.654(g)(3)(ii) **document the reason for the extension**	Y	

IV. Source-specific Applicable Requirements

Table IV – CQa Cluster 27
Source-specific Applicable Requirements
S696 – Tank A-696

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
63.654(h)	**Notification of Inspections:** Is 30-day notice required for internal inspections of IFRTs & CFRTs (i.e., prior to filling or refilling); but a 7-day verbal notice acceptable if the event is unplanned?	63.654(h)(2)(i) 63.646(a) 63.120(a)(5)&(6) **REQUIRED**	Y	
	Report applicability for varying-use tanks?	63.654(h)(6)(ii) **w/the initial NOC Status report**	Y	
	Other (initial) Reports: Report applicability for varying-use tanks?	63.654(h)(6)(ii) **required with the initial Notification of Compliance Status report**	Y	
63.654(i)	**Applicability records:** Time period for keeping records of applicability determination, unless specified otherwise.	63.654(i)(1) 63.123(a) **Keep record readily accessible for the service life of the tank**	Y	
	Applicability records: Records of dimensions & capacity required for nonexempt tanks?	63.654(i)(1) 63.646(a)&63.119(a)(3) 63.123(a) **Required** **Keep record readily accessible for service life of the tank** *	Y	
	Recordkeeping for inspections: Keep inspection reports as specified.	63.654(i)(1) 63.123(c) - (e) **all inspections**	Y	
	Records of IFR & CFR inspection reports:	63.654(i)(1) 63.123(c) & (e) **all inspections**	Y	
	Recordkeeping for delayed repairs: When utilizing a delay of repair provision, keep documentation of the reason for the delay.	63.654(i)(1) 63.123 (g) **required**	Y	
	Applicability records: Additional recordkeeping requirements for certain tanks.	63.654(i)(1)(iv) **determination of HAP content** **Keep record readily accessible for service life of the tank**	Y	
BAAQMD Condition # 11707	**Permit Conditions**			

IV. Source-specific Applicable Requirements

Table IV – CQa Cluster 27
Source-specific Applicable Requirements
S696 – Tank A-696

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 1	Design specifications (basis: Reg. 8-5, cumulative increase)	Y	
Part 2	Requirement to notify the District regarding tank seals (basis: Reg. 8-5, cumulative increase)	Y	
BAAQMD Condition # 19528			
Part 1	Throughput limit (basis: Regulation 2-1-234.3, Regulation 2-1-403 Regulation 2-6-503)	Y	
BAAQMD Condition # 21849	Startup Conditions		
Part 1	Final fugitive count (basis: cumulative increase, offsets, toxics risk screen)	Y	
Part 2	Correct offsets if necessary (basis: offsets)	Y	
Part 3	Light hydrocarbon valves shall be BACT compliant, POC's shall not exceed 100 ppm (basis: BACT, Reg 8-18, toxics risk screen)	Y	
Part 4	Light hydrocarbon flanges and connectors shall be BACT compliant, POC's shall not exceed 100 ppm (basis: BACT, Reg 8-18, toxics risk screen)	Y	
Part 5	Light hydrocarbon pump seals shall be BACT compliant, POC's shall not exceed 500 ppm (basis: BACT, Reg 8-18, toxics risk screen)	Y	
Part 6	Light hydrocarbon pressure relief valves shall vent back to the refinery fuel gas system or abatement with POC capture and destruction of 98% by weight (basis: BACT, Reg 8-28, toxics risk screen)	Y	
Part 7	Integrate all new fugitives in organic service into the facility fugitive equipment monitoring and repair program (basis: BACT, Reg 8-18)	Y	

Table IV – CR Cluster 27
Source-specific Applicable Requirements
S697 – Tank A-697

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Reg 8 Rule 5	**Organic Compounds - STORAGE OF ORGANIC LIQUIDS (11/27/02)**		

IV. Source-specific Applicable Requirements

Table IV – CR Cluster 27
Source-specific Applicable Requirements
S697 – Tank A-697

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO	Y	
8-5-111.1.1	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO; 3 day prior notification	Y	
8-5-111.1.2	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO; Telephone notification	Y	
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service; Compliance before notification	Y	
8-5-111.3	Limited Exemption, Tank Removal From and Return to Service; Floating roof tanks - continuous and quick filling, emptying and refilling	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; 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	
8-5-112.1	Limited Exemption, Tanks in Operation; Notice to the APCO	Y	
8-5-112.1.1	Limited Exemption, Tanks in Operation; Notice to the APCO; 3 day prior notification	Y	
8-5-112.1.2	Limited Exemption, Tanks in Operation; Notice to the APCO; Telephone notification	Y	
8-5-112.2	Limited Exemption, Tanks in Operation; Compliance and certification before commencement of work	Y	
8-5-112.3	Limited Exemption, Tanks in Operation; No product movement; minimization of emissions	Y	
8-5-112.4	Limited Exemption, Tanks in Operation; Exemption does not exceed 7 days	Y	
8-5-301	Storage Tank Control Requirements	Y	
8-5-302	Requirements for Submerged Fill Pipes	Y	
8-5-303	Requirements for Pressure Vacuum Valve	Y	
8-5-305	Requirements for Internal Floating Roofs	Y	
8-5-320	Tank Fitting Requirements	Y	
8-5-321	Primary Seal Requirements	Y	

IV. Source-specific Applicable Requirements

Table IV – CR Cluster 27
Source-specific Applicable Requirements
S697 – Tank A-697

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
8-5-322	Secondary Seal Requirements		Y	
8-5-328	Tank Degassing Requirements		Y	
8-5-402	Inspection Requirements for Internal Floating Roof		Y	
8-5-403	Inspection Requirements for Pressure Vacuum Valves		Y	
8-5-404	Certification		Y	
8-5-405	Information Required		Y	
8-5-501	Records		Y	
8-5-502	Tank Degassing Annual Source Test Requirement		Y	
8-5-503	Portable Hydrocarbon Detector		Y	
Refinery MACT	**NESHAP for Petroleum Refineries** **REQUIREMENTS FOR INTERNAL FLOATING ROOF TANKS**		Y	
63.642(e)	**General recordkeeping requirements:** Time period for keeping records, unless specified otherwise.	63.642(e) & 63.654(i)(4) **keep all other records 5 years, retrievable within 24 hr**	Y	
	General recordkeeping requirements: Keep all reports and notification for the specified period of time.	63.642(e) & 63.654(i)(4) **required**	Y	
63.646(a)	**The source only needs to comply with the provisions as they relate to existing internal floating roof tanks.**		Y	
63.646(a)	**IFRT operating requirements:** When landing the floating roof on its support legs, is the tank to be emptied & either refilled or degassed AS SOON AS POSSIBLE?	63.646(a) 63.119(b)(1) & (b)(2) **YES**	Y	
	Temporary exemption from operating requirements while the internal floating roof is landed on its support legs? *	63.646(a) 63.119(b)(1) **EXEMPT**	Y	
	IFR Rim Seals: vapor-mounted primary seal: liquid-mounted primary seal: mechanical-shoe primary seal:	63.646(a) 63.119(b)(3)(i) - (3)(iii) **OK with rim-mounted secondary** **OK alone** **OK alone**	Y	

IV. Source-specific Applicable Requirements

Table IV – CR Cluster 27
Source-specific Applicable Requirements
S697 – Tank A-697

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	Must IFR vapor-mounted rim seals be continuous?	63.646(a) 63.119(b)(3)(iii) **REQUIRED**	Y	
	Tank Top Visual Inspections (of IFR/CFR from manways and hatches of the fixed roof):	63.646(a) & 63.120(a) **annually after initial fill or compliance**	Y	
	IFR/CFR Internal Inspections: (up close visual inspection of the floating roof, seals, & fittings):	63.646(a) & 63.120(a) **at least every 10 years, including each emptying/degassing**	Y	
	Notification of Inspections: Are notifications of inspections to demonstrate initial compliance required, For IFR/CFR internal inspections:	63.646(a) 63.120(a)(2)(ii) & (3) **internal inspection not required for initial compliance**	Y	
	OPTION: Does this rule allow an internal inspection every 5 years to replace both inspections noted above, if the IFR/CFR is equipped with a secondary seal?	63.646(a) 63.120(a)(3)(i) **YES**	Y	
	Is there to be no liquid on the internal floating roof?	63.646(a) 63.120(a)(4) **REQUIRED**	Y	
	Are there to be no IFR rim seal gaps that are visible from the tank top?	63.646(a) 63.120(a)(4) **REQUIRED** *	Y	
	Shall there be no holes, tears, or openings in the IFR seals?	63.646(a) 63.120(a)(4) & (7) **REQUIRED**	Y	
	IFRT REPAIRS: Time allowed for repair of defects found during in-service inspections:	63.646(a) 63.120(a)(4) **make repairs within 45 days**	Y	
	IFRT REPAIRS: If unable to repair, empty the tank & remove from service?	63.646(a) 63.120(a)(4) **YES, within 45 days**	Y	
	EXTENSIONS OF TIME: If defects cannot be repaired & the IFRT cannot be emptied within 45 days?	63.646(a) 63.120(a)(4) **up to 2 extensions of 30 days each, if needed**	Y	
	IFRT REPAIRS: Repair of defects if the tank is empty?	63.646(a) 63.120(a)(7) **prior to refilling**	Y	

IV. Source-specific Applicable Requirements

Table IV – CR Cluster 27
Source-specific Applicable Requirements
S697 – Tank A-697

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
63.646(c)	IFR well covers to be gasketed?	63.646(c) **not required at existing sources**	Y	
	IFR vents to be gasketed?	63.646(c) **not required at existing sources**	Y	
	IFR deck openings other than for vents to project into liquid?	63.646(c) **not required at existing sources**	Y	
	IFR access hatch & gauge float well covers to be bolted closed?	63.646(c) **not required at existing sources**	Y	
	IFR guidepole & column wells allowed a flexible-fabric sleeve seal or a gasketed cover?	63.646(c) **not applicable at existing sources**	Y	
	IFRT unslotted guidepoles to have a gasketed cap at the top of the pole?	63.646(c) **not required at existing sources**	Y	
	IFRT slotted guidepoles to have a deck cover gasket and pole wiper, and either an internal float or a pole sleeve?	63.646(c) **not required at existing sources**	Y	
63.646(e)	Exempts existing source from complying with inspection requirements for gaskets, slotted membranes and sleeve seals.		Y	
63.646(f)	Deck openings (wells) other than for vents, drains, or legs to have covers that are kept closed except for access?	63.646(f)(1) **REQUIRED**	Y	
	IFR rim space vents to remain closed except when the pressure setting is exceeded?	63.646(f)(2) **REQUIRED**	Y	
	IFR auto. bleeder vent (vacuum breaker) to be closed except when the deck is landed?	63.646(f)(3) **REQUIRED**	Y	
63.646(g)	**This notes that the failure to perform inspections and required monitoring is a violation of the application standard.**		Y	
63.646(l)	**Notification of Inspections:** Is the State or local authority allowed to waive the notification requirements?	63.646(l) 63.654(h)(2)(i)(C)&(ii) **YES**	Y	

IV. Source-specific Applicable Requirements

Table IV – CR Cluster 27
Source-specific Applicable Requirements
S697 – Tank A-697

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
63.654(g), (h) and (i)	The source only needs to comply with provisions as they relate to existing internal floating roof tanks.		Y	
63.654(g)	Report of periodic inspections, etc. AFTER documenting initial compliance?	63.654(g) **begin Sept 13, 1999 then semiannual**	Y	
	Periodic Reports: Report of IFR/CFR inspections that find out-of-compliance?	63.654(g)(2) - (4) **Required within 60 days after each semiannual period**	Y	
	Periodic Reports: Report of IFR/CFR inspection failures to include:	63.654(g)(2) - (4) **date of inspec, identification of tank, description of failure, & date of repair or emptying**	Y	
	Periodic Reports: IFR/CFR report to include prior request for 30-day extension, w/ documentation of need?	63.654(g)(2) - (4) **prior request is not required**	Y	
	Periodic Reports: Additional information to be included if an extension is utilized for an IFR/CFR:	63.654(g)(2)(i) 63.654(g)(3)(ii) **document the reason for the extension**	Y	
63.654(h)	**Notification of Inspections:** Is 30-day notice required for internal inspections of IFRTs & CFRTs (i.e., prior to filling or refilling); but a 7-day verbal notice acceptable if the event is unplanned?	63.654(h)(2)(i) 63.646(a) 63.120(a)(5)&(6) **REQUIRED**	Y	
	Report applicability for varying-use tanks?	63.654(h)(6)(ii) **w/the initial NOC Status report**	Y	
	Other (initial) Reports: Report applicability for varying-use tanks?	63.654(h)(6)(ii) **required with the initial Notification of Compliance Status report**	Y	
63.654(i)	**Applicability records:** Time period for keeping records of applicability determination, unless specified otherwise.	63.654(i)(1) 63.123(a) **Keep record readily accessible for the service life of the tank**	Y	

IV. Source-specific Applicable Requirements

Table IV – CR Cluster 27
Source-specific Applicable Requirements
S697 – Tank A-697

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	Applicability records: Records of dimensions & capacity required for nonexempt tanks?	63.654(i)(1) 63.646(a)&63.119(a)(3) 63.123(a) **Required** **Keep record readily accessible for service life of the tank** *	Y	
	Recordkeeping for inspections: Keep inspection reports as specified.	63.654(i)(1) 63.123(c) - (e) **all inspections**	Y	
	Records of IFR & CFR inspection reports:	63.654(i)(1) 63.123(c) & (e) **all inspections**	Y	
	Recordkeeping for delayed repairs: When utilizing a delay of repair provision, keep documentation of the reason for the delay.	63.654(i)(1) 63.123 (g) **required**	Y	
	Applicability records: Additional recordkeeping requirements for certain tanks.	63.654(i)(1)(iv) **determination of HAP content** **Keep record readily accessible for service life of the tank**	Y	
BAAQMD Condition # 19528				
Part 1	Throughput limit (basis: Regulation 2-1-234.3, Regulation 2-1-403 Regulation 2-6-503)		Y	

Table IV – CS Cluster 27
Source-specific Applicable Requirements
S612 – Tank A-612

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Reg 8 Rule 5	**Organic Compounds - STORAGE OF ORGANIC LIQUIDS (11/27/02)**		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	

IV. Source-specific Applicable Requirements

Table IV – CS Cluster 27
Source-specific Applicable Requirements
S612 – Tank A-612

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO	Y	
8-5-111.1.1	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO; 3 day prior notification	Y	
8-5-111.1.2	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO; Telephone notification	Y	
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service; Compliance before notification	Y	
8-5-111.3	Limited Exemption, Tank Removal From and Return to Service; Floating roof tanks - continuous and quick filling, emptying and refilling	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; 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	
8-5-112.1	Limited Exemption, Tanks in Operation; Notice to the APCO	Y	
8-5-112.1.1	Limited Exemption, Tanks in Operation; Notice to the APCO; 3 day prior notification	Y	
8-5-112.1.2	Limited Exemption, Tanks in Operation; Notice to the APCO; Telephone notification	Y	
8-5-112.2	Limited Exemption, Tanks in Operation; Compliance and certification before commencement of work	Y	
8-5-112.3	Limited Exemption, Tanks in Operation; No product movement; minimization of emissions	Y	
8-5-112.4	Limited Exemption, Tanks in Operation; Exemption does not exceed 7 days	Y	
8-5-301	Storage Tank Control Requirements	Y	
8-5-302	Requirements for Submerged Fill Pipes	Y	
8-5-303	Requirements for Pressure Vacuum Valve	Y	
8-5-305	Requirements for Internal Floating Roofs	Y	
8-5-320	Tank Fitting Requirements	Y	
8-5-321	Primary Seal Requirements	Y	
8-5-322	Secondary Seal Requirements	Y	

IV. Source-specific Applicable Requirements

Table IV – CS Cluster 27
Source-specific Applicable Requirements
S612 – Tank A-612

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
8-5-328	Tank Degassing Requirements		Y	
8-5-402	Inspection Requirements for Internal Floating Roof		Y	
8-5-403	Inspection Requirements for Pressure Vacuum Valves		Y	
8-5-404	Certification		Y	
8-5-405	Information Required		Y	
8-5-501	Records		Y	
8-5-502	Tank Degassing Annual Source Test Requirement		Y	
8-5-503	Portable Hydrocarbon Detector		Y	
Refinery MACT	**NESHAP for Petroleum Refineries** **REQUIREMENTS FOR INTERNAL FLOATING ROOF TANKS**		Y	
63.642(e)	**General recordkeeping requirements:** Time period for keeping records, unless specified otherwise.	63.642(e) & 63.654(i)(4) **keep all other records 5 years, retrievable within 24 hr**	Y	
	General recordkeeping requirements: Keep all reports and notification for the specified period of time.	63.642(e) & 63.654(i)(4) **required**	Y	
63.646(a)	**The source only needs to comply with the provisions as they relate to existing internal floating roof tanks.**		Y	
63.646(a)	**IFRT operating requirements:** When landing the floating roof on its support legs, is the tank to be emptied & either refilled or degassed AS SOON AS POSSIBLE?	63.646(a) 63.119(b)(1) & (b)(2) **YES**	Y	
	Temporary exemption from operating requirements while the internal floating roof is landed on its support legs? *	63.646(a) 63.119(b)(1) **EXEMPT**	Y	
	IFR Rim Seals: vapor-mounted primary seal: liquid-mounted primary seal: mechanical-shoe primary seal:	63.646(a) 63.119(b)(3)(i) - (3)(iii) **OK with rim-mounted secondary** **OK alone** **OK alone**	Y	

IV. Source-specific Applicable Requirements

Table IV – CS Cluster 27
Source-specific Applicable Requirements
S612 – Tank A-612

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	Must IFR vapor-mounted rim seals be continuous?	63.646(a) 63.119(b)(3)(iii) **REQUIRED**	Y	
	Tank Top Visual Inspections (of IFR/CFR from manways and hatches of the fixed roof):	63.646(a) & 63.120(a) **annually after initial fill or compliance**	Y	
	IFR/CFR Internal Inspections: (up close visual inspection of the floating roof, seals, & fittings):	63.646(a) & 63.120(a) **at least every 10 years, including each emptying/degassing**	Y	
	Notification of Inspections: Are notifications of inspections to demonstrate initial compliance required, For IFR/CFR internal inspections:	63.646(a) 63.120(a)(2)(ii) & (3) **internal inspection not required for initial compliance**	Y	
	OPTION: Does this rule allow an internal inspection every 5 years to replace both inspections noted above, if the IFR/CFR is equipped with a secondary seal?	63.646(a) 63.120(a)(3)(i) **YES**	Y	
	Is there to be no liquid on the internal floating roof?	63.646(a) 63.120(a)(4) **REQUIRED**	Y	
	Are there to be no IFR rim seal gaps that are visible from the tank top?	63.646(a) 63.120(a)(4) **REQUIRED** *	Y	
	Shall there be no holes, tears, or openings in the IFR seals?	63.646(a) 63.120(a)(4) & (7) **REQUIRED**	Y	
	IFRT REPAIRS: Time allowed for repair of defects found during in-service inspections:	63.646(a) 63.120(a)(4) **make repairs within 45 days**	Y	
	IFRT REPAIRS: If unable to repair, empty the tank & remove from service?	63.646(a) 63.120(a)(4) **YES, within 45 days**	Y	
	EXTENSIONS OF TIME: If defects cannot be repaired & the IFRT cannot be emptied within 45 days?	63.646(a) 63.120(a)(4) **up to 2 extensions of 30 days each, if needed**	Y	
	IFRT REPAIRS: Repair of defects if the tank is empty?	63.646(a) 63.120(a)(7) **prior to refilling**	Y	

IV. Source-specific Applicable Requirements

Table IV – CS Cluster 27
Source-specific Applicable Requirements
S612 – Tank A-612

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
63.646(c)	IFR well covers to be gasketed?	63.646(c) **not required at existing sources**	Y	
	IFR vents to be gasketed?	63.646(c) **not required at existing sources**	Y	
	IFR deck openings other than for vents to project into liquid?	63.646(c) **not required at existing sources**	Y	
	IFR access hatch & gauge float well covers to be bolted closed?	63.646(c) **not required at existing sources**	Y	
	IFR guidepole & column wells allowed a flexible-fabric sleeve seal or a gasketed cover?	63.646(c) **not applicable at existing sources**	Y	
	IFRT unslotted guidepoles to have a gasketed cap at the top of the pole?	63.646(c) **not required at existing sources**	Y	
	IFRT slotted guidepoles to have a deck cover gasket and pole wiper, and either an internal float or a pole sleeve?	63.646(c) **not required at existing sources**	Y	
63.646(e)	Exempts existing source from complying with inspection requirements for gaskets, slotted membranes and sleeve seals.		Y	
63.646(f)	Deck openings (wells) other than for vents, drains, or legs to have covers that are kept closed except for access?	63.646(f)(1) **REQUIRED**	Y	
	IFR rim space vents to remain closed except when the pressure setting is exceeded?	63.646(f)(2) **REQUIRED**	Y	
	IFR auto. bleeder vent (vacuum breaker) to be closed except when the deck is landed?	63.646(f)(3) **REQUIRED**	Y	
63.646(g)	**This notes that the failure to perform inspections and required monitoring is a violation of the application standard.**		Y	
63.646(l)	**Notification of Inspections:** Is the State or local authority allowed to waive the notification requirements?	63.646(l) 63.654(h)(2)(i)(C)&(ii) **YES**	Y	

IV. Source-specific Applicable Requirements

Table IV – CS Cluster 27
Source-specific Applicable Requirements
S612 – Tank A-612

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
63.654(g), (h) and (i)	The source only needs to comply with provisions as they relate to existing internal floating roof tanks.		Y	
63.654(g)	Report of periodic inspections, etc. AFTER documenting initial compliance?	63.654(g) **begin Sept 13, 1999 then semiannual**	Y	
	Periodic Reports: Report of IFR/CFR inspections that find out-of-compliance?	63.654(g)(2) - (4) **Required within 60 days after each semiannual period**	Y	
	Periodic Reports: Report of IFR/CFR inspection failures to include:	63.654(g)(2) - (4) **date of inspec, identification of tank, description of failure, & date of repair or emptying**	Y	
	Periodic Reports: IFR/CFR report to include prior request for 30-day extension, w/ documentation of need?	63.654(g)(2) - (4) **prior request is not required**	Y	
	Periodic Reports: Additional information to be included if an extension is utilized for an IFR/CFR:	63.654(g)(2)(i) 63.654(g)(3)(ii) **document the reason for the extension**	Y	
63.654(h)	**Notification of Inspections:** Is 30-day notice required for internal inspections of IFRTs & CFRTs (i.e., prior to filling or refilling); but a 7-day verbal notice acceptable if the event is unplanned?	63.654(h)(2)(i) 63.646(a) 63.120(a)(5)&(6) **REQUIRED**	Y	
	Report applicability for varying-use tanks?	63.654(h)(6)(ii) **w/the initial NOC Status report**	Y	
	Other (initial) Reports: Report applicability for varying-use tanks?	63.654(h)(6)(ii) **required with the initial Notification of Compliance Status report**	Y	
63.654(i)	**Applicability records:** Time period for keeping records of applicability determination, unless specified otherwise.	63.654(i)(1) 63.123(a) **Keep record readily accessible for the service life of the tank**	Y	

IV. Source-specific Applicable Requirements

Table IV – CS Cluster 27
Source-specific Applicable Requirements
S612 – Tank A-612

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	Applicability records: Records of dimensions & capacity required for nonexempt tanks?	63.654(i)(1) 63.646(a)&63.119(a)(3) 63.123(a) **Required** **Keep record readily accessible for service life of the tank ***	Y	
	Recordkeeping for inspections: Keep inspection reports as specified.	63.654(i)(1) 63.123(c) - (e) **all inspections**	Y	
	Records of IFR & CFR inspection reports:	63.654(i)(1) 63.123(c) & (e) **all inspections**	Y	
	Recordkeeping for delayed repairs: When utilizing a delay of repair provision, keep documentation of the reason for the delay.	63.654(i)(1) 63.123 (g) **required**	Y	
	Applicability records: Additional recordkeeping requirements for certain tanks.	63.654(i)(1)(iv) **determination of HAP content** **Keep record readily accessible for service life of the tank**	Y	
BAAQMD Condition # 6740	**Permit Conditions**			
Part 1	Throughput limit (basis: cumulative increase, toxics)		Y	
Part 2	Material stored (basis: cumulative increase, toxics)		Y	
Part 3	Record keeping (cumularive increase, toxics)		Y	
BAAQMD Condition # 19528				
Part 1	Throughput limit (basis: Regulation 2-1-234.3, Regulation 2-1-403 Regulation 2-6-503)		Y	

IV. Source-specific Applicable Requirements

Table IV – CU Cluster 28
Source-specific Applicable Requirements
S714 – Tank A-714

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Reg 8 Rule 5	**Organic Compounds - STORAGE OF ORGANIC LIQUIDS (11/27/02)**		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO	Y	
8-5-111.1.1	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO; 3 day prior notification	Y	
8-5-111.1.2	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO; Telephone notification	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; 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	
8-5-112.1	Limited Exemption, Tanks in Operation; Notice to the APCO	Y	
8-5-112.1.1	Limited Exemption, Tanks in Operation; Notice to the APCO; 3 day prior notification	Y	
8-5-112.1.2	Limited Exemption, Tanks in Operation; Notice to the APCO; Telephone notification	Y	
8-5-112.2	Limited Exemption, Tanks in Operation; Compliance and certification before commencement of work	Y	
8-5-112.3	Limited Exemption, Tanks in Operation; No product movement; minimization of emissions	Y	
8-5-112.4	Limited Exemption, Tanks in Operation; Exemption does not exceed 7 days	Y	
8-5-301	Storage Tank Control Requirements	Y	
8-5-302	Requirements for Submerged Fill Pipes	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	
8-5-403	Inspection Requirements for Pressure Vacuum Valves	Y	

IV. Source-specific Applicable Requirements

Table IV – CU Cluster 28
Source-specific Applicable Requirements
S714 – Tank A-714

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
8-5-404	Certification		Y	
8-5-405	Information Required		Y	
8-5-501	Records		Y	
8-5-502	Tnk Degassing Annual Source Test Requirement		Y	
8-5-503	Portable Hydrocarbon Detector		Y	
Refinery MACT	**NESHAP for Petroleum Refineries** **REQUIREMENTS FOR FIXED ROOF TANK-CONTROL DEVICE**		Y	
63.642(e)	**General recordkeeping requirements:** Time period for keeping records, unless specified otherwise.	63.642(e) & 63.654(i)(4) **keep all other records 5 years, retrievable within 24 hr**	Y	
	General recordkeeping requirements: Keep all reports and notification for the specified period of time.	63.642(e) & 63.654(i)(4) **required**	Y	
63.646(a)	**The source only needs to comply with the provisions as they relate to an exisitn fixed roof tank vented via a closed vent system to a control device.**		Y	
	Control device Performance requirements:	63.646(a) & (d) 63.119(e) **at least 95% efficient (or 90% if older than 7/15/94), or a flare per 63.11(b)**	Y	
	Control device (other than flare) Compliance demonstration:	63.646(a) 63.120(d) **design evaluation or performance test, plus monitoring plan** {30-day notice required prior to performance tests, per 63.642(d)(2)}	Y	
	Control device (other than flare) Operating requirements:	63.646(a) 63.120(d) **operate such that the monitored parameters remain within the specified ranges**	Y	
	Closed vent system Performance requirements:	63.646(a) 63.120(d)(6) & 63.148 **no detectable emissions (i.e., < 500 ppm)**	Y	

IV. Source-specific Applicable Requirements

Table IV – CU Cluster 28
Source-specific Applicable Requirements
S714 – Tank A-714

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
63.646(g)	**Failure to perform inspections and required monitoring is a violation of the applicable standard.**		Y	
63.654(g), (h) and (i)	The source only needs to comply with provisions as they relate to existing fixed roof tank vented via a closed vent system to a control device.		Y	
63.654(g)	Report of periodic inspections, etc. AFTER documenting initial compliance?	63.654(g) **begin Sept 13, 1999 then semiannual**	Y	
	Periodic Reports: Miscellaneous additional info to report:	63.654(g)(5)(i) & (ii) **for tanks routed to a control device other-than a flare, semiannual reports of planned routine maintenance and all periods of monitored parameter excursions** *	Y	
	Periodic Reports: Tanks routed to a flare:	63.654(g)(5)(i) & (iii) **semiannual reports of planned routine maintenance and all periods in which the flare was not in compliance** *	Y	
63.654(h)	Report applicability for varying-use tanks?	63.654(h)(6)(ii) **w/the initial NOC Status report**	Y	
	Other (initial) Reports: Report applicability for varying-use tanks?	63.654(h)(6)(ii) **required with the initial Notification of Compliance Status report**	Y	
63.654(i)	**Applicability records:** Time period for keeping records of applicability determination, unless specified otherwise.	63.654(i)(1) 63.123(a) **Keep record readily accessible for the service life of the tank**	Y	
	Applicability records: Records of dimensions & capacity required for nonexempt tanks?	63.654(i)(1) 63.646(a)&63.119(a)(3) 63.123(a) **Required** **Keep record readily accessible for service life of the tank** *	Y	
	Recordkeeping for inspections: Keep inspection reports as specified.	63.654(i)(1) 63.123(c) - (e) **all inspections**	Y	

IV. Source-specific Applicable Requirements

Table IV – CU Cluster 28
Source-specific Applicable Requirements
S714 – Tank A-714

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	Recordkeeping for tanks routed to a control device other than a flare:	63.654(i)(1) 63.123(f) **records of parametric monitoring data and planned routine maintenance** *	Y	
	Recordkeeping for tanks routed to a flare:	63.654(i)(1) 63.123(f) **records of planned routine maintenance** *	Y	
	Recordkeeping for delayed repairs: When utilizing a delay of repair provision, keep documentation of the reason for the delay.	63.654(i)(1) 63.123 (g) **required**	Y	
	Applicability records: Additional recordkeeping requirements for certain tanks.	63.654(i)(1)(iv) **determination of HAP content** **Keep record readily accessible for service life of the tank**	Y	
BAAQMD Condition # 8538	**Permit Conditions for S714**			
Part 1	Requirement for abatement (basis: cumulative increase)		Y	
Part 2	Leak limits, inspection and maintenance of fugitive devices (basis: Reg. 8-18, Reg. 8-25, Reg. 8-28)		Y	
Part 3	Requirement to vent pressure relief valves to flare gas recovery system (basis: Reg. 8-28)		Y	
BAAQMD Condition # 19528				
Part 1	Throughput limit (basis: Regulation 2-1-234.3, Regulation 2-1-403 Regulation 2-6-503)		Y	

IV. Source-specific Applicable Requirements

Table IV – CV Cluster 28
Source-specific Applicable Requirements
S323 – Tank A-323, S699 – Tank A-699

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Reg 8 Rule 5	**Organic Compounds - STORAGE OF ORGANIC LIQUIDS (11/27/02)**		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO	Y	
8-5-111.1.1	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO; 3 day prior notification	Y	
8-5-111.1.2	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO; Telephone notification	Y	
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service; Compliance before notification	Y	
8-5-111.4	Limited Exemption, Tank Removal From and Return to Service; Use of vapor recovery	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; 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	
8-5-112.1	Limited Exemption, Tanks in Operation; Notice to the APCO	Y	
8-5-112.1.1	Limited Exemption, Tanks in Operation; Notice to the APCO; 3 day prior notification	Y	
8-5-112.1.2	Limited Exemption, Tanks in Operation; Notice to the APCO; Telephone notification	Y	
8-5-112.2	Limited Exemption, Tanks in Operation; Compliance and certification before commencement of work	Y	
8-5-112.3	Limited Exemption, Tanks in Operation; No product movement; minimization of emissions	Y	
8-5-112.4	Limited Exemption, Tanks in Operation; Exemption does not exceed 7 days	Y	
8-5-301	Storage Tank Control Requirements	Y	
8-5-302	Requirements for Submerged Fill Pipes	Y	
8-5-303	Requirements for Pressure Vacuum Valve	Y	

IV. Source-specific Applicable Requirements

Table IV – CV Cluster 28
Source-specific Applicable Requirements
S323 – Tank A-323, S699 – Tank A-699

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
8-5-306	Requirements for Approved Emission Control Systems		Y	
8-5-328	Tank Degassing Requirements		Y	
8-5-403	Inspection Requirements for Pressure Vacuum Valves		Y	
8-5-404	Certification		Y	
8-5-405	Information Required		Y	
8-5-501	Records		Y	
8-5-502	Tank Degassing Annual Source Test Requirement		Y	
8-5-503	Portable Hydrocarbon Detector		Y	
	Requirement for S699			
BAAQMD Reg 8 Rule 8	**Organic Compounds – OIL WATER SEPARATORS (6/15/94)**			
8-8-305	Oil-Water Separator And/Or Air Flotation Unit Slop Oil Vessels		Y	
8-8-305.2	Requirement for 70% collection and destruction efficiency, by weight		Y	
Refinery MACT	**NESHAP for Petroleum Refineries REQUIREMENTS FOR FIXED ROOF TANK-CONTROL DEVICE**		Y	
63.642(e)	**General recordkeeping requirements:** Time period for keeping records, unless specified otherwise.	63.642(e) & 63.654(i)(4) **keep all other records 5 years, retrievable within 24 hr**	Y	
	General recordkeeping requirements: Keep all reports and notification for the specified period of time.	63.642(e) & 63.654(i)(4) **required**	Y	
63.646(a)	**The source only needs to comply with the provisions as they relate to an exisitn fixed roof tank vented via a closed vent system to a control device.**		Y	
	Control device Performance requirements:	63.646(a) & (d) 63.119(e) **at least 95% efficient (or 90% if older than 7/15/94), or a flare per 63.11(b)**	Y	
	Control device (other than flare) Compliance demonstration:	63.646(a) 63.120(d) **design evaluation or performance test, plus monitoring plan** {30-day notice required prior to performance tests, per 63.642(d)(2)}	Y	

IV. Source-specific Applicable Requirements

Table IV – CV Cluster 28
Source-specific Applicable Requirements
S323 – Tank A-323, S699 – Tank A-699

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	Control device (other than flare) Operating requirements:	63.646(a) 63.120(d) **operate such that the monitored parameters remain within the specified ranges**	Y	
	Closed vent system Performance requirements:	63.646(a) 63.120(d)(6) & 63.148 **no detectable emissions (i.e., < 500 ppm)**	Y	
63.646(g)	**Failure to perform inspections and required monitoring is a violation of the applicable standard.**		Y	
63.654(g), (h) and (i)	The source only needs to comply with provisions as they relate to existing fixed roof tank vented via a closed vent system to a control device.		Y	
63.654(g)	Report of periodic inspections, etc. AFTER documenting initial compliance?	63.654(g) **begin Sept 13, 1999 then semiannual**	Y	
	Periodic Reports: Miscellaneous additional info to report:	63.654(g)(5)(i) & (ii) **for tanks routed to a control device other-than a flare, semiannual reports of planned routine maintenance and all periods of monitored parameter excursions** *	Y	
	Periodic Reports: Tanks routed to a flare:	63.654(g)(5)(i) & (iii) **semiannual reports of planned routine maintenance and all periods in which the flare was not in compliance** *	Y	
63.654(h)	Report applicability for varying-use tanks?	63.654(h)(6)(ii) **w/the initial NOC Status report**	Y	
	Other (initial) Reports: Report applicability for varying-use tanks?	63.654(h)(6)(ii) **required with the initial Notification of Compliance Status report**	Y	
63.654(i)	**Applicability records:** Time period for keeping records of applicability determination, unless specified otherwise.	63.654(i)(1) 63.123(a) **Keep record readily accessible for the service life of the tank**	Y	

IV. Source-specific Applicable Requirements

Table IV – CV Cluster 28
Source-specific Applicable Requirements
S323 – Tank A-323, S699 – Tank A-699

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	Applicability records: Records of dimensions & capacity required for nonexempt tanks?	63.654(i)(1) 63.646(a)&63.119(a)(3) 63.123(a) **Required** **Keep record readily accessible for service life of the tank ***	Y	
	Recordkeeping for inspections: Keep inspection reports as specified.	63.654(i)(1) 63.123(c) - (e) **all inspections**	Y	
	Recordkeeping for tanks routed to a control device other than a flare:	63.654(i)(1) 63.123(f) **records of parametric monitoring data and planned routine maintenance ***	Y	
	Recordkeeping for tanks routed to a flare:	63.654(i)(1) 63.123(f) **records of planned routine maintenance ***	Y	
	Recordkeeping for delayed repairs: When utilizing a delay of repair provision, keep documentation of the reason for the delay.	63.654(i)(1) 63.123 (g) **required**	Y	
	Applicability records: Additional recordkeeping requirements for certain tanks.	63.654(i)(1)(iv) **determination of HAP content** **Keep record readily accessible for service life of the tank**	Y	
BAAQMD Condition # 3996	**Permit Conditions for S699**			
Part 1	Design specifications (basis: cumulative increase)		Y	
Part 2	Requirements for Pressure/Vacuum Relief Valve, Including Settings (basis: cumulative increase))		Y	
Part 3	Pressure regulator settings (basis: cumulative increase)		Y	
Part 4	Vacuum regulator set pressures (basis: cumulative increase)		Y	
BAAQMD Condition # 13605	**Permit Conditions for S323**			
Part 1	Throughput limitations (basis: cumulative increase)		Y	

IV. Source-specific Applicable Requirements

Table IV – CV Cluster 28
Source-specific Applicable Requirements
S323 – Tank A-323, S699 – Tank A-699

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 2	Storage of materials other than methanol or gasoline or alkylate gasoline blending components (basis: cumulative increase, toxics)	Y	
Part 3	Requirement for continuous abatement and leak limitation (basis: cumulative increase, NSPS)	Y	
Part 4	Source Test for S-323 abatement A-14 (99.5% efficiency)	Y	
Part 5	Record keeping (basis: cumulative increase, toxics)	Y	
BAAQMD Condition # 21053			
Part 3	Source Test for S-323 abatement A-14 (99.5% efficiency)	N	04/01/04
BAAQMD Condition # 19528			
Part 1	Throughput limit (basis: Regulation 2-1-234.3, Regulation 2-1-403 Regulation 2-6-503)	Y	
BAAQMD Condition # 19528			
Part 6	Monitoring requirements for control device (basis: 63.646(a), 63.120(d)(5))	Y	

Table IV – CW Cluster 28
Source-specific Applicable Requirements
S317 – Tank A-317, S324 – Tank A-324, S431 – Tank A-431, S432 – Tank A-432, S457 – Tank A-457

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Reg 8 Rule 5	**Organic Compounds - STORAGE OF ORGANIC LIQUIDS (11/27/02)**		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO	Y	

IV. Source-specific Applicable Requirements

Table IV – CW Cluster 28
Source-specific Applicable Requirements
S317 – Tank A-317, S324 – Tank A-324, S431 – Tank A-431, S432 – Tank A-432, S457 – Tank A-457

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-5-111.1.1	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO; 3 day prior notification	Y	
8-5-111.1.2	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO; Telephone notification	Y	
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service; Compliance before notification	Y	
8-5-111.4	Limited Exemption, Tank Removal From and Return to Service; Use of vapor recovery	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; 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	
8-5-112.1	Limited Exemption, Tanks in Operation; Notice to the APCO	Y	
8-5-112.1.1	Limited Exemption, Tanks in Operation; Notice to the APCO; 3 day prior notification	Y	
8-5-112.1.2	Limited Exemption, Tanks in Operation; Notice to the APCO; Telephone notification	Y	
8-5-112.2	Limited Exemption, Tanks in Operation; Compliance and certification before commencement of work	Y	
8-5-112.3	Limited Exemption, Tanks in Operation; No product movement; minimization of emissions	Y	
8-5-112.4	Limited Exemption, Tanks in Operation; Exemption does not exceed 7 days	Y	
8-5-301	Storage Tank Control Requirements	Y	
8-5-302	Requirements for Submerged Fill Pipes	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	
8-5-403	Inspection Requirements for Pressure Vacuum Valves	Y	
8-5-404	Certification	Y	
8-5-405	Information Required	Y	

IV. Source-specific Applicable Requirements

Table IV – CW Cluster 28
Source-specific Applicable Requirements
S317 – Tank A-317, S324 – Tank A-324, S431 – Tank A-431, S432 – Tank A-432, S457 – Tank A-457

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
8-5-501	Records		Y	
8-5-502	Tank Degassing Annual Source Test Requirement		Y	
8-5-503	Portable Hydrocarbon Detector		Y	
Refinery MACT	**NESHAP for Petroleum Refineries** **REQUIREMENTS FOR FIXED ROOF TANK-CONTROL DEVICE**		Y	
63.642(e)	**General recordkeeping requirements:** Time period for keeping records, unless specified otherwise.	63.642(e) & 63.654(i)(4) **keep all other records 5 years, retrievable within 24 hr**	Y	
	General recordkeeping requirements: Keep all reports and notification for the specified period of time.	63.642(e) & 63.654(i)(4) **required**	Y	
63.646(a)	**The source only needs to comply with the provisions as they relate to an exisitn fixed roof tank vented via a closed vent system to a control device.**		Y	
	Control device Performance requirements:	63.646(a) & (d) 63.119(e) **at least 95% efficient (or 90% if older than 7/15/94), or a flare per 63.11(b)**	Y	
	Control device (other than flare) Compliance demonstration:	63.646(a) 63.120(d) **design evaluation or performance test, plus monitoring plan** {30-day notice required prior to performance tests, per 63.642(d)(2)}	Y	
	Control device (other than flare) Operating requirements:	63.646(a) 63.120(d) **operate such that the monitored parameters remain within the specified ranges**	Y	
	Closed vent system Performance requirements:	63.646(a) 63.120(d)(6) & 63.148 **no detectable emissions (i.e., < 500 ppm)**	Y	

IV. Source-specific Applicable Requirements

Table IV – CW Cluster 28
Source-specific Applicable Requirements
S317 – Tank A-317, S324 – Tank A-324, S431 – Tank A-431, S432 – Tank A-432, S457 – Tank A-457

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
63.646(g)	**Failure to perform inspections and required monitoring is a violation of the applicable standard.**		Y	
63.654(g), (h) and (i)	The source only needs to comply with provisions as they relate to existing fixed roof tank vented via a closed vent system to a control device.		Y	
63.654(g)	Report of periodic inspections, etc. AFTER documenting initial compliance?	63.654(g) **begin Sept 13, 1999 then semiannual**	Y	
	Periodic Reports: Miscellaneous additional info to report:	63.654(g)(5)(i) & (ii) **for tanks routed to a control device other-than a flare, semiannual reports of planned routine maintenance and all periods of monitored parameter excursions ***	Y	
	Periodic Reports: Tanks routed to a flare:	63.654(g)(5)(i) & (iii) **semiannual reports of planned routine maintenance and all periods in which the flare was not in compliance ***	Y	
63.654(h)	Report applicability for varying-use tanks?	63.654(h)(6)(ii) **w/the initial NOC Status report**	Y	
	Other (initial) Reports: Report applicability for varying-use tanks?	63.654(h)(6)(ii) **required with the initial Notification of Compliance Status report**	Y	
63.654(i)	**Applicability records:** Time period for keeping records of applicability determination, unless specified otherwise.	63.654(i)(1) 63.123(a) **Keep record readily accessible for the service life of the tank**	Y	
	Applicability records: Records of dimensions & capacity required for nonexempt tanks?	63.654(i)(1) 63.646(a)&63.119(a)(3) 63.123(a) **Required** **Keep record readily accessible for service life of the tank ***	Y	
	Recordkeeping for inspections: Keep inspection reports as specified.	63.654(i)(1) 63.123(c) - (e) **all inspections**	Y	

IV. Source-specific Applicable Requirements

Table IV – CW Cluster 28
Source-specific Applicable Requirements
S317 – Tank A-317, S324 – Tank A-324, S431 – Tank A-431, S432 – Tank A-432, S457 – Tank A-457

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	Recordkeeping for tanks routed to a control device other than a flare:	63.654(i)(1) 63.123(f) **records of parametric monitoring data and planned routine maintenance ***	Y	
	Recordkeeping for tanks routed to a flare:	63.654(i)(1) 63.123(f) **records of planned routine maintenance ***	Y	
	Recordkeeping for delayed repairs: When utilizing a delay of repair provision, keep documentation of the reason for the delay.	63.654(i)(1) 63.123 (g) **required**	Y	
	Applicability records: Additional recordkeeping requirements for certain tanks.	63.654(i)(1)(iv) **determination of HAP content** **Keep record readily accessible for service life of the tank**	Y	
BAAQMD Condition # 19528				
Part 1	Throughput limit (basis: Regulation 2-1-234.3, Regulation 2-1-403 Regulation 2-6-503)		Y	
BAAQMD Condition # 19528				
Part 6	Monitoring requirements for control device (basis: 63.646(a), 63.120(d)(5))		Y	

IV. Source-specific Applicable Requirements

Table IV – CX Cluster 28
Source-specific Applicable Requirements
S46 – Tank A-046

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Reg 8 Rule 5	**Organic Compounds - STORAGE OF ORGANIC LIQUIDS (11/27/02)**		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO	Y	
8-5-111.1.1	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO; 3 day prior notification	Y	
8-5-111.1.2	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO; Telephone notification	Y	
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service; Compliance before notification	Y	
8-5-111.4	Limited Exemption, Tank Removal From and Return to Service; Use of vapor recovery	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; 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	
8-5-112.1	Limited Exemption, Tanks in Operation; Notice to the APCO	Y	
8-5-112.1.1	Limited Exemption, Tanks in Operation; Notice to the APCO; 3 day prior notification	Y	
8-5-112.1.2	Limited Exemption, Tanks in Operation; Notice to the APCO; Telephone notification	Y	
8-5-112.2	Limited Exemption, Tanks in Operation; Compliance and certification before commencement of work	Y	
8-5-112.3	Limited Exemption, Tanks in Operation; No product movement; minimization of emissions	Y	
8-5-112.4	Limited Exemption, Tanks in Operation; Exemption does not exceed 7 days	Y	
8-5-301	Storage Tank Control Requirements	Y	
8-5-302	Requirements for Submerged Fill Pipes	Y	
8-5-303	Requirements for Pressure Vacuum Valve	Y	
8-5-306	Requirements for Approved Emission Control Systems	Y	

IV. Source-specific Applicable Requirements

Table IV – CX Cluster 28
Source-specific Applicable Requirements
S46 – Tank A-046

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
8-5-328	Tank Degassing Requirements		Y	
8-5-403	Inspection Requirements for Pressure Vacuum Valves		Y	
8-5-404	Certification		Y	
8-5-405	Information Required		Y	
8-5-501	Records		Y	
8-5-502	Tnk Degassing Annual Source Test Requirement		Y	
8-5-503	Portable Hydrocarbon Detector		Y	
Refinery MACT	**NESHAP for Petroleum Refineries** **REQUIREMENTS FOR FIXED ROOF TANK-CONTROL DEVICE**		Y	
63.642(e)	**General recordkeeping requirements:** Time period for keeping records, unless specified otherwise.	63.642(e) & 63.654(i)(4) **keep all other records 5 years, retrievable within 24 hr**	Y	
	General recordkeeping requirements: Keep all reports and notification for the specified period of time.	63.642(e) & 63.654(i)(4) **required**	Y	
63.646(a)	**The source only needs to comply with the provisions as they relate to an exisitn fixed roof tank vented via a closed vent system to a control device.**		Y	
	Control device Performance requirements:	63.646(a) & (d) 63.119(e) **at least 95% efficient (or 90% if older than 7/15/94), or a flare per 63.11(b)**	Y	
	Control device (other than flare) Compliance demonstration:	63.646(a) 63.120(d) **design evaluation or performance test, plus monitoring plan** {30-day notice required prior to performance tests, per 63.642(d)(2)}	Y	
	Control device (other than flare) Operating requirements:	63.646(a) 63.120(d) **operate such that the monitored parameters remain within the specified ranges**	Y	
	Closed vent system Performance requirements:	63.646(a) 63.120(d)(6) & 63.148 **no detectable emissions (i.e., < 500 ppm)**	Y	

IV. Source-specific Applicable Requirements

Table IV – CX Cluster 28
Source-specific Applicable Requirements
S46 – Tank A-046

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
63.646(g)	**Failure to perform inspections and required monitoring is a violation of the applicable standard.**		Y	
63.654(g), (h) and (i)	The source only needs to comply with provisions as they relate to existing fixed roof tank vented via a closed vent system to a control device.		Y	
63.654(g)	Report of periodic inspections, etc. AFTER documenting initial compliance?	63.654(g) **begin Sept 13, 1999 then semiannual**	Y	
	Periodic Reports: Miscellaneous additional info to report:	63.654(g)(5)(i) & (ii) **for tanks routed to a control device other-than a flare, semiannual reports of planned routine maintenance and all periods of monitored parameter excursions ***	Y	
	Periodic Reports: Tanks routed to a flare:	63.654(g)(5)(i) & (iii) **semiannual reports of planned routine maintenance and all periods in which the flare was not in compliance ***	Y	
63.654(h)	Report applicability for varying-use tanks?	63.654(h)(6)(ii) **w/the initial NOC Status report**	Y	
	Other (initial) Reports: Report applicability for varying-use tanks?	63.654(h)(6)(ii) **required with the initial Notification of Compliance Status report**	Y	
63.654(i)	**Applicability records:** Time period for keeping records of applicability determination, unless specified otherwise.	63.654(i)(1) 63.123(a) **Keep record readily accessible for the service life of the tank**	Y	
	Applicability records: Records of dimensions & capacity required for nonexempt tanks?	63.654(i)(1) 63.646(a)&63.119(a)(3) 63.123(a) **Required** **Keep record readily accessible for service life of the tank ***	Y	
	Recordkeeping for inspections: Keep inspection reports as specified.	63.654(i)(1) 63.123(c) - (e) **all inspections**	Y	

IV. Source-specific Applicable Requirements

Table IV – CX Cluster 28
Source-specific Applicable Requirements
S46 – Tank A-046

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	Recordkeeping for tanks routed to a control device other than a flare:	63.654(i)(1) 63.123(f) **records of parametric monitoring data and planned routine maintenance ***	Y	
	Recordkeeping for tanks routed to a flare:	63.654(i)(1) 63.123(f) **records of planned routine maintenance ***	Y	
	Recordkeeping for delayed repairs: When utilizing a delay of repair provision, keep documentation of the reason for the delay.	63.654(i)(1) 63.123 (g) **required**	Y	
	Applicability records: Additional recordkeeping requirements for certain tanks.	63.654(i)(1)(iv) **determination of HAP content** **Keep record readily accessible for service life of the tank**	Y	
BAAQMD Condition # 19528				
Part 1	Throughput limit (basis: Regulation 2-1-234.3, Regulation 2-1-403 Regulation 2-6-503)		Y	
BAAQMD Condition # 19528				
Part 6	Monitoring requirements for control device (basis: 63.646(a), 63.120(d)(5))		Y	

Table IV – CXa
Source-specific Applicable Requirements
S1508 – Tanks A-906 and A-907 Avon Wharf Slop Oil Tanks

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Reg 8 Rule 2	**Organic Compounds MISCELLANEOUS OPERATIONS (7/20/2005)**		
8-2-301	Miscellaneous Operations	Y	

IV. Source-specific Applicable Requirements

Table IV – CXa
Source-specific Applicable Requirements
S1508 – Tanks A-906 and A-907 Avon Wharf Slop Oil Tanks

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Condition # 23486			
Part 1	Throughput limit (basis: Cumulative Increase)	Y	
Part 2	Materials collected in S-1508	Y	
Part 4	Recordkeeping	Y	

Table IV – Da
Source-specific Applicable Requirements
S1487 TANK 38 FIRE-WATER PUMP DIESEL ENGINE , S1488 CANAL FIRE-WATER PUMP DIESEL ENGINE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann Number 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Regulation 9, Rule 1	**Inorganic Gaseous Pollutants - Sulfur Dioxide (3/15/95; SIP approved 5/20/92))**		
9-1-301	Limitations on Ground Level Concentrations	Y	
9-1-304	Fuel Burning (Liquid and Solid Fuels)	Y	
BAAQMD Regulation 9, Rule 8	**Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon Monoxide from Stationary Internal Combustion Engines (1/20/93)**		
9-8-330	Emergency Standby Engines, Hours of Operation	N	
9-8-530	Emergency Standby Engines, Monitoring and Recordkeeping	N	
BAAQMD Condition # 20672	S-1487: Parts A1 through A-9 S-1488: Parts B1 through B-10		
Part A1	Hours of operation limit for reliability-related activities (basis: Regulation 9-8-330)	N	
Part A2	Emergency use (basis: Regulation 9-8-231)	N	
Part A3	Reliability-related activities (basis: Regulation 9-8-232)	N	

IV. Source-specific Applicable Requirements

Table IV – Da
Source-specific Applicable Requirements
S1487 TANK 38 FIRE-WATER PUMP DIESEL ENGINE , S1488 CANAL FIRE-WATER PUMP DIESEL ENGINE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part A4	Monitoring (basis: Regulation 9-8-530)	N	
Part A5	NOx limit of 9.65 g/bhp-hr (basis: BACT)	Y	
Part A6	CO limit of 1.71 g/bhp-hr (basis: BACT)	Y	
Part A7	Recordkeeping (basis: Regulation 9-8-530, 1-441)	N	
Part A8	Fuel requirements (basis: BACT)	Y	
Part A9	Startup Source Test Requirements	Y	
Part B1	Hours of operation limit for reliability-related activities (basis: Regulation 9-8-330)	N	
Part B2	Emergency use (basis: Regulation 9-8-231)	N	
Part B3	Reliability-related activities (basis: Regulation 9-8-232)	N	
Part B4	Monitoring (basis: Regulation 9-8-530)	N	
Part B5	NOx limit of 8.0 g/bhp-hr (basis: BACT)	Y	
Part B6	CO limit of 1.15 g/bhp-hr (basis: BACT)	Y	
Part B7	PM10 limit of 0.22 g/bhp-hr (basis: BACT)	Y	
Part B8	Recordkeeping (basis: Regulation 9-8-530, 1-441)	Y	
Part B9	Fuel requirements (basis: BACT)	Y	
Part B10	Startup Source Test Requirements	Y	

Table IV – Db (Amorco Wharf)
Source-specific Applicable Requirements
S56 ON-SHORE FIRE-WATER PUMP DIESEL ENGINE , S57 OFF-SHORE/WHARF FIRE-WATER PUMP DIESEL ENGINE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann Number 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Regulation 9, Rule 1	**Inorganic Gaseous Pollutants - Sulfur Dioxide (3/15/95; SIP approved 5/20/92))**		
9-1-301	Limitations on Ground Level Concentrations	Y	
9-1-304	Fuel Burning (Liquid and Solid Fuels)	Y	
BAAQMD Regulation 9,	**Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon Monoxide from Stationary Internal Combustion Engines (1/20/93)**		

IV. Source-specific Applicable Requirements

Table IV – Db (Amorco Wharf)
Source-specific Applicable Requirements
S56 ON-SHORE FIRE-WATER PUMP DIESEL ENGINE , S57 OFF-SHORE/WHARF FIRE-WATER PUMP DIESEL ENGINE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Rule 8			
9-8-330	Emergency Standby Engines, Hours of Operation	N	
9-8-530	Emergency Standby Engines, Monitoring and Recordkeeping	N	
BAAQMD Condition # 20573	S56: S57 Parts 1 through 5 S57: S57 Parts 1 through 6		
S56: Part 1	Hours of operation limit for reliability-related activities (basis: Regulation 9-8-330)	N	
S56: Part 2	Emergency use (basis: Regulation 9-8-231)	N	
S56: Part 3	Reliability-related activities (basis: Regulation 9-8-232)	N	
S56: Part 4	Monitoring (basis: Regulation 9-8-530)	N	
S56: Part 5	Recordkeeping (basis: Regulation 9-8-530, 1-441)	N	
S57: Part 1	Hours of operation limit for reliability-related activities (basis: Regulation 9-8-330)	N	
S57: Part 2	Emergency use (basis: Regulation 9-8-231)	N	
S57: Part 3	Reliability-related activities (basis: Regulation 9-8-232)	N	
S57: Part 4	Monitoring (basis: Regulation 9-8-530)	N	
S57: Part 5	Recordkeeping (basis: Regulation 9-8-530, 1-441)	N	
S57: Part 6	Fuel requirements (basis: BACT)	Y	

Table IV – Dc
Source-specific Applicable Requirements
S1499 NO. 1 PUMP STATION SPARE DIESEL PUMP, S1500 CHEM PLANT AIR COMPRESSOR DIESEL ENGINE, S1501 CHEM PLANT LORAIN CRANE DIESEL ENGINE, S1502 HIGH PRESSURE WATER BLASTER #1 DIESEL ENGINE (200 HP), S1503 HIGH PRESSURE WATER BLASTER #2 DIESEL ENGINE (152 HP)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann Number 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Regulation 9,	**Inorganic Gaseous Pollutants - Sulfur Dioxide (3/15/95; SIP approved**		

IV. Source-specific Applicable Requirements

Table IV – Dc
Source-specific Applicable Requirements
S1499 No. 1 Pump
Station Spare Diesel Pump, S1500 Chem Plant Air Compressor Diesel Engine, S1501 Chem Plant Lorain Crane Diesel Engine, S1502 High Pressure Water Blaster #1 Diesel Engine (200 HP), S1503 High Pressure Water Blaster #2 Diesel Engine (152 HP)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Rule 1	**5/20/92))**		
9-1-301	Limitations on Ground Level Concentrations	Y	
9-1-304	Fuel Burning (Liquid and Solid Fuels)	Y	
BAAQMD Regulation 9, Rule 8	**Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon Monoxide from Stationary Internal Combustion Engines (1/20/93)**		
9-8-110.1	Limited Exemption from 9-8-301, 302, and 502 for engines rated less than 250 brake horsepower.	N	

Table IV – Dd
Source-specific Applicable Requirements
S1469 Emergency Standby Diesel Engine, S1471 Emergency Standby Diesel Engine, S1472 Emergency Standby Diesel Engine, S1474 Emergency Standby Diesel Engine, S1477 Emergency Standby Diesel Engine, S1486 Emergency Standby Diesel Engine, S1475 Portable Emergeancy Standby Diesel Engine, S1476 Portable Emergency Standby Diesel Engine

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann Number 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Regulation 9, Rule 1	**Inorganic Gaseous Pollutants - Sulfur Dioxide (3/15/95; SIP approved 5/20/92))**		
9-1-301	Limitations on Ground Level Concentrations	Y	
9-1-304	Fuel Burning (Liquid and Solid Fuels)	Y	
BAAQMD Regulation 9, Rule 8	**Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon Monoxide from Stationary Internal Combustion Engines (1/20/93)**		
9-8-330	Emergency Standby Engines, Hours of Operation	N	
9-8-530	Emergency Standby Engines, Monitoring and Recordkeeping	N	

IV. Source-specific Applicable Requirements

Table IV – Dd
Source-specific Applicable Requirements
S1469 EMERGENCY STANDBY DIESEL ENGINE, S1471 EMERGENCY STANDBY DIESEL ENGINE, S1472 EMERGENCY STANDBY DIESEL ENGINE, S1474 EMERGENCY STANDBY DIESEL ENGINE, S1477 EMERGENCY STANDBY DIESEL ENGINE, S1486 EMERGENCY STANDBY DIESEL ENGINE, S1475 PORTABLE EMERGEANCY STANDBY DIESEL ENGINE, S1476 PORTABLE EMERGENCY STANDBY DIESEL ENGINE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Condition # 18946	S1469, S1471, S1472, S1474, S1477, and S1486 only		
Part 1	Hours of operation limit for reliability-related activities (basis: Regulation 9-8-330)	N	
Part 2	Emergency use (basis: Regulation 9-8-231)	N	
Part 3	Reliability-related activities (basis: Regulation 9-8-232)	N	
Part 4	Monitoring (basis: Regulation 9-8-530)	N	
Part 5	Recordkeeping (basis: Regulation 9-8-530, 1-441)	N	
BAAQMD Condition # 18947	S1475 ans S1476 only		
Part 1	Portability Requirements (basis: Regulation 2-1-220)	N	
Part 2	Fixed location requirements (basis: Regulation 2-1-220)	N	
Part 3	Reporting vilation of parts 1 and/or 2 to Compliance and Enforcement (basis: compliance verification)	N	
Part 4	Fuel limit (basis: cumulative increase)	N	
Part 5	Hour limit (basis: cumulative increase)	N	
Part 6	Fuel requirements (basis: cumulative increase)	N	
Part 7	~~Ringlemann~~Ringelmann 1 or 20% opacity limitation (basis: Regulation 6)	Y	
Part 8	Public Nuisance (basis: Regulation 6)	Y	
Part 9	No operation within 1000 feet of a school without an application (basis: Regulation 2-1-412)	N	
Part 10	Recordkeeping (basis: recordkeeping)	N	
Part 11	Three day advance notice before operation in a new location (basis: reporting)	N	
Part 12	Year end summary/report (basis: reporting)	N	

IV. Source-specific Applicable Requirements

Table IV- CZ
Fugitive Sources: Applicable Requirements

Process Unit	BAAQMD Reg. 8-18	BAAQMD Reg. 8-28	NSPS Part 60, Subpart GGG; BAAQMD Reg. 10-59 Note 4	NSPS Part 60, Subpart QQQ; BAAQMD Reg. 10-69 Note 4	NESHAP Part 61, Subpart J Note 5	NESHAP Part 61, Subpart FF; BAAQMD Reg. 11-12	NESHAP Part 61, Subpart V; BAAQMD Reg. 11-7 Note 6	NESHAP Part 63, Subpart CC Note 7
Area 1 - Fluid Coker	X	X						X
Area 1 - Delayed Coker	X	X	X	X		X		X
Area 1 - Gas Plant #5	X	X						X
Area 1 - Boiler House #5	X	X						No
Area 2 - Cat Cracker	X	X						X
Area 2 - Gas Plant #4	X	X						X
Area 2 - Feed Prep #1	X	X						X
Area 2 - Feed Prep #2	X	X						X
Area 2 - Cracking Plat (DEA)	X	X						X
Area 2 - Foul Water	X	X						X
Area 2 - Flare Complex	X	X						X
Area 2 - FCCU (Boiler #7)	X	X						No [2]
Area 2 - Crude #3	X	X						X
Area 2 - Cracking Plat (Pump/Stor)	X	X						X
Area 3 - HDS Plant #2	X	X		X				X
Area 3 - HDS Plant #1	X	X		X				X
Area 3 - HCR 1st Stage (HDN)	X	X						X
Area 3 - HCR 2nd Stage (Hydrocracker)	X	X						X
Area 3 - Hydrogen Plant #1	X	X						X
Area 4 - Reformer #2	X	X			X		X	X
Area 4 - Isom #1	X	X						X
Area 4 - Gas Plant #1	X	X						No [1]
Area 4 - Clarifying	X	X						X
Area 4 - Alkylation Plant	X	X						X
Area 4 - Reformer #3	X	X						X
Area 4 - HDS Plant #3	X	X						No [2]
Area 4 – MTBE/Iso-Octene	X	X	X	X				X
Area 4 - Benzene Saturation	X	X	X		X		X	X
Area 5 - Boiler House #6	X	X						X
Area 5 - API Separator	X	X		X				X

IV. Source-specific Applicable Requirements

Table IV- CZ
Fugitive Sources: Applicable Requirements

Process Unit	BAAQMD Reg. 8-18	BAAQMD Reg. 8-28	NSPS Part 60, Subpart GGG; BAAQMD Reg. 10-59 Note 4	NSPS Part 60, Subpart QQQ; BAAQMD Reg. 10-69 Note 4	NESHAP Part 61, Subpart J Note 5	NESHAP Part 61, Subpart FF; BAAQMD Reg. 11-12	NESHAP Part 61, Subpart V; BAAQMD Reg. 11-7 Note 6	NESHAP Part 63, Subpart CC Note 7
Area 5 - Fire Grounds	X	X						No [2]
Area 5 - Transportation	X	X						No [2]
Area 6 - Avon Wharf	X	X						X
Area 6 - Unit #50	X	X						X
Area 6 - Main Pump House #2	X	X						X
Area 6 - Amorco Wharf	X	X						
Area 6 - Tract #3 LPG Shipping	X	X						No [2]
Area 6 - Tract #3 Booster Pump Hse	X	X						X
Area 6 - Tract #3 Shipping	X	X						X
Area 6 - Tract #6 (Gaso Blending)	X	X						X
Area 6 - Tract #4 (LPG)	X	X						No [2]
Area 6 - Tract #3 (Gauger)	X	X						X
Area 6 - Tract #4 (Storage Tanks)	X	X						X
Area 6 - Tract #6 (Pump/Stor)	X	X						X
Area 7 - Chem Plant (Scot)	X	X						No [23]
Area 7 - Chem Plant (Ammonia)	X	X						No [23]
Area 7 - Chem Plant (Sulfur)	X	X						No [23]
Area 7 - Chem Plant (Acid)	X	X						No [2 3]
Area 7 - Chem Plant (DEA)	X	X						X [3]

Note 1 – Refinery MACT is not applicable to fuel gas systems or emission points routed to fuel gas systems{63.640 (d)(5)}.

Note 2 – HAPs expected to be < 4%.

Note 3 – Petroleum refining process units include sulfur plants {63.641, see definition of "petroleum refining process unit"}.

Note 4 – Provisions of this subpart only apply to affected facilities.

Note 5 – Provisions only apply to pumps, compressors, pressure relief devices, sampling connection systems, open-ended valves or lines, valves, connectors, surge control vessels, bottoms receivers, and control devices in benzene service as defined at 40 CFR 61.111.

Note 6 - Provisions only apply to pumps, compressors, pressure relief devices, sampling connection systems, open-ended valves or lines, valves, connectors, surge control vessels, bottoms receivers, and control devices in volatile hazardous air pollutant service as defined at 40 CFR 61.241.

Note 7 - Provisions only apply to affected facilities defined at 40 CFR 63.648 in organic hazardous air pollutant (HAP) service as defined at 40 CFR 63.641.

IV. Source-specific Applicable Requirements

Table IV – DA
Applicable Requirements
COMPONENTS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8-18	**Organic Compounds-Equipment Leaks (3/18/98)**		
8-18-100	General/Applicability	Y	
8-18-200	Definitions	Y	
8-18-301	General Standard	Y	
8-18-302	Valves	Y	
8-18-303	Pumps and compressors	Y	
8-18-304	Connections	Y	
8-18-305	Pressure relief devices	Y	
8-18-306	Non-repairable equipment	Y	
8-18-307	Liquid Leaks	Y	
8-18-308	Alternate compliance	Y	
8-18-401	Inspection	Y	
8-18-402	Identification	Y	
8-18-403	Visual inspection schedule	Y	
8-18-404	Alternate inspection schedule	Y	
8-18-405	Alternate inspection reduction plan	Y	
8-18-406	Interim Compliance	Y	
8-18-501	Portable Hydrocarbon Detector	Y	
8-18-502	Records	Y	
BAAQMD Regulation 8-28	**Episodic Releases From Pressure Relief Devices at Petroleum Refineries and Chemical Plants (3/18/98)**	N	
8-28-100	General/Applicability	N	
8-28-200	Definitions	N	
8-28-302	Pressure Relief Devices at New or Modified Sources at Petroleum Refineries	N	
8-28-303	Pressure Relief Devices at Existing Sources at Petroleum Refineries	N	
8-28-304	Repeat Releases - Pressure Relief Devices at Petroleum Refineries	N	
8-28-401	Reporting at Petroleum Refineries and Chemical Plants	N	
8-28-402	Inspection	N	
8-28-403	Records	N	
8-28-404	Identification	N	
8-28-405	Prevention Measures Procedures	N	

IV. Source-specific Applicable Requirements

Table IV – DA
Applicable Requirements
COMPONENTS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
SIP Regulation 8, Rule 28	**Pressure Relief Valves at Petroleum Refineries and Chemical Plants (6/15/94)**	Y	
8-28-301	Pressure Relief Valve	Y	
8-28-401	Reporting	Y	
8-28-402	Inspection	Y	
8-28-403	Records	Y	
8-28-404	Identification	Y	
40 CFR Part 60 Subpart A	**General Provisions**	**Y**	
60.1	Applicability	Y	
60.2	Definitions	Y	
60.3	Units and abbreviations	Y	
60.4	Address	Y	
60.5	Determination of construction or modification	Y	
60.6	Review of plans	Y	
60.7	Notification and record keeping	Y	
60.8	Performance tests	Y	
60.9	Availability of information	Y	
60.10	State authority	Y	
60.11	Compliance with standards and maintenance requirements	Y	
60.12	Circumstances	Y	
60.13	Monitoring requirements	Y	
60.14	Modifications	Y	
60.15	Reconstruction	Y	
60.16	Priority list	Y	
60.17	Incorporation by reference	Y	
60.18	General control device requirements	Y	
60.19	General notification and reporting requirements	Y	
NSPS Part 60 Subpart VV; BAAQMD Regulation 10-52	**Standards of Performance for Equipment Leaks (Fugitive Emission Sources) (8/18/95); BAAQMD Standards of Performance for New Stationary Sources (12/20/95)**		
60.480	Applicability and designation of affected facility	Y	

IV. Source-specific Applicable Requirements

Table IV – DA
Applicable Requirements
COMPONENTS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.480(d)	An affected facility that qualifies for one or more exemption from 60.482 shall maintain records as required in 60.486(i).	Y	
60.482-1	Standards: General	Y	
60.482-1(b)	Compliance with 60.482-1 to 60.482-10 will be determined….	Y	
60.482-1(d)	Equipment that is in vacuum service is excluded from the requirements of 60.482-2 to 60.482-10 if it is identified as required in 60.486(e)(5).	Y	
60.482-2	Standards: Pumps in light liquid service	Y	
60.482-2(a)(1)	Monthly monitoring of each pump, except for 60.482-2(d).	Y	
60.482-2(a)(2)	Weekly visual inspection of each pump.	Y	
60.482-2(b)(1)	Air measurement instrument reading >10,000 ppm indicates leak	Y	
60.482-2(b)(2)	Dripping liquid from pump seal indicates leak	Y	
60.482-2(c)(1)	Leak repaired within 15 calendar days, except as provided in 60.482-9.	Y	
60.482-2(c)(2)	First attempt at leak repair made within 5 calendar days.	Y	
60.482-2(d)	Pump with dual-mechanical seal system that includes barrier fluid system and meets specified requirements is exempt from 60.482-2(a).	Y	
60.482-2(g)	Pump designated, per 60.486(f)(1), as unsafe-to-monitor pump is exempt from 60.482-2(a) and (d)(4) through (d)(6) if hazard documented and written monitoring plan is followed.	Y	
60.482-2(h)	Any pump located in an unmanned plant site is exempt from the requirements of 60.482-2(a)(2), (d)(4) and (d)(5) provided each pump is visually inspected as often as practicable and at least monthly.	Y	
60.482-3	Standards: Compressor	Y	
60.482-3(a)	Each compressor equipped with seal system that includes a barrier fluid system and prevents leakage of VOC to atmosphere.	Y	
60.482-3(b)	Each compressor seal system operated with barrier fluid at pressure greater than compressor stuffing box pressure; or equipped with system that purges barrier fluid into process stream with zero emissions to atmosphere.	Y	
60.482-3(c)	Barrier fluid system shall be in heavy liquid service.	Y	
60.482-3(d)	Each barrier fluid system equipped with sensor that detects failure of seal system, barrier fluid system or both.	Y	
60.482-3(e)(1)	Each sensor shall be checked daily or shall be equipped with an audible alarm.	Y	
60.482-3(e)(2)	Owner shall determine a criterion that indicates failure of seal system, barrier fluid system, or both.	Y	
60.482-3(f)	If sensor indicates failure based on criterion established in 60.482-3(e)(2), a leak is detected.	Y	
60.482-3(g)(1)	Leak shall be repaired within 15 calendar days, except as provided in 60.482-9.	Y	
60.482-3(g)(2)	First attempt at repair shall be made within 5 calendar days.	Y	

IV. Source-specific Applicable Requirements

Table IV – DA
Applicable Requirements
COMPONENTS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.482-3(j)	Existing reciprocating compressor in a process unit that becomes an affected facility is exempt from 60.482-3(a) through (e) and (h) if recasting distance piece or replacing compressor are only options for compliance.	Y	
60.482-4	Standards: Pressure relief devices in gas/vapor service	Y	
60.482-4(a)	Except during pressure releases, pressure relief device shall be operated with no detectable emissions (< 500 ppm).	Y	
60.482-4(b)(1)	After each pressure release, pressure release device shall be returned to a condition of no detectable emissions within 5 calendar days after pressure release, except as provided in 60.482-9.	Y	
60.482-4(b)(2)	No later than 5 calendar days after pressure release, the pressure relief device shall be monitored to confirm no detectable emissions.	Y	
60.482-4(c)	Any pressure relief device that is routed to a process or fuel gas system is exempt from 60.482-4(a) and (b).	Y	
60.482-4(d)(1)	Any pressure relief devise that is equipped with a rupture disk upstream of the pressure relief device is exempt from 60.482-4(a) and (b) provided complies with 60.482-4(d)(2).	Y	
60.482-4(d)(2)	After each pressure release, a new rupture disk shall be installed upstream of the pressure relief device as soon as practicable, but no later than 5 calendar days after each pressure release, except as provided in 60.482-9.	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)	Monitor monthly to detect leaks, except as provided in 60.482-7(g) and (h) and 60.483-2.	Y	
60.482-7(b)	Instrument reading >10,000 ppm indicates leak.	Y	
60.482-7(c)	Valve that does not have a detectable leak for 2 successive months, can be monitored the first month of every quarter.	Y	
60.482-7(d)(1)	Leak shall be repaired within 15 calendar days, except as provided in 60.482-9.	Y	
60.482-7(d)(2)	First attempt at leak repair shall be made within 5 calendar days.	Y	
60.482-7(e)	Methods for first attempt at repair.	Y	
60.482-7(g)	Valve designated, per 60.486(f)(1), as unsafe-to-monitor valve is exempt from 60.482-7(a) if hazard documented and written monitoring plan is followed.	Y	
60.482-7(h)	Valve designated, per 60.486(f)(1), as difficult-to-monitor valve is exempt from 60.482-7(a) if hazard documented, less than 3% of facility valves are designated and written plan with is followed that requires monitoring at least once per year.	Y	

IV. Source-specific Applicable Requirements

Table IV – DA
Applicable Requirements
COMPONENTS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.482-8	Standards: Pumps and valves in heavy liquid service, pressure relief devices in light liquid or heavy liquid service, and flanges and other connectors.	Y	
60.482-8(a)	Monitor within 5 days if evidence of potential leak is found.	Y	
60.482-8(b)	Instrument reading >10,000 ppm indicates leak.	Y	
60.482-8(c)(1)	Leak shall be repaired within 15 calendar days, except as provided in 60.482-9.	Y	
60.482-8(c)(2)	First attempt at leak repair shall be made within 5 calendar days.	Y	
60.482-8(d)	Minimum requirements for first attempt at repair.	Y	
60.482-9	Standards: Delay of Repair		
60.482-9(a)	Delay allowed if repair is technically infeasible without a process unit shutdown and repair occurs before end of next process unit shutdown.	Y	
60.482-9(b)	Repair may be delayed for isolated equipment.	Y	
60.482-9(c)	Delay of repair for valves only allowed under certain circumstances.	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(e)	Delay of repair beyond process shutdown allowed if valve assembly replacement is required and other circumstances are met.	Y	
60.482-10(b)	Vapor recovery systems must recover VOC emissions by 95% or greater or to a concentration of 20ppmv, whichever is less stringent	Y	
60.482-10(c)	Flares used to comply with this subpart shall comply with 60.18.	Y	
60.482-10(e)	Monitoring of control devices	Y	
60.482-10(g)	First attempt at repairing leaks (> 500 ppmv) in 5 days. Repair must be completed within 15 days.	Y	
60.483-2	If a process unit has 5 consecutive quarters with <2% of valves leaking at >10,000 ppm, then any individual valve which measures <100 ppm for 5 consecutive quarters may be monitored annually.	Y	
60.485	Test Methods and Procedures	Y	
60.485(a)	Performance tests methods specified in Appendix A or 60.8(b)	Y	
60.485(b)	Method 21 for determining presence of leaking sources.	Y	
60.485(d)	Test each piece of equipment unless process unit not in VOC series.	Y	
60.485(e)	Light liquid service demonstrated by vapor pressure and if liquid at operating conditions.	Y	
60.485(f)	Samples representative of process fluid.	Y	
60.486	Record keeping Requirements	Y	
60.486(a)	Comply with recordkeeping requirements of this section.	Y	
60.486(b)	Identification and tagging requirements for leaks detected as specified in 60.482-2, 60.482-3, 60.482-7, 60.482-8, and 60.483-2.	Y	
60.486(c)	When leak detected as specified in 60.482-2, 60.482-3, 60.482-7, 60.482-8, and 60.483-2, record in log and keep for 2 years.	Y	

IV. Source-specific Applicable Requirements

Table IV – DA
Applicable Requirements
COMPONENTS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.486(d)	Information to be recorded pertaining to the design requirements for closed vent systems and control devices: designs, dates, monitoring parameters required in 60.486(e), non-operational plans, startup and shutdown dates.	Y	
60.486(e)	Information to be recorded for all equipment subject to requirements in 60.482-1 through 60.482-10.	Y	
60.486(f)	Record information pertaining to all valves subject to the requirements in 60.482-7(g) and (h).	Y	
60.486(g)	Record information pertaining to all valves subject to the requirements in 60.483-2.	Y	
60.486(h)	Record design criterion required in 60.482-2(d)(5) and 60.482-3(e)(2).	Y	
60.486(i)	Record information in log that is readily accessible for use in determining exemption as provided in 60.480(d).	Y	
60.486(j)	Records to demonstrate piece of equipment not in VOC service.	Y	
60.486(k)	Provisions of 60.7(b) and (d) do not apply if subject to VV.	Y	
60.487	Reporting Requirements	Y	
60.487(a)	Submit semiannual reports.	Y	
60.487(c)	Information to be included in semiannual reports.	Y	
60.487(e)	Report results of all performance tests in accordance with 60.8. The provisions of 60.8(d) do not apply to affected facilities subject to VV.	Y	
NSPS Part 60 Subpart GGG; BAAQMD Regulation 10-59	**Standards of Performance for Equipment Leaks (Fugitive Emission Sources) (5/30/84); BAAQMD Standards of Performance for New Stationary Sources (4/19/89)**		
40 CFR 60.590	Applicability	Y	
60.591	Definitions	Y	
60.592	Subject to provisions of Part 60, Subpart VV	Y	
60.593	Exceptions	Y	
BAAQMD Regulation 10-59	Incorporates by reference 40 CFR 60 Subpart GGG	Y	
NSPS Part 60 Subpart QQQ; BAAQMD Regulation 10-69	**Standards of Performance for VOC Emission From Petroleum Refinery Wastewater Systems (7/18/95); BAAQMD Standards of Performance for New Stationary Sources (12/20/95)**		
40 CFR 60.690	Applicability	Y	
60.691	Definitions	Y	

IV. Source-specific Applicable Requirements

Table IV – DA
Applicable Requirements
COMPONENTS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.692-5	Closed-vent systems and control devices Standards	Y	
60.692-6	Delay of Repair Standards	Y	
60.695	Monitoring of closed-vent systems with bypass lines	Y	
60.696	Performance test methods and procedures and compliance provisions	Y	
60.697	Recordkeeping	Y	
60.698	Reporting	Y	
BAAQMD Regulation 10-69	Incorporates by reference 40 CFR 60 Subpart QQQ	Y	
NESHAP Part 61 Subpart A	**General Provisions**	**Y**	
61.1	List of pollutants and applicability	Y	
61.2	Definitions	Y	
61.3	Units and abbreviations	Y	
61.4	Address	Y	
61.5	Prohibited activities	Y	
61.6	Determination of construction or modification	Y	
61.7	Application for approval of construction or modification	Y	
61.8	Approval of construction or modification	Y	
61.9	Notification of startup	Y	
61.10	Source reporting and waiver request	Y	
61.11	Waiver of compliance	Y	
61.12	Compliance with standards and maintenance requirements	Y	
61.13	Emission tests and waiver of emission tests	Y	
61.14	Monitoring requirements	Y	
61.15	Modifications	Y	
61.16	Availability of information	Y	
61.17	State Authority	Y	
61.18	Incorporations by reference	Y	
61.19	Circumvention	Y	
NESHAP Part 61 Subpart J	**National Emission Standards for Equipment Leaks (Fugitive Emission Sources) of Benzene (6/6/84)**		
61.110	Applicability	Y	
61.111	Definitions	Y	
61.112	Subject to provisions of Part 61, Subpart V	Y	

IV. Source-specific Applicable Requirements

Table IV – DA
Applicable Requirements
COMPONENTS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
NESHAP Part 61 Subpart V; BAAQMD Regulation 11-7	**National Emission Standards for Equipment Leaks (Fugitive Emission Sources) (6/6/84); Hazardous Pollutants: Benzene (3/6/85)**		
40 CFR 61.240	Applicability: VHAP service	Y	
61.241	Definitions	Y	
61.242-1	General Standards	Y	
61.242-2	**Pump Standards**:		
61.242-2(a)(1)	Monthly monitoring of each pump, except for 61.242-2(d), (e), or (f)	Y	
61.242-2(a)(2)	Weekly visual inspection of each pump, except for (e), (f), or (g)	Y	
61.242-2(b)	Air measurement >10,000 ppm or dripping liquid indicates leak	Y	
61.242-2(d)	Requirements for Dual-Mechanical seal pump	Y	
61.242-2(e)	No detectable emission designation: <500 ppm	Y	
61.242-2(f)	Requirements for Closed Vent Systems	Y	
61.242-2(g)	Monthly visual inspections for un-manned sites	Y	
61.242-10(b)	Repair may be delayed for isolated equipment	Y	
61.242-10(d)(1)	Only dual-mechanical seal pumps qualify for delay of repair	Y	
61.242-10(d)(2)	Pump leaks must be repaired within 6 months	Y	
61.242-3	**Compressor Standards**	Y	
61.242-4	Requirements for **Pressure Relief Devices** in gas/vapor service	Y	
61.242-5	Requirements for **Sampling connecting systems**	Y	
61.242-6	Requirements for **Open-ended valves or lines**	Y	
61.242-7	**Valve Standards:**		
61.242-7(a)-(c)	Monitor monthly unless 2 successive months <10,000 ppm, them monitor first month of each quarter. If leak >10,000 ppm is detected, resume monthly monitoring	Y	
61.242-7(e)	Methods for first attempts or minimizing valve leaks	Y	
61.242-7(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	
61.242-10(b)	Repair may be delayed for isolated equipment	Y	
61.242-10(c)	Delay of repair for valves is only allowed under certain circumstances	Y	
61.242-8	**Pressure Relief Devices** in liquid service and **Flanges** and other **Connectors Standards**	Y	

IV. Source-specific Applicable Requirements

Table IV – DA
Applicable Requirements
COMPONENTS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
61.242-9	**Product accumulator vessels** shall be equipped with a closed-vent system and control device	Y	
61.242-11	Requirements for **Closed-vent systems and control devices**	Y	
61.243-1, 61.243-2, and BAAQMD 8-18-404.1	If a process unit has 5 consecutive quarters with <2% of valves leaking at >10,000 ppm, then any individual valve which measures <100 ppm for 5 consecutive quarters may be monitored annually	Y	
61.245	Test Methods and Procedures	Y	
61.246	Recordkeeping	Y	
61.247	Reporting	Y	
BAAQMD Reg. 11-7-301	General: Equipment must be uniquely marked	N	
11-7-100	General/Applicability	N	
11-7-200	Definitions	N	
11-7-302	Pump Standards	N	
11-7-303	Compressor Standards	N	
11-7-304	Pressure Relief Devices in Gas/Vapor Service Standards	N	
11-7-305	Sampling Connecting System Standards	N	
11-7-306	Open-ended Valve Standards	N	
11-7-307	Valve Standards	N	
11-7-308	Pressure Relief Devices in Liquid Service, Flanges and Other Connector Standards	N	
11-7-309	Product Accumulator Vessel Standards	N	
11-7-310	Delay of Repair Limitations	N	
11-7-311	Closed Vent Systems and Control Device Standards	N	
11-7-312	Alternative Standards for Valves in Benzene Service	N	
11-7-313	Alternative Standards for Valves – Skip Period Leak Detection and Repair	N	
11-7-314	Alternative Means of Emission Limitation	N	
11-7-401	Visually inspect pumps for liquid dripping weekly, except for “no detectable emissions” and pumps equipped with closed vent systems	N	
11-7-402	Initial Report within 90 days	N	
11-7-403	Reporting: semiannually for valves, pumps, and compressors	N	
11-7-501	Monitor pumps and valves, except for “no detectable emissions”	N	
11-7-502	Recordkeeping	N	

IV. Source-specific Applicable Requirements

Table IV – DA
Applicable Requirements
COMPONENTS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
11-7-601	Monitoring shall be conducted as specified in 40 CFR 61 and the Manual of Procedures	N	
40 CFR Part 63 Subpart A	**General Provisions**	**Y**	
63.1	Applicability	Y	
63.2	Definitions	Y	
63.3	Units and abbreviations	Y	
63.4	Prohibited activities	Y	
63.5	Construction and reconstruction	Y	
63.5(d)	Application for approval of construction or reconstruction	Y	
63.5(d)(1)	General Application Requirements	Y	
63.5(d)(2)	Application for approval of construction	Y	
63.5(d)(3)	Application for approval of reconstruction	Y	
63.5(d)(4)	Additional information	Y	
63.6	Compliance with standards and maintenance	Y	
63.7	Performance testing requirements	Y	
63.8	Monitoring requirements	Y	
63.9	Notification requirements	Y	
63.10	Recordkeeping and reporting requirements	Y	
63.11	Control device requirements	Y	
63.12	State authority and delegation	Y	
63.13	Addresses of State air pollution control agencies and EPA Regional Offices	Y	
63.14	Incorporation by references	Y	
NESHAP Part 63 Subpart CC	**National Emission Standards for Hazardous Air Pollutants from Petroleum Refineries**		
63.640(a)	Applicability	Y	
63.641	Definitions	Y	
63.642(e)	Keep records for 5 years	Y	
63.648(a)	Equipment leak standards. Comply with 40 CFR 60, Subpart VV	Y	
63.648(b)	Use of monitoring data from prior to 8/18/95 to qualify for less stringent monitoring frequency	Y	
63.654(d)	Recordkeeping and reporting	Y	

IV. Source-specific Applicable Requirements

Table IV – Dh
Source-specific Applicable Requirements
S1518, S1519 – EMERGENCY DIESEL FIRE WATER PUMPS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann Number 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Regulation 9, Rule 1	**Inorganic Gaseous Pollutants - Sulfur Dioxide (3/15/95; SIP approved 5/20/92))**		
9-1-304	Fuel Burning (Liquid and Solid Fuels)	Y	
BAAQMD Regulation 9, Rule 8	**Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon Monoxide from Stationary Internal Combustion Engines (8/1/2001)**		
9-8-110.4	Exemption, Emergency Standby Engines	N	
9-8-330	Emergency Standby Engines, Hours of Operation	N	
9-8-530	Emergency Standby Engines, Monitoring and Recordkeeping	N	
BAAQMD Condition # 23811			
Part 1	Hours of operation limit for reliability-related activities [basis: "Stationary Diesel Engine ATCM" section 93115, title 17, CA Code of Regulations, subsection (e)(2)(A)(3) or (e)(2)(B)(3)]	N	
Part 2	Emergency use [basis: Regulation 9-8-330, "Stationary Diesel Engine ATCM" section 93115, title 17, CA Code of Regulations, subsection (e)(2)(A)(3) or (e)(2)(B)(3), Regulation 9-8-330]	N	
Part 3	Totalizing Meter [Basis: "Stationary Diesel Engine ATCM" section 93115, title 17, CA Code of Regulations, subsection(e)(4)(G)(1)]		
Part 4	Recordkeeping [basis: Regulation 9-8-530, "Stationary Diesel Engine ATCM" section 93115, title 17, CA Code of Regulations, subsection (e)(4)(I) or Regulation 2-6-501]	N	

IV. Source-specific Applicable Requirements

Table IV – XX1
Source-specific Applicable Requirements
DELAYED COKER (S1510) WITH 4 COKE DRUMS AND ASSOCIATED EQUIPMENT

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6	**Visible Emissions**		
6-301	Ringelmann No. 1 limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-311	General Operations (process weight rate limitation)	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Regulation 8, Rule 9	**Vacuum Producing Systems (7/20/83)**		
8-9-301	Vacuum Producing Systems	Y	
BAAQMD Regulation 8, Rule 10	**Organic Compound – Process Vessel Depressurization (1/21/2004)**		
8-10-114	Exemption for batch processes, including delayed coker vessels	N	
BAAQMD Condition #19528			
Part 1	Throughput limit (basis: Regulation 2-1-234.3, Regulation 2-1-403 Regulation 2-6-503)	Y	
BAAQMD Condition #23129			
Part 2	Wash Coker Pit and dewatering pad area daily (basis cumulative increase)	Y	
Part 3	Throughput limit S-1510 (basis: cumulative increase)	Y	
Part 6	Process sample systems in light liquid service (basis: cumulative increase)	Y	
Part 7	Initial Fugitive Count (basis: cumulative increase, toxics)	Y	
Part 8	Recordkeeping S-1510 (basis: recordkeeping)	Y	

IV. Source-specific Applicable Requirements

Table IV – XX2
Source-specific Applicable Requirements
DELAYED COKER HEATERS
ABATED BY SELECTIVE CATALYTIC REDUCTION SYSTEMS
S-1511 (HEATER #1 ABATED BY A-1511)
S-1512 (HEATER #2 ABATED BY A-1512)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 1	**General Provisions and Definitions (11/15/00)**		
1-520	Continuous Emission Monitoring	Y	
1-520.8	Monitors pursuant to Regulations 10 and 2-1-403	Y	
1-521	Monitoring May Be Required	Y	
1-522	Continuous Emission Monitoring and Recordkeeping Procedures	N	
SIP Regulation 1	**General Provisions and Definitions (11/15/00)**		
1-522	Continuous Emission Monitoring and Recordkeeping Procedures	Y	
1-522.7	Continuous Emission Monitoring and Recordkeeping Procedures	Y	
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particle Weight Limitation	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Regulation 9, Rule 1	**Inorganic Gaseous Pollutants - Sulfur Dioxide (3/15/95; SIP approved 6/8/99)**		
9-1-302	General Emission Limitation	Y	
NSPS 40 CFR 60 Part A	**Standards of Performance for New Stationary Sources – General Provisions (8/27/2001)**		
60.7	Notification and Recordkeeping	Y	
60.8	Performance tests	Y	
60.11(a)	Compliance with standards and maintenance requirements	Y	
60.11(d)	Good Operating Practice	Y	
60.12	Circumvention	Y	
60.13	Monitoring requirements	Y	
NSPS 40 CFR 60 Part J	**Standards of Performance for New Stationary Sources - Standards of Performance for Petroleum Refineries (11/17/2000)**		

IV. Source-specific Applicable Requirements

Table IV – XX2
Source-specific Applicable Requirements
DELAYED COKER HEATERS
ABATED BY SELECTIVE CATALYTIC REDUCTION SYSTEMS
S-1511 (HEATER #1 ABATED BY A-1511)
S-1512 (HEATER #2 ABATED BY A-1512)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.100(a)	Applicability to fuel gas combustion devices	Y	
60.100(b)	Applicability to fuel gas combustion devices	Y	
60.104	Standards for Sulfur Oxides	Y	
60.104(a)(1)	Fuel gas H_2S concentration limited to 230 mg/dscm (0.10 gr/dscf) except for gas burned as a result of process upset or gas burned at flares from relief valve leaks or other emergency malfunctions	Y	
60.105	Monitoring of Emissions and Operations	Y	
60.105(a)(4)	Monitoring requirement for H_2S (dry basis) in fuel gas prior to combustion (in lieu of separate combustion device exhaust SO_2 monitors as required by 60.105(a)(3))	Y	
60.105(e)(3)(ii)	Excess emission definitions for 60.7(c)	Y	
BAAQMD Condition # 19528			
Part 1	Throughput limit (basis: Regulation 2-1-234.3, Regulation 2-1-403 Regulation 2-6-503)	Y	
BAAQMD Condition #23129			
Part 10	Fuel type limit (basis: cumulative increase, BACT)	Y	
Part 11	Fuel gas TRS limits (daily and annual) (basis: BACT)	Y	
Part 12	NOx and CO emission limits (basis: BACT)	Y	
Part 12a	NOx and CO emission limits during SSM (basis: cumulative increase, offsets)	Y	
Part 12b	CO emission limit for up to 100 days per year (basis: cumulative increase, offsets)	Y	
Part 13	Ammonia emission limit (basis: cumulative increase, toxics)	Y	
Part 14	Annual fuel use limit (basis: cumulative increase)	Y	
Part 15	Natural gas TRS limit (basis: BACT for SO2 and PM10 when firing natural gas)	Y	
Part 17	Sulfuric acid mist emissions (SAM) (basis: PSD)	Y	
Part 19	TRS CEM (basis: BACT)	Y	
Part 20	S-1511 & S-1512 abatement requirements (basis: cumulative increase)	Y	

IV. Source-specific Applicable Requirements

Table IV – XX2
Source-specific Applicable Requirements
DELAYED COKER HEATERS
ABATED BY SELECTIVE CATALYTIC REDUCTION SYSTEMS
S-1511 (HEATER #1 ABATED BY A-1511)
S-1512 (HEATER #2 ABATED BY A-1512)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 21	NOx CEM (basis: cumulative increase, BACT, offsets)	Y	
Part 22	CO CEM (basis: cumulative increase, BACT, offsets)	Y	
Part 23	O2 CEM (basis: cumulative increase, BACT, offsets)	Y	
Part 24	Fuel flow meter (basis: cumulative increase)	Y	
Part 25	Fuel gas calorimeter (basis: BACT, cumulative increase, offsets, toxics)	Y	
Part 26	Initial source test (basis: compliance demonstration, PSD avoidance, source test compliance verification)	Y	
Part 27	Record format and retention (basis: Regulation 2-6-501)	Y	
Part 28	Recordkeeping S-1511 & S-1512 (basis: BACT, offsets, cumulative increase)	Y	

Table IV – XX3
Source-specific Applicable Requirements
COKER SCREEN/CRUSHER (S-1513) & CONVEYORS & DEWATERING PAD

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6	**Visible Emissions**		
6-301	Ringelmann No. 1 limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-311	General Operations (process weight rate limitation)	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Condition # 19528			
Part 1	Throughput limit (basis: Regulation 2-1-234.3, Regulation 2-1-403 Regulation 2-6-503)	Y	
BAAQMD Condition #23129			
Part 29	Throughput limit S-1513 (basis: cumulative increase, BACT)	Y	

IV. Source-specific Applicable Requirements

Table IV – XX3
Source-specific Applicable Requirements
COKER SCREEN/CRUSHER (S-1513) & CONVEYORS & DEWATERING PAD

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 30	Coke moisture content (basis: cumulative increase)	Y	
Part 32	Compliance methods for Regulation 6 (basis: Regulation 6, BACT)	Y	
Part 33	Enclose conveyors and use water sprays (basis: BACT)	Y	
Part 34	Daily visible emissions inspection. Recordkeeping. (basis: Regulation 2-1-403, Regulation 2-6-503)	Y	
Part 35	Methods to minimize particulate emissions from coke piles on Coke Dewatering Pad (basis: BACT)	Y	
Part 36	Initial coke moisture content source test (basis: cumulative increase)	Y	
Part 37	Recordkeeping S-1513 (basis: recordkeeping)	Y	

Table IV – XX4
Source-specific Applicable Requirements
COKE SILOS ABATED BY BAGHOUSES
S-1514 (SILO #1 ABATED BY A-1514)
S-1515 (SILO #2 ABATED BY A-1515)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6	**Visible Emissions**		
6-301	Ringelmann No. 1 limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-311	General Operations (process weight rate limitation)	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Condition # 19528			
Part 1	Throughput limit (basis: Regulation 2-1-234.3, Regulation 2-1-403 Regulation 2-6-503)	Y	
BAAQMD Condition #23129			
Part 39	S-1514 & S-1515 abatement requirements (basis: cumulative increase)	Y	

IV. Source-specific Applicable Requirements

Table IV – XX4
Source-specific Applicable Requirements
COKE SILOS ABATED BY BAGHOUSES
S-1514 (SILO #1 ABATED BY A-1514)
S-1515 (SILO #2 ABATED BY A-1515)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 40	Bag failure warning devices for A-1514 & A-1515 (basis: cumulative increase)	Y	
Part 41	Baghouse exhaust air flow rate limits (basis: cumulative increase)	Y	
Part 42	Recordkeeping S-1514 & S-1515 (basis: cumulative increase)	Y	

Table IV – XX5
Source-specific Applicable Requirements
COKER TRUCK LOADOUT (S-1516)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6	**Visible Emissions**		
6-301	Ringelmann No. 1 limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-311	General Operations (process weight rate limitation)	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Condition # 19528			
Part 1	Throughput limit (basis: Regulation 2-1-234.3, Regulation 2-1-403 Regulation 2-6-503)	Y	
BAAQMD Condition #23129			
Part 44	Throughput limit S-1516 (basis: cumulative increase, BACT)	Y	
Part 45	Truck loading requirements – enclosed structure (basis: BACT)	Y	
Part 46	Truck loading requirements – prevention of fugitive dust emissions during transport (basis: BACT)	Y	
Part 47	Truck loading requirements – truck wheel washer (basis: BACT)	Y	
Part 48	Truck loading requirements – Coke truck route daily sweeping (Basis: BACT)	Y	

IV. Source-specific Applicable Requirements

Table IV – XX5
Source-specific Applicable Requirements
COKER TRUCK LOADOUT (S-1516)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 49	Recordkeeping S-1516 (Basis: cumulative increase)	Y	

Table IV – XX6
Source-specific Applicable Requirements
COKER FLARE (S-1517)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD · Regulation 1	**General Provisions and Definitions (05/02/2001)**		
1-523	Parametric Monitoring and Recordkeeping Procedures	N	
1-523.1	Parametric Monitoring and Recordkeeping Procedures	Y	
1-523.2	Parametric Monitoring and Recordkeeping Procedures	Y	
1-523.3	Parametric Monitoring and Recordkeeping Procedures	N	
1-523.4	Parametric Monitoring and Recordkeeping Procedures	Y	
1-523.5	Parametric Monitoring and Recordkeeping Procedures	Y	
SIP· Regulation 1	**General Provisions and Definitions (SIP Approved) (10/07/1998)**		
1-523	Parametric Monitoring and Recordkeeping Procedures	Y	
1-523.3	Parametric Monitoring and Recordkeeping Procedures	Y	
BAAQMD Regulation 6	**Visible Emissions**		
6-301	Ringelmann No. 1 limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-311	General Operations (process weight rate limitation)	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Regulation 12 Rule -11	**Flare Monitoring at Petroleum Refineries (06/04/03)**	Y	
12-11-401	Flare Data Reporting Requirements	N	
12-11-402	Flow Verification Report	N	
12-11-501	Vent Gas Flow Monitoring	N	
12-11-502	Vent Gas Composition Monitoring	N	

IV. Source-specific Applicable Requirements

Table IV – XX6
Source-specific Applicable Requirements
COKER FLARE (S-1517)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
12-11-502.1	Vent Gas Composition Monitoring	N	
12-11-502.3	Vent Gas Composition Monitoring	N	
12-11-503	Pilot Monitoring	N	
12-11-504	Pilot and Purge Gas Monitoring	N	
12-11-505	Recordkeeping Requirements	N	
12-11-506	General Monitoring Requirements	N	
12-11-506.1	Periods of Inoperation of Vent Gas Monitoring	N	
12-11-507	Video Monitoring	N	
BAAQMD Regulation 12 Rule-12	**Flares at Petroleum Refineries (4/5/2006)**		
12-12-301	Flare Minimization	N	
12-12-404	Update of Flare Minimization Plans	N	
12-12-405	Notification of Flaring	N	
12-12-406	Determination and Reporting of Cause	N	
12-12-408	Designation of Confidential Information	N	
12-12-501	Water Seal Integrity Monitoring	N	
40 CFR Part 60 Subpart A	**New Source Performance Standards – General Provisions (12/23/71)**	**Y**	
60.1	Applicability	Y	
60.2	Definitions	Y	
60.3	Units and abbreviations	Y	
60.4	Address	Y	
60.5	Determination of construction or modification	Y	
60.6	Review of plans	Y	
60.7	Notification and record keeping	Y	
60.8	Performance tests	Y	
60.9	Availability of information	Y	
60.10	State authority	Y	
60.11	Compliance with standards and maintenance requirements	Y	
60.11(a)	Compliance determined by performance tests	Y	
60.11(d)	Control devices operated using good air pollution control practice	Y	
60.12	Circumvention	Y	
60.13	Monitoring requirements	Y	

IV. Source-specific Applicable Requirements

Table IV – XX6
Source-specific Applicable Requirements
COKER FLARE (S-1517)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.14	Modifications	Y	
60.15	Reconstruction	Y	
60.16	Priority list	Y	
60.17	Incorporation by reference	Y	
60.19	General notification and reporting requirements	Y	
NSPS 40 CFR 60 Part J	**Standards of Performance for Petroleum Refineries (7/1/00)**		
60.100	Applicability	Y	
60.100(a)	Applicability: Claus Sulfur Recovery Plants, FCCU Catalyst Regenerators at Refineries and Fuel Gas Combustion Devices and Fuel Gas Combustion Devices of Refineries	Y	
60.104	Standards for Sulfur Oxides	Y	
60.104(a)(1)	Exemption: Fuel gas H_2S concentration limited to 230 mg/dscm (0.10 gr/dscf) except for gas burned as a result of process upset or gas burned at flares from relief valve leaks or other emergency malfunctions	Y	
BAAQMD Condition # 19528			
Part 1	Throughput limit (basis: Regulation 2-1-234.3, Regulation 2-1-403 Regulation 2-6-503)	Y	
Part 11B	Definition of "Flaring Event" and inspection frequency requirements (basis: Regulation 2-6-409.2)	Y	
Part 11C	Inspection procedure for "Flaring Event" (basis: Regulation 6-301; 2-1-403)	Y	
Part 11D	Requirements for "Visual Inspection" of a flaring event (basis: Regulation 2-6-403)	Y	
Part 11E	Recordkeeping of "Flaring Events" (basis: Regulation 2-6-501; 2-6-409.2)	Y	
BAAQMD Condition #23129			
Part 51	Requirement to inject steam in flare (basis: BACT)	Y	
Part 52	POC abatement efficiency (basis: BACT)	Y	
Part 53	Flare pilots natural gas requirement and annual throughput (basis: cumulative increase)	Y	
Part 55	H2S CEM (basis: Regulation 12, Rule 11)	Y	

IV. Source-specific Applicable Requirements

Table IV – XX6
Source-specific Applicable Requirements
COKER FLARE (S-1517)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 56	Flare purge natural gas requirement and annual throughput (basis: cumulative increase)	Y	
Part 57	Recordkeeping S-1517 (basis: Regulation 2-6-501)	Y	

V. SCHEDULE OF COMPLIANCE

A. Standard 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.

B. Custom Schedule of Compliance

The facility is currently engaging in an ongoing pattern of recurring violations of various District regulations as a result of emissions of flue gas from its Coker, S-806. The District has opted to pursue the matter by petitioning the District's Hearing Board for a conditional order for abatement to require Tesoro to address this Problem (Docket No. 3492). The Hearing Board approved a Second Stipulated Conditional Order for Abatement on December 21, 2005. The Second Stipulated Conditional Order for Abatement, in Appendix E, contains the "schedule of remedial measures, including an enforceable sequence of actions with milestones" which will lead to compliance and "a schedule of certified progress reports with no less frequency than every 6 months" as required by 40 C.F.R. § 70.5(c).

VI. PERMIT CONDITIONS

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

Condition # 267

S1401 Sulfur Recovery Unit
S1405 Sulfur Collection Pit
S1420 Tail Gas In-Line Burner

1. Permittee/Owner/Operator shall ensure that the SCOT unit is scheduled for maintenance to coincide with the turnaround of either the Coker or the FCCU. (basis: cumulative increase)

2. Permittee/Owner/Operator shall ensure that the sulfur dioxide (SO2) emission rate does not exceed 4 lb/ton of sulfur processed. (basis: cumulative increase)

3. In a District approved log, Permittee/Owner/Operator shall record daily SO2 emissions and sulfur production on a monthly basis. The District approved log shall retained on site for not less than 5 years from date of last entry and it shall be made available to the District staff upon request. (basis: cumulative increase)

VI. Permit Conditions

4a. Permittee/Owner/Operator shall abate the Sulfur Collection Pit (S-1405) by either the Sulfuric Acid Plant (SAP) (S-1411) or the Sulfur Recovery Unit (SRU) (S-1401) when ever S-1405 is being filled with sulfur or when S-1401 is in operation. (basis: cumulative increase)

4b. Until April 1, 2008, if S-1411 is shutdown, the Owner/Operator may temporarily route S-1405 emissions to the S-1401 SRU stack. During this temporary operation, all S-1405 emissions must be included in the S-1401 emissions that are monitored for SO2 emissions compliance with NSPS Subpart J. (Basis: EPA consent decree, paragraph 226)

5. The S-1401 Sulfur Recovery Unit is an "affected facility" under 40 CFR 60 Subpart J. The owner/operator shall comply with all applicable provisions of 40 CFR 60 Subparts A and J for Sulfur Recovery Units and shall monitor and report in accordance with 40 CFR 60.7, 60.13, and 60.105 for all emission points (stacks) to the atmosphere for tail gas emissions except during periods of startup, shutdown or malfunction of the S-1401 Sulfur Recovery Unit or during malfunction of the A-1402 SCOT tail gas unit/incinerator. (Basis: NSPS Subparts A and J, EPA Consent Decree paragraphs 221, 222, 224, 225, and 227)

Condition # 573
Application #7381;
Amended by Application #16484;
Amended by Application #8301

S903 No. 5 Boiler

1. Permittee/Owner/Operator shall ensure that only specification grade ammonia (no "Off-Spec") is used for injection into the Coker CO Boiler S-903. For the purposes of this permit, "off-spec" ammonia is ammonia which contains 20 ppm by weight or higher of either hydrocarbon, H2S, or Mercaptans. (basis: toxics)

2. If the APCO determines that ammonia in the stack exhaust in excess of 40 ppm by volume results in a health hazard or excess visible emissions, Permittee/Owner/Operator shall ensure that the ammonia in the stack exhaust does not exceed 40 ppm by volume. (basis: toxics)

3. Permittee/Owner/Operator shall determine the relationship between NOx reduction and ammonia slippage and shall operate the ammonia injection system in such a way as to minimize slippage while maximizing NOx reduction. (basis: toxics)

4. Permittee/Owner/Operator shall ensure that the ammonia injection rate shall not exceed 475 lb/hr. (basis: toxics)

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5 Deleted obsolete condition.

6. Permittee/Owner/Operator shall ensure that daily records of the ammonia usage, temperature, and stack NOx are maintained in a District approved log and that monthly summaries are submitted to the District. The District approved log shall retained on site for not less than 5 years from date of last entry and it shall be made available to the District staff upon request. (basis: toxics)

7. Deleted. Condition requirements completed.

8. Deleted. Condition requirements completed.

9. In the event the APCO determines that the stack opacity is in excess of District Regulations, Permittee/Owner/Operator shall immediately curtail use of the ammonia injection to the extent required to abate the excessive emissions. (basis: Regulation 6-302)

9a. Effective June 1, 2004, Permittee/Owner/Operator shall install a continuous opacity monitor to ensure that the emission is not greater than 20% opacity for a period or periods aggregating more than three minutes in any hour when the boiler is burning coker flue gas. (basis: Regulation 6-302)

10. Permittee/Owner/Operator shall inform the District when any additional tests are performed to evaluate the ammonia injection system. (basis: cumulative increase)

11. Permittee/Owner/Operator shall ensure that only "Super Cat Manganese 6 High Flash" (Nuodex Solution) or chemical equivalent is injected as a combustion enhancer/ESP flyash conditioner upstream of the Coker CO Boiler S-903. (basis: cumulative increase)

12. Permitte/Owner/Operator shall ensure that during each calendar day, the total usage of KI-75, KI-85, and Nuodex combined does not exceed 660 gallons per day. During each calendar day that neither KI-75 nor KI-85 is used at S-903, Permittee/Owner/Operator shall ensure that the total usage of Nuodex at S-903 does not exceed 1000 gallons per day . (basis: cumulative increase)

13. In order to demonstrate compliance with condition #12, Permittee/Owner/Operator shall maintain daily records in a District approved log to indicate the total number of gallons of Nuodex Solution, KI-75, KI-85 (or chemical equivalent) injected/used at S-903 each calendar day. These records shall be kept on site and be available for inspection by District personnel for a period of 60 months from the date on which a record is made. (basis: cumulative increase)

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14. S-903, boiler #5 shall burn only gaseous fuels. (basis: cumulative increase)

Condition # 677

S937 Hydrogen Plant Heater

1. Permittee/Owner/Operator shall ensure that the mass emissions of nitrogen oxides (NOx), calculated as NO2, from furnace, S-937 do not exceed 1430 lb/stream day or 1089 lb/calendar day. (basis: cumulative increase)

2. Permittee/Owner/Operator shall install, calibrate, maintain and operate nitrogen oxides and oxygen analyzers in accordance with the District's Manual of Procedures.
(basis: cumulative increase)

3. Permittee/Owner/Operator shall record the following parameters for furnace, S-937:

   a. daily fuel gas usage
   b. NOx concentration and
   c. oxygen concentration

   The records shall be maintained in a District approved log for at least five years from date of last entry and it shall be available to the District upon request. (basis: cumulative increase)

Condition # 799

S863 LPG Vaporizer System

1. Permittee/Owner/Operator shall ensure that S863 is not be operated simultaneously with the LPG vaporizer located at #5 gas plant. (basis: cumulative increase)

2. Permittee/Owner/Operator shall ensure that, in the abatement of S863, the flare shall be operated only for emergency purposes. (basis: cumulative increase)

Condition # 878

S100 Avon Wharf Loading Berth No. 1

VI. Permit Conditions

1. When calculating hydrocarbon emissions from vessel or barge loading, the Permittee/Owner/Operator shall use the emission factors presented in condition number 5 of condition ID #878. (basis: cumulative increase)

2. Permittee/Owner/Operator shall install and maintain a Pressure Recorder/Controller in the vapor recovery system to provide a permanent record of pressure during the loading of vessels. These records shall be maintained for a minimum of 5 years. (basis: cumulative increase)

3. Not less frequently than every six months, Permittee/Owner/Operator shall conduct tests to assess leakage from all relief valves that vent to atmosphere in the marine vapor recovery system on a semi-annual basis.

   Permittee/Owner/Operator shall ensure that the testing and record keeping are done in compliance with Regulation 8, Rule 18.

   (basis: cumulative increase, Regulation 8-18)

4. If leakage is detected during the loading of a vessel, or if the vapor recovery system is shutdown for any period of time during loading, or if a relief valve in the recovery system vents to atmosphere during loading, Permittee/Owner/Operator shall use the "Non-Vapor Recovery" emission factors in condition number 5 of condition ID #878 to calculate emissions from the entire loading operation. Credit for vapor recovery may be given for a portion of a vessel loading operation, provided that Permittee/Owner/Operator can provide documentation to the satisfaction of the APCO that credit is appropriate, as determined by the APCO. (basis: cumulative increase)

5. DATA FOR DETERMINING EMISSIONS FROM MARINE ACTIVITY

   Described herein are the following lists of fuel usage rates and emission factors for calculating marine activity emissions

Part B-1 Tanker Fuel Usage Rates

Part B-2 Diesel Fuel Used During Barge Unloading

Part B-3 Tug Usages

Part B-4 Fuel Combustion Emission Factors

Part B-5 Hydrocarbon Emissions from Onloading of Crude Oil, Ballast or Products

VI. Permit Conditions

The methodology, assumptions, and procedures to be used in calculating the emissions shall be consistent with those set forth in Permittee/Owner/Operator's submittal entitled, "Procedures for Determining Emissions from Marine Activity," dated 10/30/81.

Calculated emissions shall be reported in units of short tons (2,000 lbs avoir dupois) rounded to three (3) significant figures.

PART B-1: TANKER FUEL RATES

Tanker Deadweight Tonnage (10000 tons)	(A) Main Engine Type	(B) Engine Fuel Type	(C) Engine Fuel Use (bbl/hr)	(D) Unloading Rate (bbl/hr)	(D) Boiler Fuel Use For Unloading (bbl/hr)	Hoteling Fuel Use Fuel Oil (bbl/hr)	Hoteling Fuel Use Diesel (bbl/hr)
< 2	ST	F	5.0	6,000	7.0	1	0
	MT	D	2.5	6,000	7.0	1	1
2 to < 3	ST	F	8.1	8,000	9.5	1	0
	MT	D	5.6	8,000	9.5	1	1
3 to < 4	ST	F	9.4	10,000	11.5	1	0
	MT	D	6.9	10,000	11.5	1	1
4 to < 5	ST	F	10.9	12,000	13.5	1	0
	MT	D	8.1	12,000	13.5	1	1
5 to < 6	ST	F	13.1	14,000	15.5	1	0
	MT	D	8.4	14,000	15.5	1	1
6 to < 8	ST	F	15.0	15,000	16.0	2	0
	MT	D	9.4	15,000	16.0	2	2
8 to < 10	ST	F	18.1	16,000	17.0	2	0
	MT	D	10.9	16,000	17.0	2	2
10 to < 14	ST	F	20.0	17,000	17.5	2	0
	MT	D	13.1	17,000	17.5	2	2
14 to < 18	ST	F	21.6	18,000	18.5	2	0
	MT	D	15.6	18,000	18.5	2	2
≥ 18	ST	F	22.5	19,000	19.5	3	0

VI. Permit Conditions

MT	D	19.1	19,000	19.5	3	3

Explanation of abbreviations for PART B-1:

Column A	ST	=	steamship (steam boilers and turbines)
	MT	=	motorship (internal combustion engines)
Column B	F	=	fuel oil (not diesel fuel)
	D	=	diesel oil
Column C	BBL/hr	=	barrels per hour of fuel use during transit (at 50% of full steaming)
Column D	During unloading of oil or ballast, steamships and motorships use fuel oil (F) for boilers/turbines which drive the unloading pumps		

PART B-2: DIESEL FUEL USED DURING BARGE UNLOADING*

barge unloading rate (bbl/hr)	diesel fuel usage (bbl/hr)
2,000	2.3
2,200	2.4
2,500	2.9
3,500	4.1
8,000	9.5
10,000	11.5
13,000	13.5

* Based on internal combustion engines driving the unloading pumps on the barges using the same kind of diesel as the tugs (i.e., 0.50 wt% sulfur and API gravity of 35)

PART B-3: TUG USAGES

One tug for assisting tankers of < 50,000 DWT size, for a total transit time of four hours per tanker call at docks.

Two tugs for assisting tankers of > 50,000 DWT size, for a total transit time of four hours each tug per tanker call at docks.
One tug for transporting barges or lighters, for a total transit time of ten hours per each barge/lighter call at docks.

Thus, for each call below:	Total tug transit hour
Tanker of < 50,000	4
Tanker of ≥ 50,000	8
Product shipment barge	10
Crude oil lighter	10

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PART B-4: FUEL COMBUSTION EMISSION FACTORS
(pounds / 1,000 gallons of fuel burned *)

Boiler In Steamships:	Fuel Type	*POC	*SO_2	*NOx	*CO	*PM_{10}
during transit	F	3.10	315.3	48.2	2.62	19.0
during hoteling	F	3.10	315.3	20.9	2.62	19.0
during unloading	F	3.10	315.3	48.2	2.62	19.0

Internal Combustion Engines In Motorships:	Fuel Type	*POC	*SO_2	*NOx	*CO	*PM_{10}
during transit	D	32.8	70.1	367.0	56.9	20.0
during hoteling	D	32.8	70.1	367.0	56.9	20.0

Internal Combustion Engines in Motorships > or = 100,000 DWT:	Fuel Type	*POC	*SO_2	*NOx	*CO	*PM_{10}
during transit	D	32.8	210.3	367.0	56.9	20.0
during hoteling	D	32.8	210.3	367.0	56.9	20.0

Boilers In Motorships:	Fuel Type	*POC	*SO_2	*NOx	*CO	*PM_{10}
during transit	F	3.10	315.3	20.9	2.62	19.0
during hoteling	F	3.10	315.3	48.2	2.62	19.0

Internal Combustion (IC): Engines In Tugs:	Fuel Type	*POC	*SO_2	*NOx	*CO	*PM_{10}
during transit	TD	13.0	70.1	571.2	56.9	25.0
IC engines driving barge unloading pumps	TD	13.0	70.1	571.2	56.9	25.0

(PM-10 factor of 25 lb/1000 gallons also applies to internal combustion engines driving barge unloading pumps)

Explanation of abbreviations for PART B-4:
Fuel Type

F	= fuel oil or residuum	sulfur @ ≤ 2.0 wt%; nitrogen @ ≤ 0.43 wt%; API gravity 18
D	= marine diesel	sulfur @ ≤ 0.5 wt%; nitrogen @ ≤ 0.08 wt%; API gravity 35
TD	= tug diesel	sulfur @ ≤ 0.5 wt; API gravity @ 35

VI. Permit Conditions

PART B-5: HYDROCARBON EMISSIONS FROM ONLOADING OF CRUDE OIL, BALLAST OR PRODUCTS

COMMODITY ONLOADED	Non-Vapor Recovery POC Emissions (lb/1,000 gallons)	Vapor Recovery POC Emissions (lb/1,000 gallons)
Crude Oil:		
Barges	1.7	0.034
Vessels	1.0	0.02
Ballast: (unsegregated***)		
Crude	0.7	0.014
Gasoline	1.6	0.032
Gasoline:		
Barges	4.0	0.08
Vessels	2.4	0.048
Turbine Fuel (Jet Fuel)	0.005	0.0001
Diesel Oil, Gas Oil, Conversion Feed, Cutter Stock, Catalytic Cracker Charge HDN Charge, Stove Oil, Solvents, Lubestocks, Middle Distillate Oil	0.005	0.0001
Fuel Oil, Heavy Fuel Oil, Low Sulfur Oil, Bunkers IFO, LSFO, Residuum, Carbon Black, Purchased Cut Back Tar, Asphalt	8.0 E-07	4.0 E-05

*** The volume of unsegregated ballast taken on by a ship which has offloaded cargo is determined by the following equation:

$$B = 7.5 \times MDWT \times (0.35 - B\ segregated/100)$$

Explanation of abbreviations for PART B-5:

B = the volume of ballast into dirty cargo tanks in Mbbl

MDWT = ship tonnage in thousands of dead weight tons as indicated by Clarkson

B segregated = the percent of segregated or dedicated ballast for the ship as indicated by Clarkson or some other reliable source which is known to be more current; e.g., ship's records, where the percent is equal to or less than 35. If the percent is greater than 35 than the amount of unsegregated ballast will be zero.

VI. Permit Conditions

Condition # 1910

S1007 Hydrocracker Unit 2nd Stage
S1008 Hydrocracker Unit 1st Stage

PERMIT CONDITION 1910
APPLICATION #548
HYDROCRACKER EXPANSION PROJECT PERMIT CONDITIONS
(S-1007) AND (S-1008)

Application 15944 (May 2007): S-1007 Isocracker Unit: IIR Compressor Leak Control Measure to install a shroud/clamp to capture compressor leaks and route gases to the flare gas recovery header. Add inspection requirements for the shroud/clamp.

1. Permittee/Owner/Operator shall ensure that no pressure relief valve on a new vessel in hydrocarbon service, associated with this project, shall vent to atmosphere. (basis: cumulative increase, BACT)

2. ~~2.~~ Permittee/Owner/Operator shall ensure that each and all pumps and compressors, installed pursuant to permit application #548 associated with this project, have double mechanical seals with a barrier fluid, or equivalent, to ensure leakage in rather than out, or shall have seals vented to a closed system. All new compressors must meet applicable New Source Performance Standards. (basis: cumulative increase, NSPS)

3. Owner/operator shall inspect the IIR Compressor Leak Control Measure shroud/clamp for leaks on a monthly basis. (Regulation 8-18-401.9)

Condition # 3996

S699 Tank A-699

APPLICATION # 2253 FOR SOURCE # 699

1. Permittee/Owner/Operator shall ensure that all roof vents are closed with gas-tight covers. (basis: cumulative increase)

2. Permittee/Owner/Operator shall ensure that the pressure/vacuum relief valve is gas-tight and maintained in proper working order at all times.
   Permittee/Owner/Operator shall ensure that the pressure and vacuum set pressures shall be + 1.0" H20 and -1.0" H20, respectively. (basis: cumulative increase)

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3. Permittee/Owner/Operator shall ensure that the pressure regulator is open at a pressure no greater than 0.5" H20 to allow vapors to be collected. (basis: cumulative increase)

4. Permittee/Owner/Operator shall ensure that the vacuum regulator is open at a pressure no less than -0.5" H20 to allow repressuring gas to enter the tank vapor space. (basis: cumulative increase)

Condition # 4357

S848 FCCU Merox Unit
S850 No. 3 HDS Unit
S901 No. 7 Boiler
S904 No. 6 Boiler
S908 No. 3 Crude Heater (F8)
S909 No. 1 Feed Prep Heater
S915 Platformer Intermediate Heater
S917 No. 1 HDS Prefract Reboiler
S923 Coker Auxiliary Startup Burner
S924 Coker Anti-Cook Superheater
S925 Coker Attriting Superheater
S928 No. 2 Reformer Heat/Reheating
S929 HDN Reactor B Heater
S930 HDN Reactor C Heater
S931 Hydrocracker Reactor 1 Heater
S932 Hydrocracker Reactor 2 Heater
S933 Hydrocracker Reactor 3 Heater
S934 Hydrocracker Stabilizer Reboiler
S935 Hydrocracker Splitter Reboiler
S936 Regeneration Gas Heater
S937 Hydrogen Plant Heater
S938 HDN Prefractionator Heater
S952 Internal Combustion Engine
S953 Internal Combustion Engine
S954 Internal Combustion Engine
S955 Internal Combustion Engine
S956 Internal Combustion Engine
S957 Internal Combustion Engine
S958 Internal Combustion Engine
S959 Internal Combustion Engine
S960 Internal Combustion Engine
S963 Gas Turbine 177
S971 No. 3 Reformer UOP Furnace
S972 No. 3 Reformer Debut Reboiler
S973 No. 3 HDS Recycle Gas Heater
S991 FCCU Preheat Furnace
S1020 No. 3 UOP Reformer

PERMIT CONDITION 4357 APPLICATION NO. 27769 PLANT NO. 13 EMISSION CAPS FOR ALL CRITERIA POLLUTANTS

1. Definitions.
   a. "Permitted annual emissions" shall mean the allowable emissions for a calendar year authorized by these conditions.
   b. "Total annual emissions" shall mean the actual emissions which occur in any calendar year.
   c. "Total monthly emissions" shall mean the actual emissions which occur in any calendar month.
   d. "Calendar day" (CD) or "calendar day basis" shall mean an average value determined by dividing the yearly total by 365.

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e. "Stream day" (SD) or "stream day basis" shall mean the total value occurring on any one 24-hour day, from midnight to midnight, and is the actual daily rate.
f. "Calendar month" shall mean any month of the year measured from 12:01 A.M. on the first day of that month to midnight on the last day of that month.
g. "Calendar year" of "year" shall mean the year measured from 12:01 A.M., January 1 to midnight, December 31.
h. "Permitted Monthly Maximum Emissions" shall mean the maximum allowable emissions for any calendar month authorized by these conditions.
i. "Permitted Monthly Compensatory Emissions" shall mean the allowable emissions in a calendar month before compensatory emission reductions are required.
j. "Start-up" shall mean that period of time during which the piece of equipment in question is put into normal operation from an inactive status by following a prescribed series of separate steps or operations.
k. "Shutdown" shall mean that period of time during which the piece of equipment in question is taken out of service from a normal operating mode to an inactive status following a prescribed series of separate steps or operations.
l. "Light hydrocarbon service" shall mean the handling or service of liquid or gas-liquid streams with a true vapor pressure greater than 0.5 psia.

2. Emissions.
The specific emission points covered by the various limitations listed in A-D below are set forth in Table A of the Appendix to these conditions. A summary of revisions to the limitations listed in A through D below are documented in Table A-1. Table A-2 provides a summary of the emission limits in this condition. Tables A, A-1 and A-2 are located in the Appendix to these conditions.

A. Listed below are the permitted annual emission limits for the emission points covered by this permit that the Permittee/Owner/Operator shall ensure are met. If the permitted annual emission limit for any pollutant is exceeded, Permittee/Owner/Operator shall ensure that the applicable provisions of Section 3A are complied with by emission points covered by this permit.

Particulates (PM-10)	443.0 tons/yr
Hydrocarbons (POC)	221.7 tons/yr
NOx	2867.7 tons/yr
SO2	4580.0 tons/yr
CO	573.0 tons/yr

(basis: cumulative increase, bubble, BACT)

B. Listed below are the permitted monthly maximum emission limits for the emission points covered by this permit and Permittee/Owner/Operator shall ensure that these limits are met. If the permitted monthly maximum emission limit for any pollutant is exceeded, Permittee/Owner/Operator shall ensure

VI. Permit Conditions

that the applicable provisions of Section 3B are complied with by emission points covered by this permit.

Particulates (PM-10)	46.0 tons/mo
Hydrocarbons (POC)	77.0 tons/mo
NOx	346.0 tons/mo
SO2	684.0 tons/mo
CO	57.0 tons/mo

(basis: cumulative increase, bubble, BACT)

C. Listed below are the permitted monthly compensatory emission limits applicable to the emission points covered by this permit and Permittee/Owner/Operator shall ensure that the emission limits are met. If the permitted monthly compensatory emission limit for any pollutant is exceeded, Permittee/Owner/Operator shall ensure that the applicable provisions of Section 3C are complied with by emission points covered by this permit.

Particulates (PM-10)	42.0 tons/mo
CO	49.1 tons/mo

(basis: cumulative increase, bubble, BACT)

D. If, at the end of any calendar month, the total emissions accumulated so far in that calendar year exceed the permitted annual emissions prorated to the number of months elapsed so far that year plus the amounts set forth below, Permittee/Owner/Operator shall ensure that the informational requirements of Section 3D are met.

Particulates (PM-10)	9.0 tons
Hydrocarbons (POC)	35.0 tons
NOx	69.0 tons
SO2	258.0 tons
CO	9.3 tons

(basis: cumulative increase, bubble, BACT)

E. The limits set forth in A & B above are legal limits that Permittee/Owner/Operator shall ensure are not exceeded. Accordingly, in the event that any such limit ever is exceeded, Permittee/Owner/Operator will be immediately subject to the applicable sanctions in Section 3 below and Permittee/Owner/Operator shall comply with the sanctions in Section 3 below. (basis: cumulative increase, bubble, BACT)

3. Emission Reductions. The following conditions will apply as appropriate, when any of the various permitted emission limits set forth in Section 2 above are exceeded.

A. If any of the permitted annual emission limits of 2A are exceeded, the following conditions shall apply:

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i. Permittee/Owner/Operator shall install and maintain on a permanent basis abatement equipment as specified in the Environmental Management Plan (or such other abatement measures approved by the Air Pollution Control Officer which will achieve equivalent emission reductions), to control emissions of the pollutant of concern so as to offset the excess at a ratio of 2:1 (i.e. for every ton per year by which the applicable limit is exceeded, the hardware to be installed or other measures to be taken shall achieve a permanent mission reduction of 2 tons per year);

ii. Permittee/Owner/Operator shall not process more than 108,000 barrels of crude oil per stream day or more than 97,000 barrels of crude oil per day averaged over any one calendar month until the emission reductions required under subsection A.i. are achieved; and iii. The permitted annual emissions limit for the pollutant of concern shall be reduced by the amount by which said limit was exceeded on a prorated calendar monthly basis, until the emission reductions required under subsection A.i. above are achieved.

(basis: cumulative increase, offsets, bubble)

B. If any of the permitted monthly maximum emission limits of 2B are exceeded, the following conditions shall apply:

i. The excess shall be charged against the permitted annual limit in 2A above which is applicable to that pollutant by twice the amount by which the limit in 2B is exceeded; provided, however, that if such monthly excess occurs during December, then, to the extent that such excess cannot be charged as provided above without causing the annual limit to be exceeded, it will be charged once against the current calendar year and once against the following calendar year;

ii. Permittee/Owner/Operator shall either (a) install and maintain on a permanent basis abatement equipment or take measures which will achieve equivalent emission reductions as specified in the Environmental Management Plan to control emissions of the pollutant of concern so as to offset the excess at a ratio of 2:1 (i.e. for every ton per month by which the applicable limit is exceeded, the hardware to be installed or other measures to be taken shall achieve a permanent emission reduction of 2 tons per month); or (b) take such other abatement measures approved by the Air Pollution Control Officer which will prevent a recurrence of the type of incident which caused the excess; and

iii. Permittee/Owner/Operator shall not process more than 108,000 barrels of crude oil per stream day or more than 97,000 barrels of crude oil per day averaged over any one calendar month until the emission reductions or other measures required under subsection B.ii. above are achieved.

(basis: cumulative increase, bubble)

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C. If any of the permitted monthly compensatory emission limits of 2C are exceeded, then the excess shall be charged against the permitted annual limit in 2A above which is applicable to that pollutant by twice the amount by which the limit in 2C is exceeded; provided, however, that if such monthly excess occurs during December, then, to the extent that such excess cannot be charged as provided above, without causing the annual limit to be exceeded, it will be charged once against the current calendar year and once against the following calendar year. However, this provision shall only apply when the sanctions set forth in subsection B above are not triggered. (basis: cumulative increase, bubble)

D. If any of the limits of 2D are exceeded, Permittee/Owner/Operator shall submit to the District within 30 days of the end of that calendar month a revised Environmental Management Plan in accordance with Section 14 below, which shall indicate the steps to be taken to assure that the permitted annual emission limits in 2A will be met for that calendar year. (basis: cumulative increase, bubble)

E. Reductions of hydrocarbons may be used to offset increases in NOx at a ratio of 1:1, provided that Permittee/Owner/Operator demonstrates to the satisfaction of the Air Pollution Control Officer that the increased NOx emissions will not cause or contribute to an excess of any ambient air quality standard for NO2 at the point of maximum ground level impact, as defined in Section 2-2-206 of the District's Rules and Regulations. (basis: cumulative increase, offsets, bubble)

F. In the event that Permittee/Owner/Operator installs abatement equipment to achieve 2:1 offsets on a permanent basis (or takes measures which will achieve equivalent permanent emission reductions) pursuant to subsection Bii (a) above, any such emission reductions will be credited towards emission reductions which may be required under subsection A.i. above for that same calendar year, provided the generation of offsets complies with applicable requirements of the SIP adopted version of Regulation 2, Rule 2. (basis: cumulative increase, offsets, bubble)

4. Monitoring and Source Testing. Permittee/Owner/Operator shall ensure that the following monitoring instruments listed are installed, calibrated, maintained and operated by Permittee/Owner/Operator:

A. An instrument to continuously monitor and record the H2S concentrations in fuel gas. (basis: toxics, NSPS)

B. An instrument to continuously monitor oxygen and nitrogen oxides concentrations in the flue gas from the following units:

S-937	No. 1 Hydrogen Plant - steam-methane reformer
S-973	No. 3 HDS recycle gas heater
S-974	No. 3 HDS fractionator feed heater
S-991	FCCU preheat furnace

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A-908 SCR unit on S-908, Furnace No. 8, at No. 3 Crude Unit
(basis: cumulative increase, offsets, BACT)

C. An instrument to continuously or sequentially monitor stack oxygen concentrations on each of, and an instrument to monitor fuel usage by, the following units:

S-909 #1 feed prep. - furnace #9
S-912 #1 feed prep. - furnace #12
S-913 #2 feed prep. - furnace #13
S-916 #1 HDS - #16 heater
S-920 #2 HDS - #20 charge heater
S-921 #2 HDS - #21 charge heater
S-928 HDN reactor - #28 furnace
S-929 HDN reactor - #29 furnace
S-930 HDN reactor - #30 furnace
S-931 Hydrocracker - #31 furnace
S-932 Hydrocracker - #32 furnace
S-933 Hydrocracker - #33 furnace
S-938 HDN prefractionator, #38 furnace

Permittee/Owner/Operator shall ensure that each and all of the required stack oxygen concentration monitors are equipped with oxygen analyzers controlled by feedback systems set at oxygen levels which will yield the minimum amount of nitrogen oxides while still achieving complete combustion. (basis: cumulative increase, offsets, bubble, BACT)

D. All other instruments listed on Table D of the Appendix to these Conditions, which are not specifically referred to in A-C above. (basis: cumulative increase, offsets)

E. Annual source testing shall be completed on S-908, S- 917, S-919, S-934 and S-935 to demonstrate compliance with the NOx, CO and NH3 emission limits in condition 7. Source tests shall be performed when firing refinery fuel gas at, or as nearly as practicable to, the maximum daily firing rates which occurred during the previous six months. Permittee/Owner/Operator shall provide to the District's Source Test Section, in writing and at least two weeks prior to testing, the proposed testing procedures, date and time. Source test procedures are subject to APCO approval. (Permittee/Owner/Operator may submit CEM data in lieu of source test data to demonstrate compliance with NOx emissions from S-908, since a CEM is required for that source.) (basis: cumulative increase, offsets, BACT)

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F. An instrument to continuously monitor and record nitrogen oxides concentration in the flue gas of furnace S-922, S-927, S-934 and/or S-935 shall be installed if a District source test indicates NOx emissions (calculated as NO2) from that furnace exceed 66 ppmv, (60 ppmv limit plus 10%). This limit shall be based on an 8 hour average and corrected to 3% excess oxygen on a dry basis. (basis: cumulative, offsets, BACT)

5. Reporting and Record Keeping. The following conditions will document Permittee's/Owner's/Operator's emissions on a monthly basis, in addition to satisfying the requirements of Regulation 10-1-402 of District regulations.

A. Permittee/Owner/Operator shall maintain a file containing all measurements, records, charts and other data which are required to be collected pursuant to the various provisions of this Conditional Permit, as well as all other data and calculations necessary to determine actual emissions from all emission points covered by this permit. This file, which may contain confidential or proprietary data, shall include, but not be limited to: the data collected from all in- stack monitoring instruments, the records on fuel input rates and relevant records of crude oil and other hydrocarbons processed. Estimates of emissions from all units covered by this permit which are included under the limits set forth in Section 2 above shall be calculated in accordance with Tables B & C of the Appendix to these Conditions. This material shall be kept available for District inspection for a period of at least 5 years following the date on which such measurements, records or data are made or recorded. (basis: cumulative increase, offsets, BACT, bubble)

B. Permittee/Owner/Operator shall make a monthly report to the District, within 30 days after the end of each month, which shall specify the emissions from all operations covered by this permit during the previous month, and shall state in detail the basis therefore. The reporting format for such reports shall be structured so as to enable the Air Pollution Control Officer to readily determine compliance with the provisions of this Conditional Permit, and shall be subject to the approval of the APCO. Any computer programs utilized by Permittee/Owner/Operator to calculate emissions from any operations covered by this permit shall also be subject to the approval of the APCO.
(basis: cumulative increase, offsets, BACT, bubble)

C. Permittee/Owner/Operator shall conduct monthly audits of all emission and fuel rate monitoring systems required under Section 4 above to insure that instrument accuracy is maintained. Permittee/Owner/Operator shall promptly repair all malfunctioning systems and replace any system that has a chronic problem. A record of the results of all such audits shall be maintained as part of the file required under A. above
(basis: cumulative increase, offsets, BACT, bubble)

6. Process Unit Design.

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A. The No. 3 HDS Unit (S-850) shall not process more than 70,000 barrels per stream day. (basis: cumulative increase, toxics, offsets, bubble)

B. B. The FCCU Merox Unit (S-848) shall not process more than 55,000 barrels per stream day. (basis: cumulative increase, offsets, toxics, bubble)

7. Combustion Controls.

A. Except during periods of startup or shutdown as defined by Regulation 9-10-218 and on a temporary basis for catalyst regeneration at S-1004 No. 2 Catalytic Reformer, emissions of nitrogen oxides (calculated as NO2) and carbon monoxide shall not exceed the following limits,. Except for S-908, these limits shall be based on an 8 hour average and corrected to 3% excess oxygen on a dry basis. For S-908, the limit shall be based on a 3 (three) hour average and corrected to 3% excess oxygen.

NOx (ppmvd)	CO (ppmvd)	Unit(s)
10	50	S-908
40		S-973, S-974 and S-991
60		S-917, S-919, S-922, S-927, S-934 and S-935
75		S-971 and S-972

(basis: cumulative increase, BACT, offsets)

B. The sum of the maximum firing rates of S-973, S-974 and S-991, described in 4B above, shall not exceed 159 x 10^6 BTU/hr.
(basis: cumulative increase, offsets)

C. For the furnaces listed in 4C above, Permittee/Owner/Operator shall demonstrate by source tests and calculations that, in the aggregate, NOx emissions do not exceed 160 lb. NOx per billion BTUs heat input when firing refinery fuel gas at, or as nearly as practicable to the maximum daily firing rates which occurred during the previous 6 months. Such demonstration shall be made annually. If aggregate emissions from these units exceed 160 lb. NOx per billion BTU heat input, Permittee/Owner/Operator will install additional controls on other units at the Avon Refinery so as to achieve the same amount of control that would be obtained if all of the units listed in 4C did achieve, in the aggregate, an emission rate of 160 lb. NOx/billion BTU heat input.
(basis: cumulative increase)

D. The mass emissions of nitrogen oxides, calculated as NO2, from furnace S-937 shall not exceed either 1430 pounds per stream day or 1089 pounds per calendar day.
(basis: cumulative increase)

E. Ammonia emissions slip from SCR unit A-908, abating NOx emissions from S-908, shall not exceed 20 ppmvd. This limit shall be based on a 3 hour average and corrected to 3% excess oxygen on a dry basis.
(basis: BACT)

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F. For the purpose of determining compliance with the emission limits in this permit, Permittee/Owner/Operator shall ensure that startup and shutdown operations, as defined in condition 1, do not exceed 8 hours in duration, unless the APCO approves in writing specific startup and shutdown times to be used in lieu of the 8 hour period. Specifically, the startup and shutdown periods for the following sources shall be limited to the hours as updated in Application # 2327 and # 2813.
S-908 No. 3 Crude Unit furnace F-8
S-973 No. 3 HDS Unit furnace F-55
S-974 No. 3 HDS Unit furnace F-56
(basis: cumulative increase, offsets)

G. Permittee/Owner/Operator shall ensure that the maximum firing rate of S917 does not exceed the 157,680 MMBtu/yr, based on the HHV of each fuel fired, during every 365 consecutive day period:
(basis: cumulative increase)

H. Permittee/Owner/Operator shall ensure that the maximum firing rate of S917 does not exceed the 432 MMBtu/day, based on the HHV of each fuel fired, during every 365 consecutive day period:
(basis: cumulative increase)

8. Hydrocarbon Controls.
   A. All new compressor seals in hydrocarbon service associated with this project shall be vented to a closed gas system, except for two high purity hydrogen make-up compressors at the new No. 3 HDS Unit. The vapors from the seals on the three (3) existing compressors S-952, S-953, and S-954 shall be collected and vented directly to the compressor inlets, or a closed gas system.
   (basis: BACT, cumulative increase)
   B. Hydrocarbon vapors associated with the new 80,000- bbl cone roof tank, S-1022 and existing tank S-57 shall be controlled by venting to the vapor recovery system. Tank S-57 may only store or contain materials which have a vapor pressure of 1.5 psia or less. This condition assures that offsets provided as part of Application No. 27769 are permanent.
   (basis: BACT, cumulative increase)
   C. In the event that No. 4 Gas Plant modifications are not constructed, Permittee/Owner/Operator shall retrofit eight (8) pumps in light hydrocarbon service with double mechanical seals or equivalent. In the event that the Hydrogen Recovery Unit is not completed, Permittee/Owner/Operator shall receive a credit of three (3) lb per calendar day against the total fugitive hydrocarbon emissions as listed in Table E of the Appendix to this Conditional Permit. (basis: cumulative increase)

9. Sulfur Recovery Facilities.

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A. The Claus Unit at the Sulfur Recovery Facility shall achieve a sulfur removal efficiency that will result in emissions of no more than 4 pounds of SO2 per ton of sulfur processed. (basis: cumulative increase, offsets)

B. In emergency situations where the entire sulfur removal capability of the Sulfur Recovery Facility is not operating, the refinery shall take immediate actions to assure that total SO2 emissions from both the refinery and the Sulfur Recovery Facility will not exceed 29 tons/stream day. These actions shall include, but need not be limited to, the following.

i. Condense and store foul water stripper overhead.

ii. Discontinue burning of coke at No. 6 Boiler.

iii. Reduce Hydrocracker-HDN feed rate to 12,000 bbl/stream day.

iv. Discontinue burning of fuel oil, except as required to maintain combustion stability and operating safety of the #5 and #6 boilers.

v. Reduce feed rate to the Coker and to the FCCU, and use all available de-sulfurized feed-stock at FCCU feed.

vi. Shut off feed to No. 1, No. 2, and No. 3 HDS Units and "hot sweep" the reactors.

~~vii.~~viii. If any emission monitor for SO2 is not operating properly, conduct a daily source test for the source in question. Such source tests shall consist of three continuous 30 minutes measurements, taken at least 30 minutes apart, of the SO2 concentration and stack gas flow rates. The average of these three measurements shall be used as the basis for establishing SO2 emissions for purposes of calculation.

~~viii.~~ix. Calculate the emissions of SO2 from all flares at the refinery, and report same to the District as part of the next monthly report required under 5B above.

ix. Report this event to the BAAQMD by telephone as soon as possible with due regard to safety, and submit a written follow-up, detailing the specific measures taken by Permittee/Owner/Operator to control SO2 emissions during the event, as part of the next monthly report required under 5B above.

Measures other than those referred to in i.-vi. above, may be substituted for any of said measures, if Permittee/Owner/Operator can satisfy the Air Pollution Control Officer that total sulfur dioxide emissions from both the refinery and the sulfur recovery facilities will not exceed 29 tons/stream day.

(basis: cumulative increase, offsets)

C. When the Sulfur Plant is shutdown and Acid Plant is operating, the refinery will immediately take the following actions to insure the H2S going to the Sulfur Recovery Facility is within the capacity of the Acid Plant under then-current operating conditions, and will not result in the emissions of more than 23 tons/stream day of SO2 from both the refinery and the Sulfur Recovery Facility.

i. Condense and store sufficient foul water stripper overhead, and/or

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ii. Reduce feed rate to the Hydrocracker-HDN, and/or
iii. Reduce feed rate to the Coker, and/or
iv. Reduce feed rate to the No. 1 HDS Unit, and/or
v. Reduce feed rate to the No. 2 HDS Unit, and/or
vi. Reduce feed rate to the No. 3 HDS Unit.
vii. Calculate the emissions of SO2 from all flares at the refinery, and report same to the District as part of the next monthly report required under 5B above.
viii. Report this event to the BAAQMD by telephone, within one (1) working day, and submit a written follow-up, detailing the measures taken to control SO2 emissions during the event, as part of the next monthly report required under 5B above. Measures other than those referred to in i.-vi. above may be substituted for any of said measures, if Permittee/Owner/Operator can satisfy the Air Pollution Control Officer that total sulfur dioxide emissions from both the refinery and the sulfur recovery facilities will not exceed 23 tons/stream day.

(basis: cumulative increase, offsets)

10. Access.
    A. The APCO or his/her representatives and the U.S. Environmental Protection Agency shall have access to appropriate portions of the refinery and wharf, to conduct source tests or inspections in accordance with Section 1-440 of the District's Rules and Regulations, and the provisions of the Clean Air Act.
    B. The APCO or his representatives and the U.S. Environmental Protection Agency shall have the right to inspect and audit all records which are required to be maintained by Section 5 above, and any other records in Permittee/Owner/Operator's possession which will disclose the nature or quantity of emissions from refinery and marine operations.

    (basis: cumulative increase, offsets, BACT)

11. Enforcement. Violation by Permittee/Owner/Operator of any of the conditions set forth in this Conditional Permit shall subject Permittee/Owner/Operator to enforcement action under Chapter 4 of Part 4 of Division 26 of the California Health and Safety Code, and to enforcement action by the U.S. Environmental Protection Agency pursuant to the Clean Air Act (42 U.S.C. S7401, et seq.). As appropriate, each and every such violation shall be deemed to be a discrete and separate violation with respect to which the District will be entitled to take legal action.
    (basis: cumulative increase, offsets, BACT)

12. Miscellaneous.
    A. No. 1 Isomerization Unit shall be dismantled within ninety (90) days after start-up of the #3 HDS Unit.

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B. Tanks A-142 and A-319 shall be dismantled within ninety (90) days prior to start-up of the #3 HDS Unit.

C. All equipment, facilities, and systems installed or used pursuant to, or to achieve compliance with the terms and conditions of, this Conditional Permit shall at all times be maintained in good working order and be operated with due regard for the goal of complying with the terms and conditions of this permit and with all applicable District regulations.

D. Nothing in these conditions shall be construed to allow the violation of any law or of any rule or regulation of the Bay Area Air Quality Management District, the State of California or the United States Environmental Protection Agency.

E. Any emission reductions which Permittee/Owner/Operator may be required to undertake in accordance with Section 3 above shall not be eligible to be credited as emission reductions against any subsequent projects for purposes of calculating "cumulative increases", nor shall they be eligible to be "banked" in accordance with the District's New Source Review Rule. However, any emission reductions which Permittee/Owner/Operator achieves in accordance with the Rules and Regulations of the District, above and beyond those reductions required pursuant to this Conditional Permit, may be so credited or "banked."

F. In the event of changes in District regulations which will require actual reductions in the amount of emissions from existing sources which would otherwise be allowed under the terms of this Conditional Permit, the annual limits set forth in Section 2 above shall be reduced by the APCO by an amount equivalent to what would be required under any such rule change.

G. The baseline emissions for purposes of the permit analysis of any proposed new or modified units, which may in the future be proposed to be built by Permittee/Owner/Operator within the boundaries of the Avon Refinery, will be the limits set forth in Section 2A above, as may be amended to reflect subsequent revisions to District rules pursuant to Section 12F or subsequent deposits to or withdrawals from the District's emissions bank, rather than actual emissions after the baseline period of 1977- 1979 (which was used as the basis for issuance of this permit), if doing so is allowed pursuant to the SIP adopted version Section 604.2 of Regulation 2, Rule 2.

H. In the course of constructing the project covered by this Conditional Permit, Permittee/Owner/Operator shall install no more valves, pumps, flanges, process drains and compressors for this project than are listed in Table E of the Appendix to this Permit, unless the emissions associated therewith are accompanied by intra-source emission reductions on a 1:1 basis. Permittee/Owner/Operator shall provide written confirmation of compliance with this condition within 90 days after the start-up of the new #3 HDS Unit.

I. Permittee/Owner/Operator shall apply for a permit when any tanks presently out of service or presently in exempt service are proposed to be placed in

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nonexempt service. The emissions from any such tanks shall be calculated and, if applicable, shall be subject to the requirements of G. above.

J. Instrument downtime (including, but not limited to, in-stack monitors and other instruments whose readings are used to calculate emissions) caused by malfunction, upset, breakdown, repair, maintenance or failure where such instrument down-time exceeds a continuous 24-hour period shall be handled as follows for purposes of calculating emissions: Emissions shall be determined by reference to the recorded value for that instrument from the last calendar day (or other relevant period) immediately preceding the day on which the instrument in question became inoperable, for which there was a valid reading, unless the Air Pollution Control Officer determines on the basis of other evidence (such as, but not limited to, the results of source tests conducted during the period in which the instrument is not operating, or changes in operating conditions of the unit in question) that some other value more reasonably reflects the actual emissions during the period in question.

K. Emissions in excess of applicable emission limitations resulting from breakdowns, malfunctions or other causes for which a variance, an interim variance, or an emergency variance is granted by the Hearing Board, or for which the Air Pollution Control Officer grants relief in accordance with Section 1-112 of the District's Rules and Regulations, may be excluded by the Hearing Board or Air Pollution Control Officer, as appropriate, from those emission totals which are counted towards compliance with the limits set forth in Section 2 above; provided, however, that this provision shall not excuse Permittee/Owner/Operator from the obligation to report to the District pursuant to 5B above the actual emissions from the emission points covered by this permit during the period covered by any such relief. This part (part K) of this condition is not federally enforceable.

L. If Permittee/Owner/Operator can demonstrate by modeling to the satisfaction of the Air Pollution Control Officer, consistent with the requirements of the SIP adopted version of Regulation 2, Rule 2 and applicable provisions of the federal Code of Regulations, that increased emissions of carbon monoxide from all emission points covered by this permit will not interfere with the attainment or maintenance of all applicable air quality standards for CO within the District, then the various limits for carbon monoxide set forth in Section 2 of this permit shall be adjusted accordingly.

(basis: cumulative increase, offsets)

13. Severability. The provisions of this Conditional Permit are intended to be severable, and, if any individual condition or provision hereof is held to be invalid by order of any court of competent jurisdiction, or for any other reason, the remainder of this Conditional Permit shall not be affected thereby.
(basis: cumulative increase, offsets, BACT)

14. Environmental Management Plan.

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Sixty days prior to start-up of the No. 2 Hydrogen Plant (S-994), an initial Environmental Management Plan (EMP) shall be submitted to the District for review by the Air Pollution Control Officer. This plan shall specify how Permittee/Owner/Operator will assure that the permitted annual and monthly maximum emission limits set forth in Sections 2A & 2B above will not be exceeded, and also shall describe feasible options for providing emissions reductions which would be required under Section 3 above, if any of the emissions limits of Sections 2A & 2B were exceeded. The options to be described shall include the installation of various types of abatement equipment which would achieve permanent offsets, and the adoption by Permittee/Owner/Operator of various operational limitations and other short-term control measures which would limit emissions. Both long-term and short-term control options shall be discussed. The purpose of this plan is to provide assurance that Permittee/Owner/Operator is capable of taking all reasonable steps to assure that the various limits established by this Conditional Permit will be complied with, and to expedite any installation of abatement equipment if it is ever required.

The EMP shall be updated and resubmitted to the District for review by the APCO, whenever any of the limits set forth in Section 2D above are exceeded, or within 1 year after the most recent EMP submittal, whichever comes first. However, in the event that EMP resubmittal is triggered by an excess of any of the limits of Section 2D, that resubmittal shall also describe in detail the means by which Permittee/Owner/Operator will assure that the permitted annual emissions limit of Section 2A will not be exceeded for that calendar year, and shall describe in detail specific control techniques available, and the sources to which they would be most applicable, in the event that permanent offsets were needed. To the extent that any EMP submittal contains confidential information, such information shall be afforded the protection provided by applicable laws, rules and regulations.

Once the APCO has reviewed an EMP submittal, the District staff's comments and recommendations on it shall be forwarded to Permittee/Owner/Operator as expeditiously as practicable. Within 30 days after its receipt of such comments and recommendations, Permittee/Owner/Operator shall either (1) revise the EMP to reflect such comments and recommendations; or (2) attach as an Appendix to the EMP all comments and recommendations which Permittee/Owner/Operator did not include in its EMP revision together with a detailed explanation as to why each comment and recommendation was not adopted or included in the EMP itself. (basis: cumulative increase, offsets, BACT)

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Condition # 4587
S1026 DNF Air Stripper
MODIFIED CONDITIONS FOR P/O #4990 (DNF EFFLUENT CHANNEL AIR STRIPPER SYSTEM):

1. At all times, except for periods of ongoing inspection, maintenance, or wastewater sampling, Permittee/Owner/Operator shall ensure that the DNF outlet channel is be covered and vented to the DNF air stripping system S-1026 and abated by the thermal incinerator A-39 or activated carbon adsorption system A-38 operating properly as designed. (basis: cumulative increase)

2. Permittee/Owner/Operator shall ensure that the DNF air stripping compressor is not operated unless the air sweep fans and the thermal incinerator A-39 or the carbon adsorption system A-38 are operating properly. (basis: cumulative increase)

3. Permittee/Owner/Operator shall ensure that a differential pressure controller varies the air sweep fan speed, relative to the air stripping rate, to control the air space below the DNF covers to a pressure less than atmospheric pressure. (basis: cumulative increase)

4. Permittee/Owner/Operator shall ensure that the carbon adsorption system A-38 consists of two parallel trains, each consisting of two carbon canisters in series. Permittee/Owner/Operator shall ensure that the first canister in series, which functions as the primary hydrocarbon removal canister, will be denoted as Canister #1. Permittee/Owner/Operator shall ensure that the second canister in series, which functions as the primary H2S removal canister, will be denoted as Canister #2. (basis: toxics)

5. A. Permittee/Owner/Operator shall ensure that the non-methane hydrocarbon emissions to the atmosphere from the thermal incinerator A-39 shall not exceed 10 ppm (calculated as C1) on a rolling one hour average basis.
   B. Permittee/Owner/Operator shall ensure that non-methane hydrocarbon emissions to the atmosphere from the carbon adsorption system A-38 shall not exceed 20 ppm (calculated as C1) on a rolling one hour average basis.

6. To verify compliance with Condition No. 5, Permittee/Owner/Operator shall install, maintain, and operate a District approved continuous hydrocarbon monitor and recorder.

7. Permittee/Owner/Operator shall ensure that H2S emissions to the atmosphere from the thermal incinerator A-39 and/or the carbon adsorption system A-38 shall not exceed 1 ppm. (basis: toxics)

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8. Permittee/Owner/Operator shall ensure that testing for hydrocarbon and H2S breakthrough in each of the two parallel trains of the carbon adsorption system A-38 is done according to the following schedule and methodology.

Hydrocarbon testing:

- Testing shall be accomplished with a District approved portable hydrocarbon analyzer through sample taps located immediately downstream of Canister #1 and immediately downstream of Canister #2.
- Testing shall be done at least once during every 24 hours of operation.
- As an alternative to daily testing, a District approved continuous monitor/recorder may be used to measure the concentration immediately downstream of Canister #1.
- When the concentration of non-methane hydrocarbons immediately downstream of Canister #1 exceeds 20 ppm, flow will be diverted to the parallel fresh Canister #1 within one hour.
- The spent canister shall be replaced within 4 working days of changeover to the fresh Canister #1. (basis: cumulative increase, offsets)

Hydrogen Sulfide testing:

- Permittee/Owner/Operator shall ensure that hydrogen sulfide testing is accomplished with a District approved portable H2S analyzer through sample taps located in Canister #2 and immediately downstream of Canister #2.
- Permittee/Owner/Operator shall ensure that hydrogen sulfide testing is done at least once during every 24 hours of operation.
- As an alternative to daily testing, Permittee/Owner/Operator shall ensure that for hydrogen sulfide testing, a District- approved continuous monitor/recorder is used to measure the hydrogen sulfide concentration in Canister #2.
- When the H2S concentration in the sample tap in Canister #2 and closest to the outlet of Canister #2 exceeds 1 ppm, Permittee/Owner/Operator shall ensure that the flow will be diverted to the fresh parallel Canister #2 within one hour.
- Permittee/Owner/Operator shall ensure that the spent canister is replaced within 2 weeks of changeover to the fresh carbon adsorption system. (basis: toxics)

9. Permittee/Owner/Operator shall ensure that the thermal incinerator A-39 shall not be used to abate stripped gas from the air stripper S-1026 unless A-39 is operating at a minimum furnace temperature of 1350 ^{o}F, to ensure compliance with Condition Nos. 5 and 7. In the event that the incinerator A-39 is not available as a control device, then Permittee/Owner/Operator shall ensure that the stripped gas from S-1026 is abated by the carbon adsorption system A-38.
(basis: cumulative increase, offsets)

10. Permittee/Owner/Operator shall install, maintain, and operate a District- approved continuous temperature monitor/recorder to verify compliance with Condition No. 9.
(basis: cumulative increase, offsets)

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11. Permittee/Owner/Operator shall maintain a file of District approved records containing all measurements, records, charts, and other data which are required of this conditional permit, as well as all other data and calculations necessary to determine compliance with the conditions of this permit. Permittee/Owner/Operator shall ensure that this file includes, but is not limited to:

    a. The hours of operation of each permitted piece of equipment, including identification of the abatement device(s) used to control emissions from air stripper S-1026 and the API/DAF system S-819: thermal incinerator A-39 or carbon adsorption system A-38 or the refinery vapor recovery system A-14 (backup abatement device for S-819 only).
    b. Each monitor reading, recording, or analysis result for the day of operation they are taken.
    c. Identification of carbon canisters removed from service, including the time and date of each changeout.

This file of District approved records shall be kept available for District inspection for a period of at least 5 years following the date on which such measurements, records, or data are made or recorded.

Permittee/Owner/Operator shall ensure that each and every exceedance of Condition No(s). 5, 6, 7 and/or 8 is reported to the District's Enforcement Division within 96 hours after the occurrence. The submittal shall include the data showing the exceedance and its time of occurrence, and shall detail the nature, extent, probable cause of the exceedance, and corrective action taken to eliminate the exceedance and comply with applicable requirements.
(basis: cumulative increase, offsets)

Condition # 5000

CONDITIONS FOR STORAGE TANK S-705 SECONDARY SEAL:

1. The secondary seal installed on storage tank S-705 must meet the criteria of Regulation 8-5, Sections 322. (basis: Reg. 8-5, cumulative increase)

2. To verify compliance with Condition #1 above, the owner/operator of S-705 shall submit to the District, within 30 days of installation of the secondary seal, a written report of the seal condition including certification of actual gap measurements between the tank shell and seal surface. This certification shall be submitted to the District on an annual basis. The time interval between certifications shall not exceed 15 months. (basis: Reg. 8-5, cumulative increase)

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Condition # 5379
Facility Condition

A. In order for Permittee/Owner/Operator to use the controlled lightering factors, they must abide by the following conditions:
   1. Permittee/Owner/Operator shall contract with crude carriers to allow the District access to all crude lightering operations conducted in the San Francisco Bay and to be delivered to Permittee/Owner/Operator. Access to lightering operations shall be provided via the regularly scheduled water-taxi service. (basis: cumulative increase, offsets, bubble)
   2. Permittee/Owner/Operator or its agent shall provide a listing and voyage history for all ships delivering crude to Permittee/Owner/Operator, calculate emissions using the emission factors in Condition No. 5, provide pressure charts required in Condition No. 7, and submit a report on a quarterly basis to the District. (basis: cumulative increase, offsets, bubble)
   3. On a quarterly basis, Permittee/Owner/Operator or its agent shall provide the District with copies of all U.S. Army Corps of Engineers form 3925 for all material transferred by or for Permittee/Owner/Operator in the San Francisco Bay for delivery to Permittee/Owner/Operator. (basis: cumulative increase, offsets, bubble)
   4. On a quarterly basis, Permittee/Owner/Operator or its agent shall provide verification of each controlled transfer. (basis: cumulative increase, offsets, bubble)
   5. Permittee/Owner/Operator shall use the following emission factors to calculate emissions from crude oil lightering operations:

	Ships	Barges
controlled,lb/Mgal	0.05	0.085
uncontrolled,lb/Mgal	1.0	1.7

   (basis: cumulative increase, offsets, bubble)
   6. The highest pressure developed during the lightering shall not exceed 80% of the lowest relief valve set pressure of either vessel involved in the transfer. Pressure excursions not exceeding 15 minutes cumulative duration during a lightering transfer and not causing lifting of any pressure relief device shall be allowed. (basis: cumulative increase, offsets, bubble)
   7. The pressure developed in the vessel tanks during lightering shall be continuously recorded while the vessel is in District waters. (basis: cumulative increase, offsets, bubble)
   8. The tanks of all vessels involved in a lightering operation using the controlled emission factors shall be tested to verify that there is no leakage at 80% of the lowest relief valve set pressure at least once every three years. This test shall be done at the completion of refurbishing ("dry dock") and shall test the entire system, manifold, pressure relief valves, hatch covers, etc. An OVA, bubble

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test, or other equivalent procedure approved by the APCO may be used. (basis: cumulative increase, offsets, bubble)

9. During controlled lightering operations, both vessels' inert gas systems shall be isolated from the vapor space of the cargo tanks. If inert gas is generated during the transfer of cargos, the emissions for that transfer shall be calculated using the controlled emissions factors. If Permittee/Owner/Operator can demonstrate that emissions were partially controlled, to the sastisfaction of the APCO, emissions less than uncontrolled may be allowed. (basis: cumulative increase, offsets, bubble)
10. A fugitive emission maintenance program will be implemented on each lighter vessel used by Permittee/Owner/Operator or its agent. A complete survey of all above-deck equipment will be performed by Permittee/Owner/Operator or its agent once per quarter. (basis: cumulative increase, offsets, bubble)
11. Using an OVA, bubble test, or other procedure approved by the APCO, Permittee/Owner/Operator or their agent shall conduct a fugitive emission survey of all in-service pressure relief valves on both vessels prior to completion of 20% of the cargo transfer and repeated at least once after transferring 60% of the cargo. A leak shall be defined as a reading in excess of 10,000 ppmv, as methane. All readings in excess of 10,000 ppmv, as methane, shall be noted by source and maximum concentration. If any leak cannot be repaired, or valve removed from service, within 15 minutes of detection, the uncontrolled emission factors of Condition No. 5 shall be used to calculate emissions for the entire lightering event. If Permittee/Owner/Operator can demonstrate that emissions were partially controlled, to the satisfaction of the APCO, based on District approved emissions monitoring, emissions less than uncontrolled may be used. All survey results shall be summarized in the report required by Condition No. 2. (basis: cumulative increase, offsets, bubble)
12. Vessel involved in controlled lightering events shall not perform any operations which result in venting crude oil cargo vapors in District waters. These operations include as example:open cargo inspections, open gauging, gas freeing of tanks for maintenance or inspection, or venting of ballast loading emissions. When any such venting operation is required, the circumstances of the incident will be logged, along with pertinent information such as tank volume, contents, and pressure before and after venting. The uncontrolled emission factors of Condition No. 5 shall be used to calculate emissions for the entire loading operation. If Permittee/Owner/Operator can demonstrate that emissions were partially controlled to the satisfaction of the APCO, based on District approved source testing, emissions less than uncontrolled may be used. These emissions will be added to the emission calculations and reported under Condition No. 2. (basis: cumulative increase, offsets, BACT, bubble)
13. Permittee/Owner/Operator's annual hydrocarbon emisssions cap shall be reduced by 27.8 tons per year on the date when Regulation 8, Rule 46, Marine

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Vessel to Marine Vessel, becomes effective. If the effective date does not fall on January 1st, the amount of reduction for the particular year in which the Rule becomes effective shall be prorated for the remainder of the year following the effective date. (basis: cumulative increase, offsets, bubble)

Condition # 5711

S795 Tank A-307

1. Permittee/Owner/Operator shall ensure that the total material throughput for storage tank S-795 does not exceed 11,000 gallons in any consecutive 12 month period. (basis: toxics, cumulative increase)

2. If a material other than 1,1,1 trichloroethane or perchloroethylene is to be stored in tank S-795, the Permittee/Owner/Operator shall first apply to, and receive from, the District a change in permit conditions, unless the modification is exempt from Authority to Construct requirements under limited exemption 2-1-106. (basis: toxics, cumulative increase)

3. Permittee/Owner/Operator shall ensure that all tank loading operations at S-795 are abated by the vapor balance system A-796. (basis: cumulative increase, toxics)

4. In order to demonstrate compliance with the above conditions, the Permittee/Owner/Operator of tank S-795 shall maintain the following records in a District approved log. These records shall be kept on site and made available for District inspection for a period of five years from the date that the record was made.
   a. Identification of all materials stored and the dates that the materials were stored.
   b. The total daily throughput of each material stored, summarized on a monthly basis.

   (basis: cumulative increase, toxics)

Condition # 5933
S-279 Tank A-279
PERMIT CONDITIONS FOR S-279, INTERNAL FLOATING ROOF STORAGE TANK:

1. Permittee/Owner/Operator shall ensure that the floating roof and primary and secondary seals installed on storage tank S-279 meet the design specifications and seal gap requirements of District Regulation 8, Rule 5 for an internal floating roof tank with riveted shell and metallic shoe primary seal and secondary wiper seal. (basis: Regulation 8-5, cumulative increase)

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2. To verify compliance with Condition #1 above, the Permittee/Owner/Operator of S-279 shall submit to the District within 30 days of installation or replacement of any primary or secondary seals, a written report of the seal condition including certification of actual gap measurements between the tank shell and seal surface. Permittee/Owner/Operator shall ensure that, for each seal, the time interval between such certifications shall not exceed 10 years. (basis: Regulation 8-5, cumulative increase)

Condition # 5944
S642 Tank A-642
PERMIT CONDITIONS FOR S-642, EXTERNAL FLOATING ROOF STORAGE TANK:

1. Permittee/Owner/Operator shall ensure that the floating roof and primary and secondary seals installed on storage tank S-642 meet the design specifications and seal gap requirements of District Regulation 8, Rule 5 for an external floating roof tank with welded shell and metallic shoe primary seal and secondary wiper seal. (basis: Regulation 8-5, cumulative increase)

2. To verify compliance with Condition #1 above, Permittee/Owner/Operator of S-642 shall submit to the District within 30 days of installation or replacement of any primary or secondary seals, a written report of the seal condition including certification of actual gap measurements between the tank shell and seal surface. For secondary seals, this certification shall be submitted to the District on an annual basis. Permittee/Owner/Operator shall ensure that the time interval between such certifications does not exceed 15 months. For primary seals, Permittee/Owner/Operator shall ensure that the certification is submitted to the District at least once every 5 years. (basis: Regulation 8-5, cumulative increase)

Condition # 5957
S-26 Tank A-26
TESORO REFINING AND MARKETING COMPANY, APPL. #6724, PL. #13

1. Permittee/Owner/Operator shall ensure that the secondary seal installed on storage tank S-26 meets criteria of District Regulation 8, Rule 5, Section 322. (basis: Regulation 8-5, cumulative increase)

2. To verify compliance with Condition #1 above, Permittee/Operator/Operator of S-26 shall submit to the District, within 30 days of installation of the secondary seal, a written report of the seal condition including certification of actual gap measurements between the tank shell and seal surface. Permittee/Owner/Operator shall ensure that this certification is submitted to the District on an annual basis. Permittee/Owner/Operator shall ensure that the time interval between certifications does not exceed 15 months. (basis: Regulation 8-5, cumulative increase)

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Condition # 6740
Application 6167 (August 1992) amended by application 12404 (April 2005) to correct permit condition to explicitly allow storage of ethyl alcohol, eliminate repetition of District Rules in condition.

S612 Tank A-612; Internal Floating Roof, Capacity: 420K Gallons, Storing: Gasoline and Ethyl Alcohol
PERMIT CONDITIONS FOR S-612, INTERNAL FLOATING ROOF STORAGE TANK.

1. Deleted by Application 12404 (Covered by Regulation 8, Rule 5).~~Permittee/Owner/Operator shall ensure that the floating roof and primary and secondary seals installed on storage tank S-612 meet the design specifications and seal gap requirements of District Regulation 8, Rule 5 for an internal floating roof tank with welded shell and metallic shoe primary seal and secondary wiper seal. (basis: Regulation 8-5, cumulative increase)~~

2. Deleted by Application 12404 (Notification of seal installation provided).~~To verify compliance with Condition #1 above, Permittee/Owner/Operator of S-612 shall submit to the District, within 30 days of installation or replacement of the primary and secondary seals, a written report of the seal condition and gap allowances of the primary and secondary seals, including certification of the actual gap measurements between the tank shell and seal surface. For each seal, Permittee/Owner/Operator shall ensure that the time interval between such certifications does not exceed 10 years.~~
~~(basis: Regulation 8-5, cumulative increase)~~

3. Owner/Operator shall ensure that the total liquid throughput for storage tank S-612 does not exceed 243,000 barrels during any consecutive 12 month period. (basis: cumulative increase)

4. Owner/Operator shall ensure that only gasoline or ethyl alcohol is stored in tank S-612. If an alternative material is to be stored in S-612, the owner/operator shall first apply for and receive from the District written approval for the storage of the alternative material(s). (basis: cumulative increase)

5. In order to demonstrate compliance with the above conditions, the Permittee/Owner/Operator of tank S-612 shall maintain the following records in a District approved log:
   a. The types of material stored and the dates that the materials were stored.
   b. The total throughput of each material stored, summarized on a monthly basis. Permittee/Owner/Operator shall ensure that these records are kept on site and

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made available for District inspection for a period of 5 years from the date that the last record was made. (basis: cumulative increase, Regulation 8-8-501)

Condition # 7144
S601 Tank A-601
PERMIT CONDITIONS FOR S-601, INTERNAL FLOATING ROOF STORAGE TANK:

1. Permittee/Owner/Operator shall ensure that the floating roof and primary and secondary seals installed on storage tank S-601 meet the design specifications and seal gap requirements of District Regulation 8, Rule 5, for an internal floating roof tank with welded shell and metallic shoe primary seal and secondary wiper seal. (basis: cumulative increase, Regulation 8-5)

2. To verify compliance with Condition #1 above, Permittee/Owner/Operator of S-601 shall submit to the District within 30 days of installation or replacement of any primary or secondary seals, a written report of the seal condition including certification of actual gap measurements between the tank shell and seal surface. For each seal, the time interval between such certifications shall not exceed 10 years. (basis: cumulative increase, Regulation 8-5)

Condition # 7397
S901 No. 7 Boiler

1. Permittee/Owner/Operator shall ensure that the total ammonia injection at A-30, electrostatic precipitator, does not exceed 1,800 lb. in any consecutive 24 hour period (75 lb/hr basis). (basis: toxics)

2. To verify compliance with Condition No. 1, the Permittee/Owner/Operator of A-30 shall install and maintain a District-approved aqueous ammonia flow meter and recorder. Permittee/Owner/Operator shall ensure that the records are made available for District inspection and kept for a period of at least five years after date of entry. (basis: toxics, cumulative increase, offsets)

As an alternative to such ammonia flow monitoring, the owner/operator of A-30 may elect to conduct a District- approved flow rate test that demonstrates that the maximum ammonia injection rate cannot exceed 75 lb/hr. (basis: toxics)

3. S-901, boiler #7 shall burn only gaseous fuels. (basis: cumulative increase)

Condition # 7405
S590 DEA Flash Drum

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1. (Condition deleted: fugitive component count submitted in accordance with authority to construct condition; cumulative increase adjusted to 14.1 lb/day POC)

2. The Permittee/Owner/Operator of S-590 shall implement an Inspection and Maintenance program for fugitive POC emissions from all new pumps, valves and flanges associated with this project in accordance with District Regulation 8, Rules 18, 25, and 28 with the following revisions:
   a. Permittee/Owner/Operator shall ensure that all accessible pumps, valves, and flanges are subjected to quarterly inspection and maintenance criteria;
   b. The leak limitation shall be 100 ppm (expressed as methane) for valves and flanges and 500 ppm (expressed as methane) for pumps, measured above background, 1 cm from the source;
   c. Permittee/Owner/Operator shall ensure that within 7 days of detection, each and all leaks shall be repaired or minimized in accordance with the above referenced Regulations.

Permittee/Owner/Operator shall ensure that S590 is operated in compliance with each future revision to Regulation 8, Rules 18, 25, or 28 with the understanding that revisions shall supersede the above listed requirements, but only if the revised Rule requirement is more stringent than the above criteria.
(basis: cumulative increase, toxics, Regulation 8-18. Regulation 8-25, Regulation 8-28)

3. Permittee/Owner/Operator shall ensure that all new pressure relief valves associated with this project shall be vented to the refinery flare gas recovery system.

(basis: cumulative increase, Regulation 8-28)

Condition # 7406
S819 API Oil-Water Separator
S1026 DNF Air Stripper
APPLICATION #8592
API SEPARATOR/DNF UNIT ABATEMENT PROJECT PERMIT CONDITIONS

Conditions for this A #8592:

A1. During all times of operation of Source S-819, Permittee/Owner/Operator shall ensure that the API oil/water separator, influent head channel and wet oil pit, and dissolved air flotation (DAF) unit are all be enclosed and vented to the headspace of the air stripper S-1026 and abated by the thermal incinerator A-39, except as indicated below. (basis: Regulation 8-8, BACT, offsets, toxics, cumulative increase)

A2. Permittee/Owner/Operator shall ensure that in the event that thermal oxidizer A-39 is not available as a control device for S-819, then S-819 shall either be abated by the backup activated carbon system A-38 of Permit #4990, or by the refinery vapor

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recovery system A-14. (basis: Regulation 8-8, BACT, offsets, toxics, cumulative increase)

A3. All Source S-819 inspection and access hatches shall be closed except when the opening is being used for inspection, maintenance, or wastewater sampling. (basis: Regulation 8-8, BACT, offsets, toxics, cumulative increase)

A4. The covers installed on the east and west sump pump pits, slide head gate area, trash rack area, sludge sump, and junction boxes must meet the respective seal and enclosure requirements of District Regulation 8, Rule 8. (basis: Regulation 8-8, BACT, offsets, toxics, cumulative increase)

MODIFIED CONDITIONS FOR A #4990 (DNF EFFLUENT CHANNEL AIR STRIPPER SYSTEM):

B1. Permittee/Owner/Operator shall ensure that at all times, except for periods of ongoing inspection, maintenance, or wastewater sampling, the DNF outlet channel shall be covered and vented to the DNF air stripping system S-1026 and abated by the thermal incinerator A-39 or activated carbon adsorption system A-38 operating properly as designed. (basis: Regulation 8-8, BACT, offsets, toxics, cumulative increase)

B2. Permittee/Owner/Operator shall ensure that the DNF air stripping compressor does not operate unless the air sweep fans and the thermal incinerator A-39 or the carbon adsorption system A-38 are operating properly. (basis: Regulation 8-8, BACT, offsets, toxics, cumulative increase)

B3. Permittee/Owner/Operator shall ensure that a differential pressure controller varies the air sweep fan speed, relative to the air stripping rate, to control the air space below the DNF covers to a pressure less than atmospheric pressure. (basis: Regulation 8-8, BACT, offsets, toxics, cumulative increase)

B4. Permittee/Owner/Operator shall ensure that the carbon adsorption system A-38 consists of two parallel trains, each consisting of two carbon canisters in series. Permittee/Owner/Operator shall ensure that the first canister in series, which functions as the primary hydrocarbon removal canister, is denoted as Canister #1. Permittee/Owner/Operator shall ensure that the second canister in series, which functions as the primary H2S removal canister, is denoted as Canister #2. (basis: Regulation 8-8, BACT, offsets, toxics, cumulative increase)

B5. A. Permittee/Owner/Operator shall ensure that non-methane hydrocarbon emissions to the atmosphere from the thermal incinerator A-39 do not exceed 10 ppm (calculated as C1) on a rolling one hour average basis. (basis: BACT, offsets, cumulative increase)

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B. Permittee/Owner/Operator shall ensure that non-methane hydrocarbon emissions to the atmosphere from the carbon adsorption system A-38 do not exceed 20 ppm (calculated as C1) on a rolling one hour average basis. (basis: BACT, offsets, cumulative increase)

B6. To verify compliance with Condition No. B5, Permittee/Owner/Operator shall install, maintain, and operate a District approved continuous hydrocarbon monitor and recorder. (basis: BACT, offsets, cumulative increase)

B7. Permittee/Owner/Operator shall ensure that H2S emissions to the atmosphere from the thermal incinerator A-39 or the carbon adsorption system A-38 do not exceed 1 ppm. (basis: toxics

B8. Permittee/Owner/Operator shall ensure that testing for hydrocarbon and H2S breakthrough in each of the two parallel trains of the carbon adsorption system A-38 is done according to the following schedule.

Hydrocarbon testing:

- Permittee/Owner/Operator shall ensure that hydrocarbon emissions testing is accomplished with a District approved portable hydrocarbon analyzer through sample taps located immediately downstream of Canister #1 and immediately downstream of Canister #2.
- Permittee/Owner/Operator shall ensure that the testing is done at least once during every 24 hours of operation.
- As an alternative to daily testing, Permittee/Owner/Operator shall ensure that a District approved continuous monitor/recorder is used to measure the concentration immediately downstream of Canister #1.
- When the concentration of non-methane hydrocarbons immediately downstream of Canister #1 exceeds 20 ppm, Permittee/Owner/Operator shall ensure that flow is diverted to the parallel fresh Canister #1 within one hour.
- Permittee/Owner/Operator shall ensure that the spent canister is replaced within 4 working days of changeover to the fresh Canister #1.

(basis: BACT, offsets, cumulative increase)

Hydrogen Sulfide testing:

- Permittee/Owner/Operator shall ensure that hydrogen sulfide emissions testing is accomplished with a District approved portable H2S analyzer through sample taps located in Canister #2 and immediately downstream of Canister #2.
- Permittee/Owner/Operator shall ensure that testing is done at least once during every 24 hours of operation.
- As an alternative to daily testing, Permittee/Owner/Operator shall ensure that a District- approved continuous monitor/recorder is used to measure the concentration in Canister #2.

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- When the H2S concentration in the sample tap in Canister #2 and closest to the outlet of Canister #2 exceeds 1 ppm, Permittee/Owner/Operator shall ensure that the flow is diverted to the fresh parallel Canister #2 within one hour.
- Permittee/Owner/Operator shall ensure that the spent canister shall be replaced within 2 weeks of changeover to the fresh carbon adsorption system.

(basis: toxics)

B9. Within 60 days of startup of the thermal incinerator A- 39, Permittee/Owner/Operator shall conduct a District approved source test to verify compliance with Condition Nos. B5 and B7. In addition, Permittee/Owner/Operator shall ensure that this test determines the minimum operating temperature of the incinerator A-39 required to ensure compliance on a continuous basis, as specified in Condition Nos. B10 and B11. (basis: BACT, offsets, cumulative increase)

B10. Permittee/Owner/Operator shall ensure that thermal incinerator A-39 is not be used to abate stripped gas from the air stripper S-1026 unless A-39 is operating at or above the minimum furnace temperature determined by source test per Condition No. 9. This minimum temperature shall be increased if the District determines that the source test of Condition No. B9 deems it necessary for compliance with Conditions Nos. B5 and B7. In the event that the incinerator A-39 is not available as a control device, then Permittee/Owner/Operator shall ensure that the stripped gas from S-1026 shall be abated by the carbon adsorption system A-38.
(basis: BACT, offsets, cumulative increase)

B11. Permittee/Owner/Operator shall install, maintain, and operate a District- approved continuous temperature monitor/ recorder to verify compliance with Condition Nos. 9 and 10.
(basis: BACT, offsets, cumulative increase)

B12. Permittee/Owner/Operator shall maintain a file of District approved logs containing all measurements, records, charts, and other data which are required of this conditional permit, as well as all other data and calculations necessary to determine compliance with the conditions of this permit. This file must include, but is not limited to:

a. The hours of operation of each permitted piece of equipment, including identification of the abatement device(s) used to control emissions from air stripper S-1026 and the API/DAF system S-819: thermal incinerator A-39 or carbon adsorption system A-38 or the refinery vapor recovery system A-14 (backup abatement device for S-819 only).
b. Each monitor reading, recording, or analysis result for the day of operation they are taken.
c. Identification of carbon canisters removed from service, including the time and date of each changeout.

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Permittee/Owner/Operator shall ensure that the District approved logs are kept on site and that they are made available for District inspection upon request for a period of at least 5 years following the date on which such measurements, records, or data are made or recorded.

Any exceedance of Condition No(s). 5, 6, 7 and/or 8 shall be reported to the District's Enforcement Division within 96 hours after such occurrence. The submittal shall include the data showing the exceedance and its time of occurrence, and shall detail the nature, extent, probable cause, and corrective action taken.

(basis: BACT, offsets, cumulative increase, toxics)

Condition # 7410
S606 50 Unit Wastewater Air Stripper A
S607 50 Unit Wastewater Air Stripper B

1. Permittee/Owner/Operator shall ensure that the air strippers S-606 and S-607 are not operated unless they are abated at all times by furnace S-950. (basis: cumulative increase, toxics)

2. Permittee/Owner/Operator shall ensure that the total stripped gas throughput from the air strippers S-606 and S-607 does not exceed 700 SCFM. (basis: cumulative increase, toxics)

3. Permittee/Owner/Operator shall ensure that non-methane hydrocarbon emissions to the atmosphere from furnace S-950 do not exceed 20 ppm (calculated as C1) on a rolling one hour average basis. (basis: cumulative increase)

4. Permittee/Owner/Operator shall ensure that H2S emissions to the atmosphere from furnace S-950 do not exceed 1 ppm on a rolling one hour average basis. (basis: toxics)

5. Permittee/Owner/Operator shall ensure that furnace S-950 is not used to abate stripped gas from the air strippers S-606 and S-607 unless S-950 is operated with a furnace temperature of at least 1500°F. This minimum temperature may be adjusted by the District if source test data demonstrate that an alternate temperature is necessary for or capable of maintaining compliance with Condition Nos. 3 and 4. (basis: cumulative increase)

6. Permittee/Owner/Operator shall install, maintain, and operate a District- approved continuous temperature monitor/recorder to verify compliance with Condition No. 5. (basis: cumulative increase)

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7. Permittee/Owner/Operator shall maintain a District approved log in a file containing all measurements, records, charts, and other data which are required of this conditional permit, as well as all other data and calculations necessary to determine compliance with the conditions of this permit. Permittee/Owner/ Operator shall ensure that this District approved log in the file includes, but is not limited to:
   a. The hours of operation of each permitted piece of equipment.
   b. Each monitor reading, recording, or analysis result for the day of operation they are taken.

   Permittee/Owner/Operator shall ensure that this material is kept available for District inspection for a period of at least 5 years following the date on which such measurements, records, or data are made or recorded. (basis: toxics, cumulative increase)

Condition # 7688
S1101 Subsurface Aeration System [at Tract 3 West Canal]
S1102 Subsurface Aeration System [at Tract 3 North Pond]
S1103 Subsurface Aeration System [at Clean Canal Forebay]
S1104 Subsurface Aeration System [at Oily Canal]
PERMIT CONDITIONS FOR SUBSURFACE AERATOR SYSTEMS AT S-1101, S-1102, S-1103, AND S-1104:

1. Permittee/Owner/Operator shall ensure that operation of this equipment is limited to the locations and aeration equipment specified unless Permittee/Owner/Operator has applied to, and received written approval from, the District for a change in permit conditions. (basis: cumulative increase)

Condition # 8003
S103 Vehicle Service Station

1. Permittee/Owner/Operator shall ensure that permanent access to the Hasstech Processor and vacuum pump is provided to the District staff for the purpose of inspection and/or testing. (basis: cumulative increase, toxics)

2. Permittee/Owner/Operator shall ensure that a remote Status Panel and tank correction gauge are installed and operated at S103 as per manufacturer's recommendations. (basis: cumulative increase, toxics)

3. Permittee/Owner/Operator shall ensure that S103 is operated such that system pressure during loading operations does not exceed 18 inches water column. (basis: cumulative increase, toxics)

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4. Permittee/Owner/Operator shall ensure that the pressure-vacuum valves are vapor tight whenever the tank pressure is 4 inches water column or below. (basis: cumulative increase, toxics)

5. Pursuant to BAAQMD Toxic Section policy, Permittee/Owner/Operator shall ensure that S103 annual throughput does not exceed 540,000 gallons in any consecutive 12 month period. (basis: toxics)

   In gallon units, Permittee/Owner/Operator shall maintain a District approved log in which Permittee/Owner/Operator shall record the throughput of each fuel and each hydrocarbon transferred at S103. Permittee/Owner/Operator shall ensure that the log is retained on site for at least 5 years from date of last entry, and that the log is made available to the District staff upon request. (basis: Regulation 2-1-403, toxics)

Condition # 8077

S57 Tank A-57
S323 Tank A-323
S848 FCCU Merox Unit
S850 No. 3 HDS Unit
S908 No. 3 Crude Heater (F8)
S909 No. 1 Feed Prep Heater (F9)
S912 No. 1 Feed Prep Heater (F12)
S913 No. 2 Feed Prep Heater (F13)
S916 No. 1 HDS Heater (F16)
S917 No. 1 HDS Prefract Reboiler (F17)
S919 No. 2 HDS Depent Reboiler (F19)
S920 No. 2 HDS Charge Heater (F20)
S921 No. 2 HDS Charge Heater (F21)
S928 HDN Reactor A Heater (F28)
S929 HDN Reactor B Heater (F29)
S930 HDN Reactor C Heater (F30)
S931 Hydrocracker Reactor 1 Heater (F31)
S932 Hydrocracker Reactor 2 Heater (F32)
S933 Hydrocracker Reactor 3 Heater (F33)
S934 Hydrocracker Stabilizer Reboiler (F34)
S935 Hydrocracker Splitter Reboiler (F35)
S937 Hydrogen Plant Heater (F37)
S938 HDN Prefractionator Heater (F38)
S951 No. 2 Reformer Aux Reheater (F51)
S952 Internal Combustion Engine
S953 Internal Combustion Engine
S954 Internal Combustion Engine
S971 No. 3 Reformer UOP Furnace (F53)
S972 No. 3 Reformer Dubutanizer Reboiler (F54)
S973 No. 3 HDS Recycle Gas Heater (F55)
S974 No. 3 HDS Fract Feed Heater (F56)
S991 FCCU Preheat Furnace H-57
S1009 Alkylation Unit
~~S1020 No. 3 UOP Reformer~~

PERMIT NO. 3318: REFINERY MODERNIZATION PROJECT PERMIT CONDITIONS
NEW PERMIT CONDITIONS FOR PERMIT NO. 3318
Permit Application 14047: Clarify conditions to allow owner/operator to shutdown ammonia injection to A-31 SCR during both startup and shutdown of S-974 (Part A2A).

A2A. For S-974, the total start-up or shutdown period during which S-974 may be operated without ammonia injection at A-31, No. 3 HDS Selective Catalytic Reduction Unit, shall not exceed 72 hours per start-up or shutdown. For S-974, the total combined start-up and shutdown time shall not exceed 144 hours during any rolling 12 consecutive month period. During the start up or shutdown period for S-974, NOx emissions from S-974 shall not exceed 146 pounds during any rolling 24

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consecutive hour period. During the start up or shutdown period for S-974, NOx emissions from S-973 and S-974 combined (when there is one combined emission point for S-973 and S-974) shall not exceed 146 pounds during any rolling 24 consecutive hour period. For S-974, sum total NOx emissions occurring during start up and shutdown shall not exceed 876 pounds during any rolling 12 consecutive month period. NOx emissions from S-973 and S-974 combined (when there is one combined emission point for S-973 and S-974) shall not exceed 876 pounds during any rolling 12 consecutive month period.
(basis: cumulative increase, offsets)

A2B. Permittee/Owner/Operator shall begin ammonia injection at A-31 as soon as the temperature of the exhaust at the inlet of A-31 reaches 530 degrees Fahrenheit. (basis: cumulative increase, offsets)

A8. Within 60 days of the installation of low NOx burners in Furnace S-908, Permittee/Owner/Operator shall conduct a District- approved source test for NOx and CO emissions on that furnace to determine compliance with Condition No. 6. After the installation of low NOx burners, NOx and CO source tests will be conducted annually on this furnace. (basis: cumulative increase, BACT)

A10. Permittee/Owner/Operator shall ensure that any new valves in volatile hydrocarbon service (i.e. handling material above 0.5 psia true vapor pressure) or ammonia service associated with this project shall be "low-emission" valves. For the purposes of this permit, "low-emission" valves are one of the following: 1) live loaded valves, 2) bellows valves, 3) diaphragm valves, or 4) other valve approved by the APCO, in writing. (basis: cumulative increase)

A11. Permittee/Owner/Operator shall provide the District with the exact number, by unit, of new valves, flanges, pumps, compressors, and relief valves in volatile hydrocarbon service (i.e. handling material above 0.5 psia vapor pressure) prior to the issuance of the permit to operate. (basis: cumulative increase)

A12. Any new pumps in volatile hydrocarbon service (i.e. handling material above 0.5 psia vapor pressure) or ammonia service associated with this project shall have double mechanical seals with a barrier fluid which either: 1) is at a higher pressure than the seal pressure, or 2) is vented to a closed system, or 3) shall install an equivalent sealing system approved by the APCO. (basis: cumulative increase, BACT, offsets)

A13. Permittee/Owner/Operator shall install at least one magnetically-driven pump or equivalent equipment approved by the APCO. (basis: cumulative increase, offsets, BACT)

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A14. Permittee/Owner/Operator shall implement an inspection and maintenance program for all pumps, compressors, valves, and flanges associated with this project in accordance with District Regulations 18, 25, and 28 with the following revisions:
   a. All accessible pumps, compressors, valves, and flanges shall be subject to quarterly inspection and maintenance criteria;
   b. The leak limitation shall be 1,000 ppm (expressed as methane) measured above background, 1 cm from the source;
   c. Within 7 days of detection, all leaks shall be repaired or minimized in accordance with the above referenced Regulations.

   (basis: Regulation 8-18, Regulation 8-25, Regulation 8-28)

A16. For the purposes of these permit conditions, all source testing and monitoring requirements will be subject to the following general provisions:
   a. At least two weeks prior to testing, Permittee/Owner/Operator shall contact the District's Source Test Section, in writing, to provide notification of the testing procedure, date and time, and to obtain details on source testing requirements. Source test procedures are subject to approval of the APCO.
   b. Prior to commencement of construction, Permittee/Owner/Operator shall submit plans and specifications for the Continuous Emission Monitor (CEM) to the District's Source Test Section and obtain approval.
   c. Prior to commencement of construction, Permittee/Owner/Operator shall submit plans showing the details of sampling facilities to the District's Source Test Section and obtain approval.

   (basis: MOP Volume IV)

A17. The mitigation measures in the Mitigation Monitoring Program for which the District is listed as the Responsible Entity are considered to be permit conditions for Permittee/Owner/Operator for the purposes of this Authority to Construct. These mitigation measures are specified in the Mitigated Negative Declaration adopted by the District on December 16, 1991. (basis: cumulative increase, offsets)

MODIFIED PERMIT CONDITIONS FROM PERMIT NO. 22769 (THE NO. 3 HDS PERMIT) ADOPTED HERE FOR THIS PERMIT NO. 3318:

B1. Definitions.
   a. "Permitted annual emissions" shall mean the allowable emissions for a calendar year authorized by these conditions.
   b. "Total annual emissions" shall mean the actual emissions which occur in any calendar year.
   c. "Total monthly emissions" shall mean the actual emissions which occur in any calendar month.
   d. "Calendar day" (CD) of "calendar day basis" shall mean an average value determined by dividing the yearly total by 365.

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e. "Stream day" (SD) or "stream day basis" shall mean the total value occurring on any one 24-hour day, from midnight to midnight, and is the actual daily rate.
f. "Calendar month" shall mean any month of the year measured from 12:01 A.M. on the first day of that month to midnight on the last day of that month.
g. "Calendar year" or "year" shall mean the year measured from 12:01 A.M., January 1 to midnight, December 31.
h. "permitted Monthly Maximum Emissions" shall mean the maximum allowable emissions for any calendar month authorized by these conditions.
i. "Permitted Monthly Compensatory Emissions" shall mean the allowable emissions in a calendar month before compensatory emission reductions are required.
j. "Startup" shall mean that period of time during which the piece of equipment in question is put into normal operation from an inactive status by following a prescribed series of separate steps or operations, not to exceed 8 hours. Permittee/Owner/Operator may develop and present specific alternate startup times for certain units. If approved by the APCO, these specific startup times will be used in place of the standard 8 hour time period for the given units.
k. "Shutdown" shall mean that period of time during which the piece of equipment in question is taken out of service from a normal operating mode to an inactive status following a prescribed series of separate steps of operations, not to exceed 8 hours. Permittee/Owner/Operator may develop and present specific alternate shutdown times for certain units. If approved by the APCO, these specific shutdown times will be used in place of the standard 8 hour time period for the given units.
l. "Light hydrocarbon service" shall mean the handling or service of liquid of gas-liquid streams with a true vapor pressure greater than 0.5 psia.

(basis: definitions)

B2. Emissions. The specific emission points covered by the various limitations listed in A-D below are set forth in Table A of the Appendix to these Conditions.

A. Listed below are the permitted annual emission limits for the emission points covered by this permit. If the permitted annual emission limit for any pollutant is exceeded, the applicable provisions of Section 3A shall apply.

Particulates	443	tons/year
Hydrocarbons	296	tons/year *
NOx	3182	tons/year **
SO2	4580	tons/year
CO	551	tons/year ***

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* To be reduced by 27.8 tons/yr as of July 1, 1991, in accordance with the requirements of Regulation 8, Rule 46 (Marine Lightering). To be reduced by 1.65 tons/yr upon startup of the No. 2 Hydrogen Plant.
** To be reduced by 58.2 tons/yr upon startup of the No. 2 Hydrogen Plant.
*** To be increased by 22 tons/yr upon startup of the No. 2 Hydrogen Plant.
(basis: cumulative increase)

B. Listed below are the permitted monthly maximum emission limits for the emission points covered by this permit. If the permitted monthly maximum emission limit for any pollutant is exceeded, the applicable provisions of Section 3B shall apply.

Particulates	46	tons/month
Hydrocarbons	77	tons/month
NOx	346	tons/month *
SO2	684	tons/month
CO	54.9	tons/month **

* To be reduced by 6.33 tons/mo upon startup of the No. 2 Hydrogen Plant.
** To be increased by 2.2 tons/yr upon startup of the No. 2 Hydrogen Plant.
(basis: cumulative increase)

C. Listed below are the permitted monthly compensatory emission limits applicable to the emission points covered by this permit. If the permitted monthly compensatory emission limit for any pollutant is exceeded, the applicable provisions of Section 3C shall apply.

Particulates	42	tons/month
CO	49.1	tons/month

(basis: cumulative increase, BACT, offsets)

D. If, at the end of any calendar month, the total emissions accumulated so far in that calendar year exceed the permitted annual emissions prorated to the number of months elapsed so far that year plus the amounts set forth below, the informational requirements of Section 3D shall apply.

Particulates	9	tons
Hydrocarbons	35	tons
NOx	69	tons
SO2	258	tons
CO	8.1	tons

(basis: cumulative increase, offsets)

E. The limits set forth in A & B above are legal limits which must not be exceeded. Accordingly, in the event that any such limit ever is exceeded, Permittee/Owner/Operator will be immediately subject to the applicable sanctions in Section 3 below.

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(basis: cumulative increase, offsets)

B3. Emission Reductions. The following conditions will apply as appropriate, when any of the various permitted emission limits set forth in Section 2 above are exceeded.

A. If any of the permitted annual emission limits of B2 are exceeded, the following conditions shall apply:

i. Permittee/Owner/Operator shall install and maintain on a permanent basis abatement equipment as specified in the Environmental Management Plan (or such other abatement measures approved by the Air Pollution Control Officer which will achieve equivalent emission reductions), to control emissions of the pollutant of concern so as to offset the excess at a ratio of 2:1 (i.e. for every ton per year by which the applicable limit is exceeded, the hardware to be installed or other measures to be taken shall achieve a permanent emission reduction of 2 tons per year). The limits in Condition 2A will be reduced accordingly;

ii. Permittee/Owner/Operator shall not process more than 108,000 barrels of crude oil per stream day or more than 97,000 barrels of crude oil per day averaged over any one calendar month until the emission reductions required under subsection A.i. are achieved; and

iii. the permitted annual emissions limit for the pollutant of concern shall be reduced by the amount by which said limit was exceeded on a prorated calendar monthly basis, until the emission reductions required under subsection A.i. above are achieved.

(basis: cumulative increase, offsets, bubble)

B. If any of the permitted monthly maximum emission limits of 2B are exceeded, the following conditions shall apply:

i. The excess shall be charged against the permitted annual limit in 2A above which is applicable to that pollutant by twice the amount by which the limit in 2B is exceeded; provided, however, that if such monthly excess occurs during December, then, to the extent that such excess cannot be charged as provided above without causing the annual limit to be exceeded, it will be charged once against the current calendar year and once against the following calendar year;

ii. Permittee/Owner/Operator shall either (a) install and maintain on a permanent basis abatement equipment or take measures which will achieve equivalent emission reductions as specified in the Environmental Management Plan to control emissions of the pollutant of concern so as to offset the excess at a ratio of 2:1 (i.e. for every ton per month by which the applicable limit is exceeded, the hardware to be installed or other measures to be taken shall achieve a permanent emission reduction of 2 tons per month); or (b) take such other abatement measures approved by

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the Air Pollution Control Officer which will prevent a recurrence of the type of incident which caused the excess; and

iii. Permittee/Owner/Operator shall not process more than 108,000 barrels of crude oil per stream day or more than 97,000 barrels of crude oil per day averaged over any one calendar month until the emission reductions or other measures required under subsection B.ii. above are achieved.

(basis: cumulative increase, offsets)

C. If any of the permitted monthly compensatory emission limits of 2C are exceeded, then the excess shall be charged against the permitted annual limit in 2A above which is applicable to that pollutant by twice the amount by which the limit in 2C is exceeded; provided, however, that if such monthly excess occurs during December, then, to the extent that such excess cannot be charged as provided above, it will be charged once against the current calendar year and once against the following calendar year. However, this provision shall only apply when the sanctions set forth in subsection B above are not triggered. (basis: cumulative increase, offsets)

D. If any of the limits of 2D are exceeded, Permittee/Owner/Operator shall submit to the District within 30 days of the end of that calendar month a revised Environmental Management Plan in accordance with Section 14 below, which shall indicate the steps to be taken to assure that the permitted annual emission limits in 2A will be met for that calendar year. (basis: cumulative increase, offsets)

E. Reductions of hydrocarbon may be used to offset increases NOx at a ratio of 1:1, provided that Permittee/Owner/Operator demonstrates to the satisfaction of the Air Pollution Control Officer that the increased NOx emissions will not cause or contribute to an excess of any ambient air quality standard for NO2 at the point of maximum ground level impact, as defined in Section 2-2-206 of the District's Rules and Regulations. (basis: cumulative increase, offsets)

F. In the event that Permittee/Owner/Operator installs abatement equipment to achieve 2:1 offsets on a permanent basis (or takes measures which will achieve equivalent permanent emission reductions) pursuant to subsection B.ii.(a) above, any such emission reductions will be credited towards emission reductions which may be required under subsection A.i. above for that same calendar year, provided the generation of offsets complies with applicable requirements of the SIP adopted version of Regulation 2, Rule 2. (basis: cumulative increase, offsets)

B4. Monitoring. The following monitoring instruments listed shall be installed, calibrated, maintained and operated by Permittee/Owner/Operator:

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A. An instrument to continuously monitor and record the H2S concentrations in fuel gas. being fed to the following new or modified units, which will be required to comply with the New Source Performance Standard for the burning of fuel gas (0.23 grams of H2S/dry standard m3 on a 3-hour average basis):
- No. 3 HDS Recycle Gas Heater, S-973
- No. 3 HDS Fractionator Feed Heater, S-974
- FCCU Preheat Furnace, S-991
- Nos. 51, 53, and 54 Furnaces (S-951, S-971~~1020~~, and S-972~~1021~~, respectively) (basis: NSPS)

B. An instrument to continuously monitor nitrogen oxide emissions and oxygen concentration in the flue gas from the following units:
- No. 3 HDS Recycle Gas Heater, S-973
- No. 3 HDS Fractionator Feed Heater, S-974
- FCCU Preheat Furnace, S-991
- No. 3 Crude Unit, No. 8 Furnace, S-908

(basis: cumulative increase, offsets)

C. An instrument to continuously or sequentially monitor stack oxygen concentrations on each of, and an instrument to monitor fuel usage by, the following units:
#3 Crude Unit - Furnace #8, S-908,
#1 Feed Prep. - Furnace #9, S-909,
#4 Gas Plant - Furnace #10, S-910,
#1 Feed Prep. - Furnace #12, S-912,
#2 Feed Prep. - Furnace #13, S-913,
#1 HDS - #16 Heater, S-916,
#1 HDS - #17 Prefractionator Reboiler, S-917,
#2 HDS - Depentanizer Reboiler - #19 Furnace, S-919,
#2 HDS - #20 Charge Heater, S-920,
#2 HDS - #21 Charge Heater, S-921,
HDN Reactor - #28 Furnace, S-928,
HDN Reactor - #29 Furnace, S-929,
HDN Reactor - #30 Furnace, S-930,
Hydrocracker - #31 Furnace, S-931,
Hydrocracker - #32 Furnace, S-932,
Hydrocracker - #33 Furnace, S-933,
Hydrocracker - #34 Furnace, S-934,
Hydrocracker - #35 Furnace, S-935,
Hydrogen Plant, Steam Reformer, #37 Furnace, S-937,
HDN Prefractionator, #38 Furnace, S-938
(basis: cumulative increase, offsets)

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To the extent that it is technologically feasible to do so, a All of the required stack oxygen concentration monitors shall be equipped with oxygen analyzer controlled by feedback systems set at oxygen levels which will yield the minimum amount of nitrogen oxides while still achieving complete combustion. If such feedback systems are not feasible for any of these units, Permittee/Owner/Operator shall substitute alternative controls to be approved by the Air Pollution Control Officer, which will achieve the levels of NOx control equivalent to those specified in 7C below.
(basis: cumulative increase, offsets)

D. All other instruments listed on Table D of the Appendix to these Conditions, which are not specifically referred to in A-C above.
(basis: cumulative increase, offsets)

B5. Reporting and Record Keeping. The following conditions will document Permittee's/Owner's/Operator's emissions on a monthly basis, in addition to satisfying the requirements of Regulation 10- 1-402 of District regulations. These reporting requirements do not eliminate the need to comply with any other District reporting and record keeping requirements.

A. Permittee/Owner/Operator shall maintain a file containing all measurements, records, charts and other data which are required to be collected pursuant to the various provisions of this conditional permit, as well as all other data and calculations necessary to determine actual emissions from all emission points covered by this permit. This file, which may include, but not be limited to: the data collected from all in-stack monitoring instruments, the records on fuel input rates and relevant records of crude oil and other hydrocarbons processed. Estimates of emissions from all units covered by this permit which are included under the limits set forth in Section 2 above shall be calculated in accordance with Tables B & C of the Appendix to these Conditions. This material shall be kept available for District inspection for a period of at least 5 years following the date on which such measurements, records or data are made or recorded. (basis: cumulative increase, offsets)

B. Permittee/Owner/Operator shall make a monthly report to the District, within 30 days after the end of each month, which shall specify the emissions from all operations covered by this permit during the previous month, and shall state in detail the basis therefor. The reporting format for such reports shall be structured so as to enable the Air Pollution Control Officer to readily determine compliance with the provisions of this Conditional Permit, and shall be subject to the approval of the APCO. Any computer programs utilized by Permittee/Owner/Operator to calculate emissions from any operations covered by this permit shall also be subject to the approval of the APCO. (basis: cumulative increase, offsets)

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C. Permittee/Owner/Operator shall conduct monthly audits of all emission and fuel rate monitoring systems required under Section 4 above to insure that instrument accuracy is maintained. Permittee/Owner/Operator shall promptly repair all malfunctioning systems and replace any system that has a chronic problem. A record of the results of all such audits shall be maintained as part of the file required under A. above. (basis: cumulative increase, offsets)

B6. Process Unit Design.

A. The design feed rate to the Ammonia Recovery Plant shall be at least 75 tons/day. (basis: cumulative increase)

B. The following process unit design rates reflect the design and specifications outlined in the Permit application and were used to calculate allowable emissions from the modified Refinery:

UNIT	DESIGN PROCESS RATE
#3 HDS Unit, S-850	70,000 barrels/stream day
Merox Unit, S-848	55,000 barrels/stream day

(basis: cumulative increase, offsets)

These units shall be designed and build in accordance with the above specifications, and total annual emissions caused by these units shall not exceed the amount that would be produced if the unit were operated at no more than the above design process rates. (basis: cumulative increase, offsets)

B. The No. 3 HDS Unit (S-850) shall not process more than 70,000 barrels per stream day. (basis: cumulative increase, offsets)

The FCCU Merox Unit (S-848) shall not process more than 55,000 barrels per stream day. (basis: cumulative increase, offsets)

B7. Combustion Controls.

A. Except during start-ups and shutdowns, the nitrogen oxides in the flue gases from the first three units listed in 4B above (S-973, 974, and 991) shall not exceed 40 ppm as NO2 corrected to 3% oxygen averaged over any 8-hour period. (basis: cumulative increase, offsets, BACT)

B. The sum of the maximum firing rates of the first three units listed in 4B above (S-973, 974, and 991) shall not exceed 159 x 106 BTU/hr. (basis: cumulative increase, offsets)

C. For the furnaces listed in 4C above, Permittee/Owner/Operator shall demonstrate by source tests and calculations that, in the aggregate, NOx emissions do not exceed 160 lb. NOx per billion BTUs heat input when firing refinery fuel gas at, or as nearly as practicable to the maximum daily firing rates which occurred during the previous 6 months. Such demonstration shall be made at least 90 days prior to startup of the No. 3 HDS Unit and annually thereafter. If aggregate emissions from these units exceed 160 lb. NOx per billion BTU heat input, Permittee/Owner/Operator will install additional

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controls on other units at the Avon Refinery so as to achieve the same amount of control that would be obtained if all of the units listed in 4C did achieve, in the aggregate, an emission rate of 160 lb. NOx/billion BTU heat input. (basis: cumulative increase, offsets)

D. For the furnaces deleted from 4C above, namely sources 908, 917, 919, 934, 935, and 937, Permittee/Owner/Operator shall demonstrate by source test that NOx emissions do not exceed 60 ppmvd, at 3% oxygen, averaged over 8 hours, respectively, when firing refinery fuel gas at, or as nearly as practicable to the maximum daily firing rates which occurred during the previous 6 months. Such demonstration shall be made annually. (basis: cumulative increase, offsets)

B8. Hydrocarbon Controls.

A. All new compressor seals in hydrocarbon service associated with this project shall be vented to a closed gas system, except for two high purity hydrogen make-up compressors at the new No. 3 HDS Unit. The vapors from the seals on the three (3) existing compressors S-952, S-953, and S-954 shall be collected and vented directly to the compressor inlets, or a closed gas system. (basis: cumulative increase, offsets, BACT)

B. All new pumps in light hydrocarbon service associated with this project shall be equipped with double mechanical seals, or Permittee/Owner/Operator shall retrofit other existing pumps with double mechanical seals so as to achieve the same amount of emission reductions that would be obtained by installing such seals on all of the new pumps referenced above. (basis: cumulative increase, offsets, BACT)

C. Hydrocarbon vapors associated with the two new 80,000-bbl cone roof tanks, S-1022 and S-1023 and two (2) existing tanks S-57 and S-323 shall be controlled by venting to the vapor recovery system, and tanks S- 57 and S-323 may only store or contain materials which have a vapor pressure of 1.5 psia or less. This condition is in place to assure that offsets provided as part of Application No. 27769 are permanent. (basis: cumulative increase, offsets, BACT)

D. In the event that No. 4 Gas Plant modifications are not constructed, Permittee/Owner/Operator shall retrofit eight (8) pumps in light hydrocarbon service with double mechanical seals or equivalent. In the event that the hydrogen recovery unit is not completed, Permittee/Owner/Operator shall receive a credit of three (3) lb per calendar day against the total fugitive hydrocarbon emissions as listed in Table E of the Appendix to this Conditional Permit.
(basis: cumulative increase, offsets)

B9. Sulfur Recovery Facilities.

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A. The Clause unit at the sulfur Recovery facility shall be in final compliance with the substantive requirements of Section 9-1-305.4 of the District's Rules and Regulations, which will require such unit to achieve a sulfur removal efficiency that will result in emission of no more than 4 pounds of SO2 per ton of sulfur processed. B. In emergency situations where the entire sulfur removal capability of the sulfur recovery facility is not operating, the refinery shall take immediate actions to assure that total SO2 emissions from both the refinery and the sulfur recovery facility will not exceed 29 tons/stream day. These actions shall include, not need not be limited to, the following:

i. Condense and store foul water stripper overhead.
ii. Discontinue burning of coke at No. 6 Boiler.
iii. Reduce Hydrocracker-HDN feed rate to 12,000 bbl/stream day.
iv. Discontinue burning of fuel oil, except as required to maintain combustion stability and operating safety of the No. 5 and No. 6 Boilers.
v. Reduce feed rate to the Coker and to the FCCU, and use all available de-sulfurized feed-stock as FCCU feed.
vi. Shut off feed to No. 1, No. 2, and No. 3 HDS Units and "hot sweep" the reactors.
vii. If any emission monitor for SO2 is not operating properly, conduct a daily source test for the source in question. Such source tests shall consist of three continuous 30 minute measurements, taken at least 30 minutes apart, of the SO2 concentration and stack gas flow rates. The average of these three measurements shall be used as the basis for establishing SO2 emissions for purposes of calculation.
viii. Calculate the emissions of SO2 from all flares at the refinery, and report same to the District as part of the next monthly report required under 5B above.
ix. Report this event to the BAAQMD by telephone as soon as possible with due regard to safety, and submit a written follow-up, detailing the specific measures taken by Permittee/Owner/Operator to control SO2 emissions during the event, as part of the next monthly report required under 5B above.

Measures other than those referred to in i.-vi. above, may be substituted for any of said measures, if Permittee/Owner/Operator can satisfy the Air Pollution Control Officer that total sulfur dioxide emissions from both the refinery and the sulfur recovery facilities will not exceed 29 tons/stream day. (basis: cumulative increase, offsets)

C. When the Sulfur Plant is shutdown and Acid Plant is operating, the refinery will immediately take the following actions to insure the H2S going to the sulfur recovery facility is within the capacity of the Acid Plant under then-

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current operating conditions, and will not result in the emissions or more than 23 tons/stream of SO2 from both the refinery and the sulfur recovery facility.

i. Condense and store sufficient foul water stripper overhead, and/or
ii. Reduce feed rate to the Hydrocracker-HDN, and/or
iii. Reduce feed rate to the Coker, and/or
iv. Reduce feed rate to the No. 1 HDS Unit, and/or
v. Reduce feed rate to the No. 2 HDS Unit, and/or
vi. Reduce feed rate to the No. 3 HDS Unit.
vii. Calculate the emissions of SO2 from all flares at the refinery, and report same to the District as part of the next monthly report required under 5B above.
viii. Report this event to the BAAQMD by telephone, within one (1) working day, and submit a written follow-up, detailing the measures taken to control SO2 emissions during the event, as part of the next monthly report required under 5B above.

Measures other than those referred to in i.- vi. above may be substituted for any of said measures, if Permittee/Owner/Operator can satisfy the Air Pollution Control Officer that total sulfur dioxide emissions from both the refinery and the sulfur recovery facilities will not exceed 23 tons/stream day. (basis: cumulative increase, offsets)

B10. Access.

A. The APCO or his representatives and the U. S. Environmental Protection Agency shall have access to appropriate portions of the refinery and wharf, to conduct source tests or inspections in accordance with Section 1-440 of the District's Rules and Regulations, and the provisions of the Clean Air Act.
B. The APCO or his representatives and the U. S. Environmental Protection Agency shall have the right to inspect and audit all records which are required to be maintained by Section 5 above, and any other records in Permittee's/Owner's/Operator's possession which will disclose the nature of quantity of emissions from refinery and marine operations.

(basis: cumulative increase, offsets)

B11. Enforcement.

Violation by Permittee/Owner/Operator of any of the conditions set forth in this Conditional Permit shall subject Permittee/Owner/Operator to enforcement action under Chapter 4 of Part 4 of Division 26 of the California Health and Safety Code, and to enforcement action by the U. S. Environmental Protection Agency pursuant to the Clean Air Act (42 U.S.C. 7401, et seq.). As appropriate, each and every such violation shall be deemed to be a discrete and separate violation with respect to which the District will be entitled to take legal action. (basis: cumulative increase, offsets)

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B12. Miscellaneous.

A. No. 1 Isomerization Unit shall be dismantled within ninety (90) days after start-up of the No. 3 HDS Unit.

B. Tanks A-142 and A-319 shall be dismantled within ninety (90) days prior to start-up of the NO. 3 HDS Unit.

C. All equipment, facilities, and systems installed or used pursuant to, or to achieve compliance with the terms and conditions of, this Conditional Permit shall at all times be maintained in good working order and be operated with due regard for the goal of complying with the terms and conditions of this permit and with all applicable District regulations.

D. Nothing in these conditions shall be construed to allow the violation of any law or of any rule or regulation of the Bay Area Air Quality Management District, the State of California or the United States Environmental Protection Agency.

E. Any emission reductions which Permittee/Owner/Operator may be required to undertake in accordance with Section 3 above shall not be eligible to be credited as emission reductions against any subsequent projects for purposes of calculating "cumulative increases", nor shall they be eligible to be "banked" in accordance with the District's New Source Review Rule. However, any emission reductions which Permittee/Owner/Operator achieves in accordance with the Rules and Regulations of the District, above and beyond those reductions required pursuant to this Conditional Permit, may be so credited or "banked".

F. In the event of changes in District regulations which will require actual reductions in the amount of emissions from existing sources which would otherwise be allowed under the terms of this Conditional Permit, the annual limits set forth in Section 2 above shall be reduced by the APCO by an amount equivalent to what would be required under any such rule change.

G. The baseline emissions for purposes of the permit analysis of any proposed new or modified units, which may in the future be proposed to be built by Permittee/Owner/Operator within the boundaries of the Avon Refinery, will be the limits set forth in Section 2A above, as may be amended to reflect subsequent revisions to District rules pursuant to Section 12F or subsequent deposits to or withdrawals from the District's emissions bank, rather than actual emissions after the baseline period of 1977-1979 (which was used as the basis for issuance of this permit), if doing so is allowed pursuant to the SIP adopted version Section 604.2 of Regulation 2, Rule 2.

H. In the course of constructing the project covered by this Conditional Permit, Permittee/Owner/Operator shall install no more valves, pumps, flanges, process drains and compressors for this project than are listed in Table E of the Appendix to this Permit, unless the emissions associated therewith are accompanied by intra-source emission reductions on a 1:1 basis. Permittee/Owner/Operator shall provide written confirmation of compliance

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with this condition within 90 days after the start-up of the new No. 3 HDS Unit.

I. Permittee/Owner/Operator shall apply for a permit when any tanks presently out of service or presently in exempt service are proposed to be placed in nonexempt service. The emissions from any such tanks shall be calculated and, if applicable, shall be subject to the requirements of G. above.

J. Instrument downtime (including, but not limited to, in-stack monitors and other instruments whose readings are used to calculate emissions) caused by malfunction, upset, breakdown, repair, maintenance or failure where such instrument downtime exceeds a continuous 24-hour period shall be handled as follows for purposes of calculating emissions: Emissions shall be determined by reference to the recorded value for that instrument from the last calendar day (or other relevant period) immediately preceding the day on which the instrument in question became inoperable, for which there was a valid reading, unless the Air Pollution Control Officer determines on the basis of other evidence (such as, but not limited to, the results of source tests conducted during the period in which the instrument is not operating, or changes in operating conditions of the unit in question) that some other value more reasonably reflects the actual emissions during the period in question.

K. Emissions in excess of applicable emission limitations resulting from breakdowns, malfunctions or other causes for which a variance, an interim variance, or an emergency variance is granted by the Hearing Board, or for which the Air Pollution Control Officer grants relief in accordance with Section 1- 112 of the District's Rules and Regulations, may be excluded by the Hearing Board or Air Pollution Control Officer, as appropriate, from those emission totals which are counted towards compliance with the limits set forth in Section 2 above; provided, however, that this provision shall not excuse Permittee/Owner/Operator from the obligation to report to the District pursuant to 5B above the actual emissions from the emission points covered by this permit during the period covered by any such relief. This part (part K) of this condition is not federally enforceable.

L. If Permittee/Owner/Operator can demonstrate by modelling to the satisfaction of the Air Pollution Control Officer, consistent with the requirements of the SIP adopted version of Regulation 2, Rule 2 and applicable provisions of the federal Code of Regulations, that increased emissions of carbon monoxide from all emission points covered by this permit will not interfere with the attainment or maintenance of all applicable air quality standards for CO within the District, then the various limits for carbon monoxide set forth in Section 2 of this permit shall be adjusted accordingly.

(basis: cumulative increase, offsets)

B13. Severability. The provisions of this Conditional Permit are intended to be severable, and, if any individual condition or provision hereof is held to be invalid by order of any court of competent jurisdiction, or for any other reason, the

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remainder of this Conditional Permit shall not be affected thereby. (basis: cumulative increase, offsets)

B14. Environmental Management Plan. Sixty days prior to start-up of the No. 2 Hydrogen Plant (S-994) HDS Unit, an initial Environmental Management Plan (EMP) shall be submitted to the District for review by the Air Pollution Control Officer. (basis: cumulative increase, offsets)

This plan shall specify how Permittee/Owner/Operator will assure that the permitted annual and monthly maximum emission limits set forth in Sections 2A and 2B above will not be exceeded, and also shall describe feasible options for providing emissions reductions which would be required under Section 3 above, if any of the emissions limits of Sections 2A and 2B were exceeded. The options to be described shall include the installation of various types of abatement equipment which would achieve permanent offsets, and the adoption by Permittee/Owner/Operator of various operational limitations and other short-term control measures which would limit emissions. Both long-term and short-term control options shall be discussed. The purpose of this plan is to provide assurance that Permittee/Owner/Operator is capable of taking all reasonable steps to assure that the various limits established by this Conditional Permit will be complied with, and to expedite any installation of abatement equipment if it is ever required.

The EMP shall be updated and resubmitted to the District for review by the APCO, whenever any of the limits set forth in Section 2D above are exceeded, or within 1 year after the most recent EMP submittal, whichever comes first. However, in the even that EMP submittal is triggered by an excess of any of the limits of Section 2D, that resubmittal shall also describe in detail the means by which Permittee/Owner/Operator will assure that the permitted annual emissions limit of Section 2A will not be exceeded for that calendar year, and shall describe in detail specific control techniques available, and the sources to which they would be most applicable, in the event that permanent offsets were needed.

To the extent that any EMP submittal contains confidential information, such information shall be afforded the protection provided by applicable laws, rules and regulations.

Once the APCO has reviewed an EMP submittal, the District staff's comments and recommendations on it shall be forwarded to Permittee/Owner/Operator as expeditiously as practicable. Within 30 days after its receipt of such comments and recommendations, Permittee/Owner/Operator shall either (1) revise the EMP to reflect such comments and recommendations; or (2) attach as an Appendix to the EMP all comments and recommendations which Permittee/Owner/Operator did not include in its EMP revision together with a detailed explanation as to why each comment and recommendation was not adopted or included in the EMP itself.
(basis: cumulative increase, offsets)

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CHANGES TO PERMIT NO. 548 (THE HYDROCRACKER EXPANSION PROJECT):

C1. The HDN/Hydrocracker (S1007, S1008) feed rate shall not exceed 35,000 barrels per calendar day, or 37,000 barrels per stream day. Permittee/Owner/Operator may submit a permit application to change or remove this condition. (basis: cumulative increase, offsets)

C2. In a District approved log, Permittee/Owner/Operator shall record the throughput of petroleum/VOC feed material to S-1007 in units of barrels per stream day.

Condition # 8350
S1002 No. 1 HDS Unit
S1003 No. 2 HDS Unit
S1006 No. 1 HDA Unit

APPLICATION #6468, AMENDED BY APPLICATION 14325
DIESEL FUEL MODIFICATION PROJECT PERMIT CONDITION 8350
PERMIT CONDITIONS FOR S-1002, NO. 1 HDS UNIT:

A1. Permittee/Owner/Operator shall ensure that the No. 1 HDS Unit (S-1002) does not process more than 28~~5~~,000 barrels of naphtha per day, based on a rolling 365-day average and that not more than 10,220~~9,125~~,000 barrels of feed is processed at S-1002 during each 12 consecutive month period. (basis: cumulative increase)

A2. Total fugitive POC emissions from all new and modified equipment associated with S-1002, No. 1 HDS Unit, shall not exceed 5.04 lb/day, based on a 365 day average emission rate, as calculated in accordance with District procedures. The owner/operator of S-1002, Permittee/Owner/Operator, shall submit a final process flow diagram and a revised pump, compressor, valve, and flange count within 15 days of the start up of S-1002 in order to confirm compliance with this permit condition. If fugitive emissions from this source exceed 5.04 lb/day, then the District may recalculate the cumulative emissions increase attributed to this permit application, and adjust accordingly the refinery emissions cap limits specified in Condition No. 4357-2, before the issuance of the permit to operate.
(basis: cumulative increase)

A3. All new hydrocarbon vapor pressure relief valves associated with this project shall be vented to the refinery flare gas recovery system. (basis: cumulative increase, BACT)

A4. Permittee/Owner/Operator shall maintain a District-approved file containing all measurements, and other data required to demonstrate compliance with the above

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conditions. This file shall include, but is not limited to, the daily throughput of naphtha processed by S-1002 summarized on a monthly basis. This material shall be kept available for District inspection for a period of at least 5 years following the date on which such measurements, records or data are made or recorded. (basis:cumulative increase)

PERMIT CONDITIONS FOR S-1003, NO. 2 HDS UNIT:

B1. Permittee/Owner/Operator shall ensure that the No. 2 HDS Unit (S-1003) does not process more than 40,000 barrels of diesel per day, based on a rolling 365-day average and that not more than 14,600,000 barrels of feed is processed at S-1003 during each 12 consecutive month period. (basis: cumulative increase)

B2. Total fugitive POC emissions from all new and modified equipment associated with S-1003, No. 2 HDS Unit, shall not exceed 4.04 lb/day, based on a 365 day average emission rate, as calculated in accordance with District procedures. The owner/operator of S-1003, Permittee/Owner/Operator , shall submit a final process flow diagram and a revised pump, compressor, valve, and flange count within 15 days of the start up of S-1003 in order to confirm compliance with this permit condition. If fugitive emissions from this source exceed 4.04 lb/day, then the District may recalculate the cumulative emissions increase attributed to this permit application, and adjust accordingly the refinery emissions cap limits specified in Condition No. 4357-2 before the issuance of the permit to operate.
(basis: cumulative increase)

B3. All new hydrocarbon vapor pressure relief valves associated with this project shall be vented to the refinery flare gas recovery system.
(basis: cumulative increase, BACT)

B4. Permittee/Owner/Operator shall maintain a District-approved file containing all measurements and other data required to demonstrate compliance with the above conditions. This file shall include, but is not limited to, the daily throughput of diesel processed by S-1003, summarized on a monthly basis. This material shall be kept available for District inspection for a period of at least 5 years following the date on which such measurements, records or data are made or recorded. (basis: cumulative increase)

PERMIT CONDITIONS FOR S-1006,
NO. 1 REFORMER UNIT TO BE CONVERTED TO NO. 1 HDA UNIT:

C1. Permittee/Owner/Operator shall ensure that the No. 1 HDA Unit (S-1006) throughput rate does not exceed 20,000 barrels per day, based on a rolling 365- day

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average and that not more than 7,300,000 barrels of feed is processed at S-1006 during each 12 consecutive month period.. (basis: cumulative increase)

C2. There will be no new additional fugitive POC sources associated with the conversion of S-1006 from the No. 1 Reformer Unit to the No. HDA Unit. The owner/operator of S-1006, Permittee/Owner/Operator, shall submit a final process flow diagram and a revised pump, compressor, valve, and flange count within 15 days of the start up of S-1006 in order to confirm compliance with this permit condition. If there are new additional fugitive POC sources, then the District shall recalculate the cumulative emissions increase attributed to this permit application, and adjust accordingly the refinery emissions cap limits specified in Condition ID 4357, part 2, before the issuance of the permit to operate.
(basis: cumulative increase)

C3. Permittee/Owner/Operator shall ensure that all new hydrocarbon vapor pressure relief valves associated with this project shall be vented to the refinery flare gas recovery system.
(basis: cumulative increase, BACT)

C4. Permittee/Owner/Operator shall maintain a District-approved file containing all measurements and other data required to demonstrate compliance with the above conditions. This file shall include, but is not limited to, the No. 1 HDA Unit (S-9006) throughput rate, summarized on a monthly basis. This material shall be kept available for District inspection for a period of at least 5 years following the date on which such measurements, records or data are made or recorded.
(basis: cumulative increase)

Condition # 8516
313 Tank A-313
315 Tank A-315

PERMIT CONDITIONS FOR S-313 AND S-315, INTERNAL FLOATING ROOF STORAGE TANKS:

1. The floating roofs and primary and secondary seals installed on storage tanks S-313 and S-315 must meet the design specifications and seal gap requirements of strict Regulation 8, Rule 5 for an internal floating roof tank with riveted shell and metallic shoe primary seal and secondary wiper seal. (basis: cumulative increase, Regulation 8-5)

2. To verify compliance with Condition #1 above, the owner/operator of S-313 and S-315 shall submit to the District within 30 days of installation or replacement of any primary or secondary seals, a written report of the seal condition including certification of actual gap measurements between the tank shell and seal surface.

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For each seal, the time interval between such certifications shall not exceed 10 years. (basis: cumulative increase, Regulation 8-5)

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Condition # 8517
S641 Tank A-641
S707 Tank 113-A-707
PERMIT CONDITIONS FOR S-641 AND S-707, EXTERNAL FLOATING ROOF STORAGE TANKS:

1. Permittee/Owner/Operator shall ensure that the floating roofs and primary and secondary seals installed on storage tanks S-641 and S-707 meet the design specifications and seal gap requirements of District Regulation 8, Rule 5 for an external floating roof tank with welded shell and metallic shoe primary seal and secondary wiper seal. (basis: Regulation 8-5)

2. To verify compliance with Condition #1 above, the Permittee/Owner/Operator of S-641 and S-701 shall submit to the District within 30 days of installation or replacement of any primary or secondary seals, a written report of the seal condition including certification of actual gap measurements between the tank shell and seal surface. For secondary seals, Permittee/Owner/Operator shall ensure that this certification is submitted to the District on an annual basis. Permittee/Owner/Operator shall ensure that the time interval between such certifications does not exceed 15 months. For primary seals, Permittee/Owner/Operator shall ensure that the certification is submitted to the District at least once every 5 years. (basis: Regulation 8-5)

Condition # 8535
S-1404 Sulfur Storage Tank A-756
CONDITIONS FOR S-1404 AND A-1422, PLANT # 13

1. The particulate emissions from the outlet of scrubber A-1422 shall not exceed 0.01 g/dscf. (basis: cumulative increase)

2. Sulfur storage tank, S-1404 shall not operate unless it is abated by scrubber A-1422 properly operating as designed, as needed to prevent visible emissions. (basis: cumulative increase, Regulation 6-301)

3. The owner/operator of scrubber A-1422 shall install and maintain a pressure drop monitor, and maintain a pressure drop of at least 9 inches water gauge across the scrubber. (basis: cumulative increase)

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Condition # 8538
S714 Tank A-714
CONDITIONS FOR TANK S-714 AND CAUSTIC SCRUBBER A-714:

1. Spent acid storage tank S-714 shall not operate unless it is abated by caustic scrubber A-714 and refinery vapor recovery system A-14, all operating properly as designed. (basis: cumulative increase)

2. Permittee/Owner/Operator shall implement an Inspection and Maintenance program for fugitive POC emissions from all new pumps, compressors, valves and flanges associated with this project in accordance with District Regulation 8, Rules 18, 25, and 28 with the following revisions:
   a. All accessible pumps, compressors, valves, and flanges shall be subject to quarterly inspection and maintenance criteria;
   b. The leak limitation for pumps and compressors shall be 500 ppm (expressed as methane) measured above background, 1 cm from the source; the leak limitation for valves and flanges shall be 100 ppm (expressed as methane) measured above background, 1 cm from the source;
   c. Within 7 days of detection, all leaks shall be repaired or minimized in accordance with the above referenced Regulations.

   Any future revisions to and/or future requirements of Regulation 8, Rules 18, 25, or 28 shall supersede the above listed requirements only if the new Rule requirement is more stringent than the above criteria.
   (basis: Regulation 8-18, Regulation 8-25, Regulation 8-28)
3. All new hydrocarbon vapor pressure relief valves associated with this project shall be vented to the refinery flare gas recovery system. (basis: Regulation 8-28)

Condition # 8548

S529 Tank A-529
S530 Tank A-530
S655 Tank A-655
S657 Tank A-657
S815 No. 1 Feed Prep Unit
S816 No. 2 Feed Prep Unit
S817 No. 3 Crude Unit

Permit Conditions For Vapor Recovery System At Foul Water Stripper Charge System A-12:

1. Volatile organic compound emissions from sources S-815, S-816, S-817, S-529, S-530, S-655, and S-657 shall be abated at all times by the vapor recovery system at the foul water stripper charge system A-12 operating in conjunction with the No. 5

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Gas Plant and the refinery flare gas recovery system, with an overall abatement efficiency of at least 95%. (basis: Reg. 1-301, toxics)

2. Permittee/Owner/Operator shall implement an Inspection and Maintenance program for fugitive POC emissions from all new pumps, compressors, valves and flanges associated with this project in accordance with District Regulation 8, Rules 18, 25, and 28 with the following revisions:
   a. All accessible pumps, compressors, valves, and flanges shall be subject to quarterly inspection and maintenance criteria;
   b. The leak limitation for pumps and compressors shall be 1,000 ppm (expressed as methane) measured above background, 1 cm from the source; the leak limitation for valves and flanges shall be 500 ppm (expressed as methane) measured above background, 1 cm from the source;
   c. Within 7 days of detection, all leaks shall be repaired or minimized in accordance with the above referenced Regulations.

   (basis: cumulative increase, offsets, Regulation 8-18, Regulation 8-25, Regulation 8-28)

   Any future revisions to and/or future requirements of Regulation 8, Rules 18, 25, or 28 shall supersede the above listed requirements only if the new Rule requirement is more stringent than the above criteria.

3. All new hydrocarbon vapor pressure relief valves associated with this project shall be vented to the refinery flare gas recovery system. (basis: BACT)

Condition # 8636

PERMIT CONDITIONS FOR S-33, S-134, S-135, S-638, S-640, S- 692, S-709, S-710, S-711, S-706, AND S-708, EXTERNAL FLOATING ROOF STORAGE TANKS:

1. The floating roofs and primary and secondary seals installed on storage tanks S-33, S-134, S-135, S-640, S-692, S-709, S-710, S-711, S-706, and S-708 must meet the design specifications and seal gap requirements of District Regulation 8, Rule 5 for an external floating roof tank with welded shell and metallic shoe primary seal and secondary wiper seal. (basis: Regulation 8-5, cumulative increase)

2. To verify compliance with Condition #1 above, the owner/operator of S-33, S-134, S-135, S-640, S-692, S- 709, S-710, S-711, S-706, and S-708 shall submit to the District within 30 days of installation or replacement of any primary or secondary seals, a written report of the seal condition including certification of actual gap measurements between the tank shell and seal surface. For secondary seals, this certification shall be submitted to the District on an annual basis. The time interval between such certifications shall not exceed 15 months. For primary seals, the certification shall be submitted at least once every 5 years. (basis: Regulation 8-5, cumulative increase)

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Condition # 9875
Application 13240 (January, 2006): Correct grandfathered throughput limit in the Title V permit. Make limit a hard limit and update the number of fugitive components.

S1452 Hydrocarbon Recovery System, which includes 47 oil/water wells, and associated pumps (39 Light Hydrocarbon Pumps and 8 Heay Hydrocarbon Pumps (exempt), valves and flanges.

1. The owner/Operator shall implement an inspection and maintenance program for all pumps, valves and flanges in this project accordance with District Regulation 8-18.
   a. All pumps, valves and flanges shall be subject to quarterly inspection and maintenance criteria
   b. The leak limitation shall be 100 ppm (express as methane) for flanges, 100 ppm (expressed as methane) for process valves, and 500 ppm (expressed as methane) for pump seals, measured above background at 1 cm from the source.
   c. With in 7 days of detection, all leaks shall be repaired or minimized in accordance with the above referenced Regulations. Any future revision to and/or future requirement of Regulation 8, Rules 18 shall supersede the above listed requirements only if the new Rule requirement is more stringent than the above criteria.

   (basis: cumulative increase, offsets, Regulation 8-18)
2. All new above ground pumps installed or replaced at S-1452 shall be, as a minimum, sealless diaphragm type. (basis: cumulative increase, offsets, BACT)
3. All new valves in light liquid hydrocarbon service installed or replaced at S-1452 shall be, as a minimum, either bellows or diaphragm type. (basis: cumulative increase, offsets, BACT)

4. All new valves in heavy liquid hydrocarbon service installed or replaced at S-1452 shall be, as a minimum, either graphite packing, live loaded, or quarter turn type. (basis: cumulative increase, offsets, BACT)

5. Owner/Operator shall apply for a modification to the permit if there is an increase in pumps, valves, and flanges. The Owner/Operator shall provide to the District any required offsets, at the offset ratio triggered at the time of issuance of the modification, for any adjusted cumulative which results in an increase in emissions. (basis: cumulative increase, offsets)

6. The owner/operator shall not exceed a throughput of oil/water at S-1452 Hydrocarbon Recovery System of 5,000,000 bbl/yr.
   (basis: cumulative increase, offsets)

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Condition # 10525
Superceeded by Condition #19762
S775 Tank A-849

APPLICATION #14580
MTBE, ETBE AND TAME TRANSPORT & STORAGE PROJECT
PERMIT CONDITION 10525

6. Total combined POC emissions from the marine transport and transfer of MTBE, ETBE and TAME, including emissions from ship ballasting, vessel unloading, ship and tug boat engines, and storage tank S-775, shall not exceed 87.5 lb/day, based on a 365 day average emission rate, as calculated in accordance with condition 8 below. (basis: cumulative increase, offsets, toxics)

7. Permittee/Owner/Operator shall maintain daily records in a District-approved log of all MTBE, ETBE and TAME deliveries, including: (1) the total number of MTBE, ETBE and TAME deliveries by ship and barge, (2) for each vessel, its size (DWEIGHT) and cargo capacity (Mbl), (3) the hours of ship and tug operation in District waters attributable to this project only, listed by hours of transit, hoteling, and unloading, (4) the ship and tug boat fuel usage in District waters attributable to this project only, listed by transit, hoteling, and unloading operations, (5) the type of fuel burned by each vessel, (6) volume of ballast operations for each ship, and (7) the throughput of MTBE, ETBE and TAME transferred at the Permittee/Owner/Operator wharf from the cargo carrier to the Permittee/Owner/Operator refinery facilities.
(basis: cumulative increase, offsets)

The total emissions, in lb/day, of NOx, CO, NMHC (POC), PM10 and SO2, from marine transport (combustion emissions) and wharf unloading/loading shall be calculated in accordance with District procedures, summarized on a monthly basis, and reported under Condition ID 4357, part 5. These emissions totals shall Be included as part of Permittee's/Owner's/Operator's permitted annual emission limits specified in Condition ID 4357, part 2. (Note that fugitive emissions from storage tanks S-772 and S-775 are not reported under Condition ID 4357, part 5 or included in Condition ID 4357, part 2.)
(basis: cumulative increase, offsets)

8. All new hydrocarbon vapor pressure relief valves associated with this project shall be vented to the refinery flare gas recovery system. (basis: Regulation 8-28, BACT)

9. [A/C condition requiring fugitive component count. Deleted on S/U]

10. [A/C condition deleted on marine activity S/U]

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Condition # 10526
S782 METHANOL FEED STORAGE TANK
S1100 MTBE Plant

APPLICATION #6867
MTBE PLANT
PERMIT CONDITION 10526

PERMIT CONDITIONS FOR S-1100 MTBE PLANT AND S-782 METHANOL FEED STORAGE TANK:

A1. Permittee/Owner/Operator shall ensure that the MTBE Plant (S-1100) does not process more than 3,000 barrels of methyl tertiary butyl ether per day, based on a rolling 30-day average and Permittee/Owner/Operator shall ensure that and that not more than 9,125,000 barrels of feed is processed at S-1100 during each 12 consecutive month period.. (basis: cumulative increase, toxics, offsets)

A2. Permittee/Owner/Operator shall ensure that total fugitive POC emissions from all new and modified equipment associated with S-1100, MTBE Plant, and S-782 methanol storage tank, shall not exceed 62.4 lb/day, based on a 365 day average emission rate, as calculated in accordance with District procedures. (basis: cumulative increase, toxics, BACT, offsets)

A3. Permittee/Owner/Operator shall ensure that all new hydrocarbon vapor pressure relief valves associated with this project shall be vented to the refinery flare gas recovery system. (basis: Regulation 8-28)

A4. Permittee/Owner/Operator of S-1100 MTBE Plant shall maintain daily records in a District-approved log of all methanol deliveries by rail transport, including: (1) the number of tank cars, (2) the weight of each tank car empty and full, and (3) the distances each tank car travels full and empty, respectively, within District boundaries. The total emissions, in lb/day, of NOx, CO, NMHC (POC), PM10, and SO2, from the operation of the cargo carrier's engines shall be calculated in accordance with District procedures, reported under Condition 4357-5 and included under Condition 4357-2. (basis: cumulative increase, offsets)

A5. Permittee/Owner/Operatorp of S-1100 MTBE Plant and S-782 Methanol Storage Tank shall calculate all fugitive POC emissions, in lb/day, associated with S-1100 and S-782, excluding combustion emissions from the rail transport of methanol, in accordance with District procedures and summarize on a monthly basis. The total of fugitive and rail combustion emissions shall be calculated and recorded daily to demonstrate compliance with condition 2 above. These records shall be dept on site and made available for District inspection for a period of 48 months from the date the record was made. (basis: cumulative increase, offsets)

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A6. Permittee/Owner/Operator shall maintain a file containing all measurements and other data required to demonstrate compliance with the above conditions. This file shall include, but is not limited to: the daily throughput data for MTBE and relevant daily transport, storage, and throughput records for methanol. This material shall be kept available for District inspection for a period of at least 5 years following the date on which such measurements, records or data are made or recorded. (basis: cumulative increase, offsets)

PERMIT CONDITIONS FOR S-782 METHANOL STORAGE TANK:

B1. The internal floating roof and primary and secondary seals installed on storage tank S-782 must meet the design criteria of District Regulation 8- 5-320. In addition, the primary metallic shoe seal must meet the design criteria of Regulation 8-5-321. The roof legs shall be sealed with Mesa-type leg boots (or District approved equivalents) to minimize fugitive emissions. (basis: cumulative increase)

B2. The total liquid throughput for Storage Tank S-782 shall not exceed 657,000 barrels during any consecutive 12 month period. (basis: cumulative increase, offsets, toxics)

B3. Only methanol shall be stored in tank S-782 unless the owner/operator has received prior, written authorization from the District for an alternate material(s). (basis: cumulative increase, toxics, offsets)

B4. To demonstrate compliance with the above conditions, the owner/operator of Tank S-782 shall maintain the following records in a District approved log. These records shall be kept on site and made available for District inspection for a period of 5 years from the date that the record was made:
a. ~~a.~~ The types of materials stored and the dates that the materials were stored.
b. b. The total throughput of each material stored, summarized on a monthly basis.
(basis: cumulative increase, toxics, offsets)

Condition # 10684
S21 Plant ~~12759~~B2759
S50 Plant ~~12759~~B2759

1. Permittee/Owner/Operator shall ensure that the secondary seals installed on storage tanks S-21 and S-50 meet the zero gap criteria of District Regulation 8, Rule 5. (basis: Regulation 8-5)

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2. To verify compliance with Condition #1 above, the Permittee/Owner Operator of S-21 and S-50 shall submit to the District, within 30 days of installation or replacement of the secondary seals, a written report of the seal condition including certification of the actual gap measurements between the tank shell and seal surface. Permittee/Owner/Operator shall ensure that this written certification is submitted to the District on an annual basis. The time interval between certifications shall not exceed 15 months. (basis: Regulation 8-5)

Condition # 10696
S529 Tank A-529
S530 Tank A-530
S656 Tank A-846
S658 Tank A-847
S815 No. 1 Feed Prep Unit
S816 No. 2 Feed Prep Unit
S817 No. 3 Crude Unit

MODIFIED PERMIT CONDITIONS TO REFLECT THE NEW CHANGES IN THE FOUL WATER STRIPPER CHARGE SYSTEM:

1. Volatile organic compound emissions from sources S-815, S-816, S-817, S-529, S-530, S-656, and S- 658 shall be abated at all times by the vapor recovery system A-12 operating in conjunction with the No. 5 Gas Plant and the refinery flare gas recovery system, with an overall abatement efficiency of at least 95%. (basis: Regulation 1-301, toxics)

2. Permittee/Owner/Operator shall implement an Inspection and Maintenance Program for fugitive POC emissions from all new pumps, compressors, valves and flanges associated with this project in accordance with District Regulation 18, 25, and 28 with the following revisions:
   a. All accessible pumps, compressors, valves and flanges shall be subject to quarterly inspection and maintenance criteria;
   b. The leak limitation for pumps and compressors shall be 500 ppm (expressed as methane) measured above background at 1 cm from the source; the leak limitation for valves and flanges shall be 100 ppm (expressed as methane) measured above background at 1 cm from the source;
   c. Within 7 days of detection, all leaks shall be repaired or minimized in accordance with the above referenced Regulations. Any future revisions to and/or future requirements of Regulation 8, Rules 18, 25 or 28 shall supersede the above listed requirements only if the new Rule requirement is more stringent than the above criteria.

   (basis: cumulative increase, offsets, Regulation 8-18, Regulation 8-25, Regulation 8-28)

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3. All new hydrocarbon vapor, pressure relief valves associated with this project shall be vented to the refinery flare gas recovery system. (basis: BACT)

4. Permittee/Owner/Operator shall submit a final count of all new pumps, compressors, valves, and flanges within 30 days of start-up of S-656 and S-658. Permittee's cumulative increase in emissions shall be adjusted if there is an increase in total emissions to reflect the difference between emissions based on predicted versus actual component counts. Permittee/Owner/Operator shall provide to the District any required additional offsets, at the offset ratio triggered at the time of S-656 and S-658 permit issuance, for any adjusted cumulative which results in an increase in emissions. (basis: cumulative increase, offsets)

Condition # 10984
S137 Tank A-137

PERMIT CONDITIONS FOR S-137, FIXED ROOF STORAGE TANK:

1. Source S-137 shall be abated by the properly maintained Vapor Recovery System, A-14, at all times that S-137 is in operation except as allowed in Regulation 8, Rule 5. (basis: cumulative increase)

2. The total liquid throughput for Storage Tank S-137 shall not exceed 1,915,000 barrels during any consecutive 12 month period. (basis: cumulative increase)

3. Only the materials, gasoline and/or petroleum products in recovered oil service, shall be stored in tank S-137, unless the owner/operator has received prior written authorization from the District for an alternate material(s). (basis: cumulative increase)

4. In order to demonstrate compliance with the above conditions, the owner/operator of tank S-137 shall maintain the following records in a District approved log. These records shall be kept on site and made available for District inspection for a period of 5 years from the date that the record was made.
   a. The type of all materials stored and the dates that the material were stored.
   b. The total daily throughput of each material stored, summarized on a monthly basis.

   (basis: cumulative increase)

Condition # 11433

S802 FCCU Fluid Catalytic Cracker

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S901 No. 7 Boiler
PERMIT CONDITION ID 11433 PLANT 13 S-802 AND S-901, THE FCCU/CO BOILER PLANT:

1. The FCCU/CO Boiler Plant, Sources S-802/S-901, shall be abated at all times of operation by the electrostatic precipitator A-30 operating properly as designed. (basis: cumulative increase, BACT, offsets)

2. Total emissions to the atmosphere from the FCCU/CO Boiler Plant, Sources S-802/S-901, shall not exceed the following limits in any calendar year.

PM/PM10	151.5	ton/year
POC	5.8	ton/year
NOx	354.4	ton/year
SO2	1335.5	ton/year
CO	121.9	ton/year

(basis: cumulative increase, BACT, offsets)

   2A. The owner/operator shall continuously monitor and record SO2 and NOx emissions. Any new CEMs shall be reviewed and pre-approved the District Source Test Manager. (basis: cumulative increase, BACT)

   2B. Effective June 1, 2004, the owner/operator shall install a continuous opacity monitor to ensure that the emission is not greater than 20% opacity for a period or periods aggregating more than three minutes in any hour when the boiler is is burning CO gas from the FCCU.

3. All new hydrocarbon vapor pressure relief valves associated with this project shall be vented to the refinery flare gas recovery system. (basis: cumulative increase, BACT, offsets)

4. To demonstrate compliance with the emission limits of ~~Condition No~~part~~.~~ 2 above and Condition ID 4357, part 2, ~~Permittee/~~the Owner/Operator shall monitor and calculate all emissions, in lb/day, of NOx, CO, POC, PM/PM10, and SO2, associated with the FCCU/CO Boiler Plant, S-802 and S-901, and summarize and report these emissions to the District on a monthly basis, in accordance with the procedures and requirements specified in Condition ID 4357, part 5. (basis: cumulative increase, BACT, offsets)

5. The ~~Permittee/~~Owner/Operator may submit for District review approved source test data to develop new emission factors for CO and precursor organic compounds, POC, to be used as alternatives to the emission factors specified in Permit No. 22769 (the No. 3 HDS Permit), if it can be shown that the new data are more representative of actual emissions. (basis: cumulative increase, offsets)

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6. The ~~Permittee/~~Owner/Operator shall maintain a District approved file containing all measurements, records, charts, and other data which are required to be collected pursuant to the various provisions of this conditional permit, as well as all other data and calculations necessary to determine the emissions from the emission points covered by this permit, according to the procedures specified in Permittee/Owner/Operator's Permit No. 22769 (the No. 3 HDS Permit). This material shall be kept available for District staff inspection for a period of at least 5 years following the date on which such measurements, records or data are made or recorded. (basis: cumulative increase, offsets, BACT)

7. NOx concentration emission limits from the FCCU Regenerator shall not exceed 20 ppmvd at 0% O2, measured as a 365-calendar day rolling average, and 40 ppmvd at 0% O2, measured as a 7-calendar day rolling average, as determined prior to commingling with other streams. (basis: EPA Consent Decree Paragraph 35)

8. SO2 concentration emission limits from the FCCU shall not exceed 25 ppmvd at 0% O2, measured as a 365-calendar day rolling average, and 50 ppmvd at 0% O2, measured as a 7-calendar day rolling average. (basis: EPA Consent Decree Paragraph 82)

9. CO emissions from the FCCU shall not exceed 500 ppmvd at 0% O2, measured as a one-hour block average. (basis: EPA Consent Decree Paragraph 94, 40 CFR Part 60, Subpart J)

10. Particulate concentration emissions limits from the FCCU shall not exceed 1 pound per 1000 pounds of coke burned (front half only according to Method 5B or 5F, as appropriate), measured as a one-hour average over three performance test runs. (basis: EPA Consent Decree Paragraph 95, 40 CFR Part 60, Subpart J)

11. The NOx, SO2, CO, opacity, and particulate limits in parts 7-10, shall not apply during periods of startup, shutdown or malfunction of the FCCU or malfunction of the applicable control equipment, if any. (basis: EPA Consent Decree Paragraphs 102 and 110)

12. FCCU short term limits in parts 7-10 shall not apply during periods of hydrotreater outage, including startup, shutdown or malfunction of the hydrotreater. During hydrotreater outages, startup, shutdown or malfunction, Tesoro shall comply with the FCCU Feed Hydrotreater Outage Plan. (basis: EPA Consent Decree Paragraph 85)

Condition # 11609
S32103 Fugitive Components Compressor Seals and Pump Seals

VI. Permit Conditions

PERMIT CONDITIONS FOR PLANT 13, A-40 TO ABATE FUGITIVE EMISSIONS FROM 6 EXISTING PUMPS, SERVING GASOLINE TO PIPELINES IN TRACT 6: (APPLICATION 13815)

A1. The Electric Thermal Oxidizer, A-40, shall have a minimum VOC destruction efficiency of 95% by weight, minimum of 0.5 second residence time, and minimum operating temperature of 1400oF. (basis: cumulative increase, toxics)

B2. The Electric Thermal Oxidizer, A-40, shall have a continuous temperature monitor. Each pump duct shall have a flow indicator. (basis: cumulative increase, toxics)

C3. To verify compliance with Condition Nos. 1 and 2 above, the owner/operator of A-40 shall perform a District approved source test within 60 days of start-up. The result shall be reported to the District no later than 30 days from the date of the test. (basis: cumulative increase, toxics)

D4. Permittee/Owner/Operator shall provide the District with notice 7 days in advance of connecting/removing a pump to A-40. The notice shall include the location of the pump and its identification number. In no case shall the total number of pumps connected to A-40 exceed 20. (basis: cumulative increase, toxics)

D5. When A-40 is in operation, the owner/operator of A-40 shall:

a. Record in a District approved log the date and time that pump seal vapors are abated by A-40.

b. Monitor twice daily and record in a District approved log the operating temperature of A- 40.

Records shall be kept on site and made available for District inspection and be retained for at least 5 years from the date on which the record was made. (basis: cumulative increase)

PERMIT CONDITIONS FOR PLANT 13, EITHER A-41 OR A-14 TO ABATE FUGITIVE EMISSIONS FROM 8 EXISTING PUMPS, SERVING ALKYLATION UNIT, (APPLICATION 14138):

B1. The Electric Thermal Oxidizer, A-41, and Vapor Recovery System, A-14, shall have a minimum VOC destruction efficiency of 95% by weight. The Electric Thermal Oxidizer A-41 shall maintain a minimum of 0.5 second residence time, and minimum operating temperature of 1400oF. (basis: cumulative increase, offsets)

B2. The Electric Thermal Oxidizer, A-41, shall have a continuous temperature monitor. Each pump duct shall have a flow indicator. (basis: cumulative increase, offsets)

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B3. To verify compliance with Condition Nos. 1 and 2 above, the owner/operator of A-41 shall perform a District approved source test within 60 days of start-up. The result shall be reported to the District no later than 30 days from the date of the test. (basis: cumulative increase, offsets)

B4. Permittee/Owner/Operator shall provide the District with notice 7 days in advance of connecting/removing a pump to A-41. The notice shall include the location of the pump and its identification number. In no case shall the total number of pumps connected to A-41 exceed 20.
(basis: cumulative increase, offsets)

B5. When either A-41 or A-14 is in operation, the owner/operator of A-41 and A-14 shall:
   a. Record in a District approved log the date and time that pump seal vapors are switched from A-41 to A-14, or vice versa.
   b. Monitor twice daily and record in a District approved log the operating temperature of A-41. Records shall be kept on site and made available for District inspection and be retained for at least 5 years from the date on which the record was made.

   (basis: cumulative increase, offsets)

B6. If A-41 is taken out of service pursuant to permit application #3447 each of the 8 pumps' single seals shall be replaced with District approved dual mechanical seals with a barrier fluid and operated such that the barrier fluid pressure is higher than the process liquid pressure.
(basis: cumulative increase, Reg. 8-18, BACT)

B6A. If A-41 is taken out of service pursuant to permit application #3447, Permittee/Owner/Operator shall ensure that total organic compound emissions from each pump do not exceed 100 ppm, subject to the leak repair provisions of Regulation 8, Rule 18.
(basis: cumulative increase, Reg. 8-18, BACT)

PERMIT CONDITIONS FOR PLANT 13, A-42 TO ABATE FUGITIVE EMISSIONS FROM 8 EXISTING PUMPS, SERVING HYDROCRACKER UNIT, (APPLICATION 14432):

C1. The Hydrocracker Electric Thermal Oxidizer, A-42, shall have a minimum VOC destruction efficiency of 95% by weight. The Electric Thermal Oxidizer A-42 shall maintain a minimum of 0.5 second residence time, and minimum operating temperature of 1400oF. (basis: cumulative increase, offsets)

C2. The Electric Thermal Oxidizer, A-42, shall have a continuous temperature monitor. Each pump duct shall have a flow indicator. (basis: cumulative increase, offsets)

C3. To verify compliance with Condition Nos. 1 and 2 above, the owner/operator of A-42 shall perform a District approved source test within 60 days of start-up. The result shall be reported to the District no later than 30 days from the date of the test. (basis: cumulative increase, offsets)

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C4. Permittee/Owner/Operator shall provide the District with notice 7 days in advance of connecting/removing a pump to A-42. The notice shall include the location of the pump and its identification number. In no case shall the total number of pumps connected to A-42 exceed 20.
(basis: cumulative increase, offsets)

C5. When A-42 is in operation, the owner/operator of A-42 shall keep the following records:
   a. Record in a district approved log the date and time tha pump seal vapors are abated by A-42.
   b. Monitor twice daily and record in a District approved log the operating temperature of A-42. Records shall be kept on site and made available for District inspection and be retained for at least 5 years from the date on which the record was made.

   (basis: cumulative increase, offsets)

PERMIT CONDITIONS FOR PLANT 13, A-43 TO ABATE FUGITIVE EMISSIONS ON 5 EXISTING PUMPS, SERVING TRACT 3, (APPLICATION 14432):

D1. The Electric Thermal Oxidizer, A-43, shall have a minimum VOC destruction efficiency of 95% by weight. The Electric Thermal Oxidizer A-43 shall maintain a minimum of 0.5 second residence time, and minimum operating temperature of 1400oF. (basis: cumulative increase, offsets)

D2. The Electric Thermal Oxidizer, A-43, shall have a continuous temperature monitor. Each pump duct shall have a flow indicator. (basis: cumulative increase, offsets)

D3. To verify compliance with Condition Nos. 1 and 2 above, the owner/operator of A-43 shall perform a District approved source test within 60 days of start-up. The result shall be reported to the District no later than 30 days from the date of the test. (basis: cumulative increase, offsets)

D4. Permittee/Owner/Operator shall provide the District with notice 7 days in advance of connecting/removing a pump to A-43. The notice shall include the location of the pump and its identification number. In no case shall the total number of pumps connected to A-43 exceed 20. (basis: cumulative increase, offsets)

D5. When A-43 is in operation, the owner/operator of A-43 shall keep the following records:
   a. Record in a District approved log the date and time that pump seal vapors are abated by A-43. (basis: cumulative increase, offsets)
   b. Monitor twice daily and record in a District approved log the operating temperature of A-43. Records shall be kept on site and made available for

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District inspection and be retained for at least 5 years from the date on which the record was made. (basis: cumulative increase, offsets)

PERMIT CONDITIONS FOR PLANT 13, A-14 TO ABATE FUGITIVE EMISSIONS ON 10 EXISTING PUMPS, SERVING NO 1. ISOMERIZATION (APPLICATION 14432):

E1. All VOC emissions from pump seals of the ten pumps, S-32103, in the No. 1 Isomerization Unit shall be vented to and controlled at all times by the Refinery Vapor Recovery System A-14. (basis: cumulative increase, offsets)

E2. The No.1 Gas Plant Vapor Recovery System, A-14, shall have a minimum VOC destruction efficiency of 95% by weight. (basis: cumulative increase, offsets)

E3. When A-14 is in operation, the owner/operator of A-14 shall keep the following records:
   a. The daily operating time of A-14. Records shall be kept on site and made available for District inspection and be retained for at least 5 years from the date on which the record was made. (basis: cumulative increase, offsets)

Condition # 11707
PERMIT CONDITIONS FOR S-696, INTERNAL FLOATING ROOF STORAGE TANK:

1. The floating roof and primary and secondary seals installed on storage tank S-696, must meet the design specifications and seal gap requirements of District Regulation 8, Rule 5, for an internal floating roof tank with welded shell and metallic shoe primary seal and secondary wiper seal. (basis: cumulative increase, Regulation 8-5)

2. To verify compliance with Condition #1 above, the owner/operator of S-696 shall submit to the District within 30 days of installation or replacement of any primary or secondary seals, a written report of the seal condition including certification of actual gap measurements between the tank shell and seal surface. For each seal, the time interval between such certifications shall not exceed 10 years. (basis: Regulation 8-5, cumulative increase)

Condition # 11896
S280 Tank A-280
S311 Tank A-311
S312 Tank A-312
~~S314 Tank A-314~~

PERMIT CONDITIONS FOR S-280, S-311, AND S-312~~, AND S-314,~~

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INTERNAL FLOATING ROOF STORAGE TANKS:

1. The floating roofs and primary and secondary seals installed on storage tanks S-280, S-311, and S-312~~, and S-314~~, must meet the design specifications and seal gap requirements of District Regulation 8, Rule 5 for an internal floating roof tank with riveted shell and metallic shoe primary seal and secondary wiper seal. (basis: cumulative increase, Regulation 8-5)

2. To verify compliance with Condition #1 above, the owner/operator of S-280, S-311, and S-312~~, and S-314~~ shall submit to the District within 30 days of installation or replacement of any primary or secondary seals, a written report of the seal condition including certification of actual gap measurements between the tank shell and seal surface. For each seal, the time interval between such certifications shall not exceed 10 years. (basis: cumulative increase, Regulation 8-5)

Condition # 11897
S701 Tank A-701

PERMIT CONDITIONS FOR S-701, EXTERNAL FLOATING ROOF STORAGE TANK:

1. The floating roof and primary and secondary seals installed on storage tank S-701 must meet the design specifications and seal gap requirements of District Regulation 8, Rule 5 for an external floating roof tank with welded shell and metallic shoe primary seal and secondary wiper seal. (basis: Regulation 8-5)

2. To verify compliance with Condition #1 above, the owner/operator of S-701 shall submit to the District within 30 days of installation or replacement of any primary or secondary seals, a written report of the seal condition including certification of actual gap measurements between the tank shell and seal surface. For secondary seals, this certification shall be submitted to the District on an annual basis. The time interval between such certifications shall not exceed 15 months. For primary seals, the certification shall be submitted at least once every 5 years. (basis: Regulation 8-5))

Condition # 12016
Condition ID #12016
Application 10912

Clean Fuels Project
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Unless specified otherwise, the following permit conditions apply only to sources installed or modified as part of the Clean Fuels Project.

9.1 Source Tests / Continuous Emission Monitors

For any source test or continuous emission monitor/recorder (CEM) required by any permit condition associated with the Clean Fuels Project, the following shall apply:

1. For the purposes of determining compliance with any of the emission limits in these Clean Fuels Project permit conditions (including emission limits with averaging times that exceed the typical source test duration), the applicable source test methods in the District's Manual of Procedures shall be sufficient for documenting compliance and non-compliance. All source testing and monitoring shall be done in accordance with the District Manual of Procedures. Written source testing protocol shall be submitted to the District Source Test Division for review and approval at least 30 days prior to conducting the source test. (basis: cumulative increase, offsets, BACT)

2. The District Source Test Division shall be notified in writing of the date and time of any source test, at least 2 weeks prior to conducting the source test. (basis: cumulative increase, offsets, BACT)

3. The initial source tests required by these permit conditions shall be conducted according to the following schedule:
   a) within 60 days of startup; or
   b) within 30 days of achieving maximum production rate, if maximum production is not achieved within the first 30 days following startup, not to exceed 150 days from initial startup. (basis: cumulative increase, offsets, BACT)

4. Written source test results shall be submitted to the District Source Test Division and the District permit engineer within 60 days of completion of the source test, unless an extension is approved by the District. In all cases, written source test results must be received by the District within 150 days of startup. (basis: cumulative increase, offsets, BACT)

5. Prior to construction of any source for which a source test or CEM is required, Permittee/Owner/Operator shall provide the location of all sampling ports, platforms, etc... to the District Source Test Division for review and approval. (basis: cumulative increase, offsets, BACT)

6. Prior to the installation of any CEM, Permittee/Owner/Operator shall submit the CEM design to the District Source Test Section for review and approval. (basis: cumulative increase, offsets, BACT)

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7. Each CEM shall be installed, maintained, calibrated and operated in accordance with all applicable District regulations. Permittee/Owner/Operator shall use a computer or stripchart to record, store, and report a summary of the CEM data for the monthly report. For any CEM that is used to verify compliance with a concentration limit that is averaged over a specified time period, average concentrations shall be calculated. These average concentrations shall be summarized in the monthly report. (basis: cumulative increase, offsets, BACT)

9.2 Record Keeping & Monthly Reporting

1. Permittee/Owner/Operator shall keep records of all necessary information to demonstrate compliance with all permit conditions associated with the Clean Fuels Project. All records shall be retained for at least two years from the date of entry, and shall be made available to the District upon request. This includes, but is not limited to, records of source test data, CEM data, fuel usage, emission calculations and fugitive component counts. Permittee/Owner/Operator shall also keep all records required by NSPS and NESHAP regulations. (basis: cumulative increase, offsets, NSPS, NESHAP)

2 Upon startup of the first process unit associated with the Clean Fuels Project, Permittee/Owner/Operator shall submit all information deemed necessary by the District permit engineer to determine compliance with all permit conditions required for this project. The format of the reports shall be subject to approval by the District permit engineer prior to startup, and shall include, but is not limited to, the information listed below for new or modified sources in the Clean Fuels Project. Changes to the original format shall be subject to approval by both Permittee/Owner/Operator and the District permit engineer. (basis: cumulative increase, offsets, NSPS, NESHAP)

Monthly Reporting Requirements
Fuel usage including type and amount for source:
S-937 No. 1 Hydrogen SMR Furnace, F-37
+ Combustion emissions for this source ;
+ CEM data and emission calculations;
+ CEM indicated excesses;
+ Fuel gas H2S concentrations;
+ Breakdown requests and associated BAAQMD ID #'s.

Annual Reporting Requirements
+
+

9.3 Offsets

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1. If after completion of the Clean Fuels Project, a source(s) was not constructed, the project emissions shall be adjusted and offsets provided for the source(s) shall be returned to the banking certificate; or in the case of PM10 emissions, offsets may either be returned to the Coker/No. 5 CO Boiler (S-806/S-903) emissions limit, the source from which offsets were provided, or banked. (basis: cumulative increase, offsets)

9.4 Fugitives

Conditions 9.4-1 through 9.4-4 for fugitive emissions apply only to POC gaseous and light-liquid services.

1. New or modified fugitive equipment in POC gaseous or light-liquid service, installed as part of the Clean Fuels Project shall comply with the following requirements:

Fugitive Equipment Type	**Leak Limit (ppm)**	**Inspection Frequency**	**Acceptable Technologies**
1.a Valves	100	according to Reg 8, Rule 18	(a) bellows sealed (b) live-loaded (with polished stems for flow-control valves) (c) graphite or or Teflon packed (d) equivalent District-approved type.
1.b Flanges	100	according to Reg 8, Rule 18	(a) graphite or Teflon based gaskets (b) metal ring joints or an equivalent District-approved technology.
1.c Pump	500 Seals Rule 25	according to Reg 8,	(a) dual mechanical seals with heavy liquid barrier fluid either at higher pressure than the process stream or vented to a 95% efficient control device. (b) single mechanical seal vented to

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			a 95% efficient control device. (c) sealless pump technology approved by the District such as "canned" or or magnetically driven pumps.
1.d Compressor Seals (centrifugal compressors)	500	according to Reg 8, Rule 25	(a) "wet" dual mechanical seals with heavy liquid barrier fluid vented to a 95% efficient control device. (b) dual dry-gas mechanical seals with inert gas buffer vented to a 95% efficient control device.
1.e Compressor Seals (reciprocating compressors)	500	according to Reg 8, Rule 25	(a) vented to a 95% efficient control device.
1.f Pressure Relief Valves		according to Reg 8, Rule 28	(a) vented to the flare gas recovery system or a District-approved control device, 95% efficient.
1.g Process Drains			(a) P-Trap sealing system.
1.h Process Sample Systems			(a) closed-loop or continuous-flow design

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with no purging
to process
drains.

This condition does not apply to pressure relief valves on storage tanks or pressure relief valves that handle only low vapor pressure material (<0.05 psia). However, for pressure relief valves, light liquid includes those materials with vapor pressures between 0.05 psia and 0.5 psia. If the District revises Regulation 8, Rule 28, Pressure Relief Valves at Petroleum Refineries and Chemical Plants, to increase the low vapor pressure exemption in Regulation 8-28-111, then the vapor pressure exemption in this condition may be adjusted accordingly, not to exceed 0.5 psia. (basis: BACT, offsets, cumulative increase, toxics, Regulation 8-18, Regulation 8-25, Regulation 8-28)

2. All new, modified or replaced compressors in hydrocarbon service (<50% hydrogen) installed as part of the Clean Fuels Project shall be equipped with an automatic leak indicator (basis: NSPS: 40 CFR 60, Subpart GGG).

3. For the purpose of these permit conditions, unless specifically stated, light-liquid service shall be defined as a hydrocarbon liquid having an initial boiling point of 302 oF or less. (basis: cumulative increase)

4. Total fugitive emissions from all new or modified equipment installed as a part of the Clean Fuels Project are 71.564 tpy precursor organic compounds. Permittee/Owner/Operator shall submit a count of compressors, pumps, valves, and flanges within 60 days of start-up of each unit. If there is an increase in total emissions, Permittee/Owner/Operator's cumulative emissions shall be adjusted to reflect the difference between emissions based on predicted versus actual component counts. Permittee/Owner/Operator shall provide to the District any required offsets, at the offset ratio triggered at the time of permit issuance, but not less than 1.15:1.0, for any adjusted cumulative increase in emissions. Additional offsets shall be provided within 90 days of start-up. Fugitive emissions shall be calculated using the fugitive emission factors identified in the fugitive emission calculations in Appendix B of the Engineering Evaluation Report for Application Number 10912. (basis: cumulative increase, toxics)

9.5 Fuel Gas System

1. The refinery fuel gas burned in any Clean Fuels Project combustion source shall be limited to all of the following:

   a) 0.1 grain/dscf (163 ppm) H2S averaged over 3 hours (basis: NSPS: 40 CFR 60 Subpart J),

   b) 100 ppmv H2S averaged over any consecutive 24-hour period (basis: BACT)

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c) 50 ppmv H2S averaged over any consecutive 12-month period; and, (basis: BACT)

d) 100 ppmv total reduced sulfur (hydrogen sulfide, methyl mercaptan, carbon disulfide, dimethyl sulfide, dimethyl disulfide, and carbonyl sulfide), expressed as H2S equivalent, averaged over any consecutive 12-month period. (basis: BACT)

2. Permittee/Owner/Operator shall install a continuous gaseous fuel monitor/recorder to determine the H2S content of the refinery fuel gas prior to combustion in all Clean Fuels Project combustion sources. Permittee/Owner/Operator shall also, prior to combustion in all Clean Fuels Project combustion sources, install a continuous monitor/recorder, or an alternate monitoring method approved by the District, to measure total reduced sulfur compounds in the refinery fuel gas expressed as H2S equivalent. (basis: BACT, NSPS: 40 CFR 60 Subpart J)

3. Permittee/Owner/Operator shall calculate and record the: (1) 3-hour H2S content; (2) 24-hour rolling average H2S content; and (3) TRS content of the refinery fuel gas, for determining compliance with Condition 9.5-1. On a monthly basis, Permittee/Owner/Operator shall report daily fuel consumption and the highest 3-hour and 24-hour average H2S content of the refinery fuel gas, for combustion sources associated with the Clean Fuels Project. Permittee/Owner/Operator shall also report the monthly, and 12-month average TRS concentrations in the refinery fuel gas. (basis: BACT, NSPS: 40 CFR 60 Subpart J)

9.6 Combustion Sources (S-1033, S-1034, S-1035 and S-1036) These sources were not installed and conditions associated with these sources have been deleted. (basis: cumulative increase)

9.7 Storage Tanks (S-773, S-774, S-776, S-777, S-778, S-779, S-783, S-784, S-785, S-786, and S-787) These sources were not installed and conditions associated with these sources have been deleted. (basis: cumulative increase)

9.8 Flares (A-33 and A-35) These control devices were not installed and conditions associated with these control devices have been deleted. (basis: cumulative increase)

9.9 Cooling Towers (S-989, S-993, and S-994) These sources were not installed and conditions associated with these sources have been deleted. (basis: cumulative increase)

9.10 Toxics

1. The total carcinogenic risk from the Clean Fuels Project shall not exceed 4.5 in one million, the risk attributed to the Project based on the District-adjusted Health Risk Assessment (HRA). (basis: toxics)

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2. Upon startup of each process unit, Permittee/Owner/Operator shall compare actual counts of individual fugitive components (valves, flanges, pumps, compressors, relief valves) with the number of components for each stream (components that were modeled under a single modeling identification number in the Project Health Risk Assessment). If the actual number of components is greater than the number used in the Project HRA for a stream, then Permittee/Owner/Operator shall re-calculate fugitive emissions for that stream. If the re-calculated fugitive emissions exceed the original HRA emissions for that stream by 10% or more, then Permittee/Owner/Operator shall re-calculate the carcinogenic risk for that process stream. (Permittee/Owner/Operator may also consider risk reductions for those streams with fewer components, if they wish.) Upon completion of the Clean Fuels Project, Permittee/Owner/Operator shall total all of the risk increases (and decreases, if calculated) for individual streams, relative to the original HRA calculations, and adjust the project risk accordingly. (basis: cumulative increase, toxics)

9.11 Summary of Refinery Cap Revisions (Refer to Appendix B, Tables B-1 and B-2.)

1. Cap PM10 emission limits are reduced to reflect the offsets provided by emission reductions at No. 5 CO Boiler S-903. (basis: offsets)

2. Cap POC emission limits are raised to reflect the slight emission increases at tanks S-773 and S-774 (MTBE tanks converted to gasoline storage). Also, tanks S-773 and S-774 will be removed from the text of Condition ID 10525, which pertains to the MTBE Unit. (basis: cumulative increase)

3. Use of AP-42 emission factors is specified in the cap conditions, in lieu of current cap factors, for No. 1 Hydrogen Plant SMR Furnace, S-937. Cap emission limits were changed to reflect the changed emission calculation basis to AP-42 factors. For all pollutants except NOx, the cap limit adjustment was calculated as follows:

   Cap Adjustment = (post-project S-937 emissions)AP-42 factor - (pre-project S-937 emissions)cap factor

   Cap NOx limits were not adjusted because actual NOx emissions from S-937 decrease due to the low-NOx burner retrofit. However, to ensure the decrease, the cap NOx emissions limit for S-937 was changed to the AP-42 value of 81 pounds per billion BTU. This AP-42 emission factor for low-NOx burners will be used to calculate emissions from S-937 after the project. The cap NOx limits will be adjusted congruously with the compliance schedule NOx emissions in Regulation 9, Rule 10. (basis: emission cap)

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4. The throughput limit of 45,000 barrels per stream day on #3 HDS unit S-850 in future Condition 8077, 6B is raised to 70,000 barrels per stream day. (basis: cumulative increase)

Condition # 12368

PERMIT CONDITIONS FOR S-316, INTERNAL FLOATING ROOF STORAGE TANK:

1. The primary and secondary seals installed on storage tank S-316, must meet the design criteria of District Regulation 8-5-306 and 8-5-320. In addition, the primary seal and secondary seals on storage tank S-316 must meet the design specifications and seal gap requirements for riveted tank with metallic shoe seals of District Regulation 8-5-321 and 8-5-322, respectively.
(basis: Regulation 8-5)

2. To verify compliance with Condition #1 above, the owner/operator of S-316 shall submit to the District within 30 days of installation or replacement of any primary or secondary seals, a written report of the seal condition including certificating of actual gap measurements between the tank shell and seal surface. For secondary seals, this certification shall be submitted to the District at least every 10 years. For primary seals, the certification shall be submitted at least every 5 years.

(basis: Regulation 8-5)

Condition # 13282

THE FOLLOWING CONDITIONS SHALL APPLY TO SOURCE S-1421 WHENEVER NON-EXEMPT ORGANIC MATERIALS ARE STORED IN THE TANK.

1. The throughput of all materials at S-1421 (Tank 757)shall not exceed 2,490,000 barrels during any consecutive 12-month period, unless the owner/operator can show, through monthly recordkeeping and District- approved calculations, that total precursor organic compound emissions from S-1421 (Tank 757) organic liquid storage tank do not exceed 1.033 tons during any consecutive 12 month period.
(basis: cumulative increase, offsets)

2. The owner/operator may store hydrocarbon materials other than light end saturated diesel, gasoline (RVP=7), provided the following three criteria are met:
   a) the true vapor pressure of the alternate material is not greater than gasoline with RVP=7,
   b) the increase in toxic risk from the tank does not exceed the District's toxic screening levels, and;
   c) the owner/operator has applied for and received prior written approval for the alternative material(s). The request shall include an analysis of toxic emission increases when appropriate. (basis: cumulative increase, toxics)

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3. External floating roof tank S-757 shall have liquid mounted primary seals and zero-gap secondary seals. There shall be no ungasketed roof fittings, as described below. Except for roof legs, each roof fitting shall be of the design which yields the minimum roof fitting losses (per EPA Compilation of Air Pollution Emission Factors, AP-42, Supplement E, Section 12.3.2, Table 12.3- 11). The following list indicates the type of control required for a variety of typical roof fittings. Roof fitting control techniques not included in this list shall be subject to District approval, prior to installing the roof on the tank.

Fitting Type	Control Technique
Access hatch	Bolted cover, gasketed
Guide pole / Well	Slotted guide pole; gasketed, sliding cover, w/ float and Sleeve
Gauge float well	Bolted cover, gasketed Gauge hatch /
Sample well	Weighted mechanical actuation, gasketed
Vacuum breaker	Weighted mechanical actuation, gasketed
Roof drain	Roof drain does not drain water into product
Roof leg	Adjustable, with vapor seal boots or taped
Rim vent	Weighted mechanical actuation, gasketed

(basis: cumulative increase, BACT, offsets)

4. To demonstrate compliance with the above conditions, the following records shall be kept on site and made available for District inspection for a period of 5 years from the date on which a record was made.
   a) The type of organic liquid stored and the dates that the organic liquids were stored.
   b) The monthly tank throughput for each material stored on the tank surface.

   (basis: cumulative increase, toxics, Regulation 8-5, offsets)

Condition # 13509
S955 Internal Combustion Engine
S956 Internal Combustion Engine
S957 Internal Combustion Engine
S958 Internal Combustion Engine
S959 Internal Combustion Engine
S960 Internal Combustion Engine

THE FOLLOWING CONDITIONS ARE EFFECTIVE JANUARY 1, 1997 ON SOURCES S-955, S-956, S-957, S-958, S-959 AND S-960, APPLICATION #15392:

1. This engine shall be fired exclusively on natural gas. (basis: toxics)

2. NOx emissions, calculated as NO2, shall not exceed 140 ppmv @ 15% O2, dry. basis: Regulation 9-8)

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3. CO emissions shall not exceed 2000 ppmv @ 15% O2, dry. (basis: Regulation 9-8)

4. To demonstrate compliance with Conditions 2 and 3, District approved source tests on S-955 through S-960 shall be performed within 180 days of start-up of these sources after NOx control retrofits are completed. In no event shall the source tests be performed later than March 31, 1997. Prior approval of the source test procedures shall be obtained from the District's Source Test Section. The District's Source Test Section shall also be notified at least 30 days in advance of the source test. The source test report shall be submitted to the District within 60 days of source test completion. (basis: Regulation 9-8)

Condition # 13605
Conditions for S-323, Plant 13, Application 25142 (March, 1996) amended by Application 10667 (November, 2004): Increase Reid vapor pressure from 2 to 9 psia, decrease throughput from 11,000,000 barrels/yr to 2,000,000 barrels/yr, add source testing to determine POC destruction efficiency of A-14 Vapor Recovery and process heaters.

1. The Owner/Operator shall ensure that the net throughput of all VOC/petroleum materials at S-323 (Tank 323) does not exceed 2,000,000 barrels during each rolling consecutive 12-month period. A level-monitoring device will measure the height of the tank. The change in height will be used to calculate throughput. (basis: cumulative increase)

2. The owner/operator may store hydrocarbon materials other than gasoline and alkylate blending components, provided the following two criteria are met:
   a) the Reid vapor pressure of the alternate material is not greater 9.0 psia (true vapor pressure not greater than 7.6 psia at 70F), and
   b) POC emissions, based on the maximum throughput in part 1, do not exceed 1922.79 pounds per year;

   and

   c) the resulting toxic risk from the tank does not cause the tank to fail a risk screen analysis. (basis: cumulative increase, toxics)

3. Notwithstanding any provision of District regulations allowing for either the maintenance or malfunction of A-14 due to a valid break down at No. 1 Gas Plant vapor recovery compressor(s), the Owner/Operator shall ensure that fixed roof tank S-323 vents to existing vapor recovery unit, A-14, or an equivalent District-approved abatement system, having a minimum overall VOC control efficiency of 99.5% on a mass basis. In accordance with the NSPS requirments of 10 CFR 60, Subpart Kb, Owner/Operator shall ensure that this tank is maintained leak-free (less than 500 ppm above background as methane). (basis: cumulative increase, NSPS)

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4. To determine compliance with the above parts, the owner/operator shall maintain the following records and provide all of the data necessary to evaluate compliance with the above conditions, including, but not necessarily limited to, the following information:

a. On a monthly basis, type and amount of liquids stored and Reid vapor pressure ranges of such liquids.

b. The throughput of material shall be added and recorded in the log for each month and for each rolling consecutive 12-month period.

c. The time, date, duration, and reason for each instance that S-323 is not abated by A-14.

These records shall be kept on-site for at least 5 years. All records shall be recorded in a District-approved log 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, Toxic Risk Screen, Offsets, Regulation 1-441, Regulation 8-5-501, Regulation 1-238)

Condition # 13725
PERMIT CONDITIONS FOR S-651, EXTERNAL FLOATING ROOF STORAGE TANK, A/N 14080, PLANT # 13:

1. Source S-651 must meet all requirements of District Regulation 8, Rule 5 for storage of organic liquid in an external floating roof tank.
(basis: Regulation 8-5)

Condition # 14905
PERMIT CONDITIONS FOR S-32102, TWO 12 INCH PIPELINES PROJECT, APPLICATION 17340.

1. Permittee/Owner/Operator shall implement an inspection and maintenance program for all pumps, valves and flanges in this project in accordance with District Regulation 8, Rules 18 and 25.

   a. All pumps, valves and flanges shall be subject to quarterly inspection and maintenance criteria in accordance with the above referenced Regulations.

   b. The leak limitation shall be 100 ppm (express as methane) for flanges, 100 ppm (expressed as methane) for process valves, and 500 ppm (expressed as

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methane) for pump seals, measured above background at 1 cm from the source.

c. Within 7 days of detection, all leaks shall be repaired or minimized in accordance with the above referenced Regulations. Any future revision to and/or future requirement of Regulation 8, Rules 18 or 25 shall supersede the above listed requirements only if the new Rule requirement is more stringent than the above criteria.

(basis: Regulation 8-18, Regulation 8-25)

2. All new above ground pumps installed or replaced at S-32102 shall be, as a minimum, double mechanical seals with barrier fluid type. (basis: BACT)

3. All new valves in light liquid hydrocarbon service installed or replaced at S-32102 shall be, as a minimum, graphite gasketed type. (basis: BACT

4. Deleted (report of final count of actual built valves and flanges, 6/1/99).

Condition # 15204

THE FOLLOWING CONDITIONS FOR THE NO. 1 GAS PLANT COMPRESSOR ENGINES ARE EFFECTIVE JANUARY 1. 1997:

1. Compressor engines S-952, S-953, and S-954 shall be fired exclusively on natural gas. (basis: cumulative increase)

2. NOx emissions from each engine shall not exceed 56 ppmv, dry @ 15% O2. (basis: Regulation 9-8-301.1)

3. CO emissions shall not exceed 2,000 ppmv, dry @ 15% O2. (basis: Regulation 9-8-301.3

4. Visible particulate emissions shall not exceed 1 on the Ringelmann chart. (basis: Regulation 6-301)

Condition # 16685
AVON REFINERY
CONDITION ADDED 09/02/99

Condition #1:
Permittee/Owner/Operator shall ensure that each combustion source listed below does not exceed its indicated maximum firing rate (higher heating value), expressed in the units of million BTU per day (MMBTU/day). These firing rates are sustainable maximum firing

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rates. The sustainable hourly firing rates, used for billing purposes, are established by dividing the maximum daily firing rates by 24 hours.

District Source Number (#)	Firing Rate Used for Fees (MMBTU/hr)	Firing Rate Enforceable Limit (MMBTU/day)	District/ Permittee Source Description
S-903	740	17760	#5 Boilerhouse
S-904	775	20352	#6 Boilerhouse
S-908	220	5280	#8 Furnace NO. 3 Crude
S-909	145	3480	#9 Furnace #1 Feed Prep.
S-912	135	3240	#12 Furnace -#1 Feed Prep. Heater
S-913	59	1416	#13 Furnace -#2 Feed Prep. Heater
S-915	20	480	#15Furnace –Plat former Intermediate Heater
S-916	55	1320	#16 Furnace -#1 HDS Heater
S-917	18	432	#17 Furnace -#1 HDS Prefractionator Reboiler
S-919	65	1560	#19Furnace -#2 HDS Depentanizer Reboiler
S-920	63	1512	#20 Furnace -#2 HDS Charge Heater
S-921	63	1512	#21 Furnace -#2 HDS Charge Heater
S-922	130	3120	#22 Furnace -#5 Gas Debutanizer Reboiler
S-924	16	384	#24 Furnace-Coker Anti-Cooking Steam Superheater
S-926	145	3480	#26 Furnace -#2 Reformer Splitter Reboiler
S-927	280	6720	#27 Furnace -#2 Reformer Heater AND Reheating
S-928	20	480	#28 Furnace –HDN Reactor A Heater
S-929	20	480	#29 Furnace –HDN ReactorB Heater
S-930	20	480	#30 Furnace –HDN Reactor C Heater
S-931	20	480	#31 Furnace –Hydrocracker Reactor 1 Heater
S-932	20	480	#32 Furnace –Hydrocracker Reactor 2 Heater
S-933	20	480	#33 Furnace –Hydrocracker Reactor 3 Heater
S-934	152	3648	#34 Furnace –Hydrocracker Stabilizer Reboiler
S-935	152	3648	#35 Furnace –Hydrocracker Splitter Reboiler
S-937	743	17832	#37 Furnace –Hydrogen Plant
S-950	440	10560	#50 Furnace – Crude Heater @ 50 Unit
S-951	30	720	#51 Furnace-#2 Reformer Auxiliary Reheat
S-971	300	7200	#53 Furnace -#3 Reformer UOP Furnace
S-972	45	1080	#54 Furnace -#3 Reformer Debutanizer Reboiler
S-973	55	1320	#55 Furnace-No 3 HDS Recycle Gas Heater
S-974	110	2640	#56 Furnace-No 3 HDS Fractionator Feed Heater

(basis: cumulative increase, Regulation 2-1-403)

Condition #2:
In a District approved log (or logs), in units of therms or MMBtu, Permittee/Owner/Operator shall record the amount of each fuel fired at each of S-904, S-908, S-909, S-912, S-913, S-915, S-916, S-917, S-919, S-920, S-921, S-922, S-924, S-926, S-927, S-928, S-929, S-930, S-931, S-932, S-933, S-934, S-935, S-937, S-950, S-951, S-971, S-972, S-973, and S-974, based on each fuel's HHV, for each month and each rolling 12 consecutive month period. Permittee/Owner/Operator shall ensure that

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the log or logs are retained on site for not less than 5 years from date of last enrty and that each log is made available to the District staff upon request.
(basis: cumulative increase, Regulation 2-1-403)

Condition #16729

S-857 Cold Cleaner; Machine Shop Governor Room, Greymills Model: 500 A, Capacity: 35 Gallons
S-858 Cold Cleaner; Machine Shop Lapping Room, Custom Design, Capacity: 25 Gallons
S-859 Cold Cleaner; Machine Shop, Greymills Model: 500 A, Capacity: 35 Gallons
S-860 Cold Cleaner; Tool Room, Safety Kleen Model: STD-32, Capacity: 25 Gallons
S-861 Cold Cleaner; Auto Shop, Safety Kleen Model: 30.3R, Capacity: 30 Gallons
S-1455 Cold Cleaner; Auto Shop, Safety Kleen Portable Model: 60, Capacity: 6 Gallons
S-1456 Cold Cleaner; I & E Shop, Power Systems, Inc. Parts Washer, Capacity: 30 Gallons
S-1457 Cold Cleaner; Compressor Shop, Safety Kleen Model: SK-34, Capacity: 34 Gallons
S-1458 Cold Cleaner; Valve Shop, Safety Kleen Model: SK-34, Capacity: 34 Gallons

1. The combined net usage of Naturalizer (terpenichydrocarbon) and Safety Kleen 105 Solvent(99.8% stoddard solvent and 0.2% perchloroethylene)at each source listed below shall not exceed the limit specified in any consecutive 12-month period:

source	net usage limit
S-857	50 gallons
S-858	50 gallons
S-859	50 gallons
S-860	50 gallons
S-861	50 gallons
S-1455	25 gallons
S-1456	50 gallons
S-1457	50 gallons
S-1458	50 gallons

(basis: cumulative increase, toxics)

2. Cleanup solvent other than the material(s)specified in Condition 1, and/or usage in excess of that specified in Condition 1, may be used, provided that the Owner/Permittee/Operator can demonstrate that all of the following are satisfied:
   a. Total POC emissions from each of S-857, S-858,S-859, S-860, S-861, S-1456, S-1457,S-1458 do not exceed 335 pounds in any consecutive 12-month period; and
   b. Total POC emissions from S-1455 do not exceed 167.5 pounds in any consecutive 12-month period; and
   c. NPOC emissions are not emitted from S-857, S-858,S-859, S-860, S-861, S-1455, S-1456, S-1457,S-1458; and
   d. The use of these materials does not increase toxic emissions above any risk screening trigger level set forth in Regulation 2, Rule 5~~1, Table 316~~. (basis: cumulative increase, toxics)

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3. To determine compliance with the above conditions, the Owner/Permittee/Operator shall maintain the following records and provide all of the data necessary to evaluate compliance with the above conditions, including the following information:
   a. Type and monthly usage of all POC and NPOC containing materials used;
   b. If a material other than those specified in Condition 1 is used, POC, NPOC and toxic component contents of each material used; and mass emission calculations to demonstrate compliance with Condition 2, on a monthly basis;
   c. Monthly usage and/or mass emission calculations shall be totaled for each consecutive 12-month period.

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

Condition # 17292

A-1423 Carbon Adsorption Unit; FMG Vaporscrub or Equivalent, 4 Drums in Series, Each Containing 1800 Pounds of Activated Carbon abating S-1020 #3 UOP Reformer @ Continuous Catalyst Regenerator Vent

1. A-1423 shall consist of four drums of activated carbon situated in series with each of the four drums containing not less than 1800 pounds of activated carbon. (basis: toxics)

2. Not less frequently that once every 365 consecutive day period, the Permittee/Owner/Operator shall change out all of the activated carbon at A-1423 and replace it such that each of the four drums contains not less than 1800 pounds of unspent activated carbon. (basis: toxics)

3. After A-1423 has been in operation for 60 days (1440 hours) abating the (S-1020 #3 UOP Reformer) Continuous Catalyst Regenerator and before A-1423 has been in operation for 90 days (2160 hours) abating the (S-1020 #3 UOP Reformer) Continuous Catalyst Regenerator, the Permittee/Owner/Operator shall ensure that a District approved source test is completed, testing for those specific pollutants tested for in the 1998 California Air Resources Board (CARB) emissions testing on No. 3 Reformer catalyst regenerator vent. The test results shall include all of the data (including emission data and process data) provided in the results of the 1998 CARB emissions testing, including that data contained in the 1998 CARB test results in Table 1-1, Table 1-2, Table 1-3, Table 1-4, Table 1-5, and Table 1-6, except that the data provided shall be specific to the results of the District approved emission testing required pursuant condition number 3 of the conditions imposed pursuant to permit application #431. The District approved (three run)

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source test shall be conducted while the S-1020 #3 UOP Reformer is in operation at a feed rate and under operating conditions comparable to the process conditions existing at No. 3 Reformer and the No. 3 Reformer CCR during the 1998 CARB emission testing on No. 3 Reformer catalyst regenerator vent. Not more than 45 days after the testing is completed, two identical copies of the test results and supporting test related documentation shall be submitted to the District's Engineering Division.. (basis: start-up, toxics)

4. After A-1423 has been in operation for 300 days (7200 hours) abating the (S-1020 #3 UOP Reformer) Continuous Catalyst Regenerator and before A-1423 has been in operation for 330 days (7920 hours) abating the (S-1020 #3 UOP Reformer) Continuous Catalyst Regenerator, the Permittee/Owner/Owner shall ensure that a District approved source test is completed, testing for those specific pollutants tested for in the 1998 California Air Resources Board (CARB) emissions testing on No. 3 Reformer catalyst regenerator vent. The test results shall include all of the data (including emission data and process data) provided in the results of the 1998 CARB emissions testing, including that data contained in 1998 CARB test results in Table 1-1, Table 1-2, Table 1-3, Table 1-4, Table 1-5, and Table 1-6, except that the data provided shall be specific to the results of the District approved emission testing required pursuant to condition number 4 of the conditions imposed pursuant to permit application #431. The District approved (three run) source test shall be conducted while the S-1020 #3 UOP Reformer is in operation at a feed rate and under operating conditions comparable to the process conditions existing at No. 3 Reformer and the No. 3 Reformer CCR during the 1998 CARB emission testing on No. 3 Reformer catalyst regenerator vent. Not more than 45 days after the testing is completed, two identical copies of the test results and supporting test related documentation shall be submitted to the District's Engineering Division. (basis: toxics)
5. The Permittee/Owner/Operator shall maintain a District approved log on site for at least 5 years after last entry and the log shall be made available to the District staff upon request. The Permittee/Owner/Operator shall maintain the following information in the District approved log:

   A. For each of the four carbon holding drums at A-1423, the date and time of each carbon change out, including the amount of carbon removed from each drum at A-1423 and the amount of unspent activated carbon added to each drum at A-1423.

   B. The number of hours (or fractions thereof) each day, that the Continuous Catalyst Regenerator (at S-1020 #3 UOP Reformer) is operated without abatement by A-1423.

   C. The date of each emission source test on the exit gas stream from A-1423 while A-1423 is abating the CCR vent at S-1020 #3 UOP Reformer.

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D. The date of each emission source test on the exit gas from the CCR vent at S-1020 #3 UOP Reformer. (basis: toxics, record keeping)

Condition # 17322
APPLICATION 19418; TOSCO AVON REFINERY; PLANT NO. 13

Conditions for Industrial Boiler S-904 (No. 6 Boiler):

1. Permittee/Owner/Operator shall ensure that Boiler S-904 is not fired above its maximum firing rate of 775 MMBTU/hr (HHV) heat input at any time. (basis: cumulative increase, offsets, toxics)

1a. S-904, boiler # 6 shall burn only gaseous fuels. (basis: cumulative increase)

2. Permittee/Owner/Operator shall ensure that Boiler S-904 is retrofitted with and abated by A-904, Selective Catalytic Reduction (SCR) system, for the Refinery to achieve compliance with the facility-wide NO_x limit of Regulation 9-10-301, 0.033 lb NO_x/MMBTU, and source specific CO limit of Regulation 9-10-305, 400 ppmvd @ 3% O2, in accordance with the District-approved control plan submitted under Regulation 9-10-401.
(basis: Regulation 9-10-302, Regulation 9-10-305, Regulation 9-10-401)

3. Permittee/Owner/Operator shall ensure that Boiler S-904 is equipped with a dedicated District approved fuel flow meter in each fuel line in accordance with Regulation 9-10-502.2. Permittee/Owner/Operator shall ensure that each flow meter is in operation prior to the performance of the initial source test described in Condition No. 6, and that each flow meter is maintained in good working order.
(basis: Regulation 9-10.502.2)

4. Permittee/Owner/Operator shall ensure that Boiler S-904 is equipped with District-approved, in-stack continuous emission monitoring systems (CEMS) for nitrogen oxides (NO_x), carbon monoxide (CO), and oxygen (O2) prior to July 1, 2000. The CEMS shall be maintained in good working order in accordance with the District Manual of Procedures, Volume V.
(basis: Regulation 9-10-302, Regulation 9-10-305)

4a. Effective June 1, 2004, Permittee/Owner/Operator shall install a continuous opacity monitor to ensure that the emission is not greater than 20% opacity for a period or periods aggregating more than three minutes in any hour when the boiler is burning coker flue gas. (basis: Regulation 6-302)

5. Permittee/Owner/Operator shall ensure that ammonia stack emissions from Boiler S-904 resulting from the operation of A-904 SCR system shall not exceed 20 ppmv, dry @ 3% O2. (basis: toxics)

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6. Permittee/Owner/Operator shall ensure that after modification of S-904, an initial source test for NO_x and CO shall be performed in accordance with Regulation 9-10-501, for ammonia, in accordance with the District Manual of Procedures. In addition to the requirements in this regulation, Permittee/Owner/Operator shall ensure that the following procedures are followed:
   A. Permittee/Owner/Operator shall submit a source test protocol to the Manager of the District's Source Test Section at least seven (7) days prior to the test, for District approval and to provide District staff the option of observing the testing.
   B. Permittee/Owner/Operator shall ensure that source test conditions are representative of the normal operating ranges and conditions of the boiler.
   C. Permittee/Owner/Operator shall ensure that within 45 days of test completion, a comprehensive report of the test results shall be submitted to the District's Director of Enforcement.
   D. Permittee/Owner/Operator shall ensure that the ammonia source test shall be repeated on a semi-annual basis. (basis: Regulation 9-10-501, toxics)

7. Hourly records of the type and amount of fuel burned at Boiler S-904, the continuous emission monitoring (CEMS) measurements for NO_x, CO, and O2, and source test data for NO_x, CO, O2, and ammonia shall be maintained in a District-approved log for at least 5 years and made available to District staff upon request. (basis: toxics, offsets, cumulative increase)

8. Boiler S-904 shall continue to be subject to the Refinery Cap Permit No. 27769, Condition ID No. 4357. (basis: offsets, bubble)

CONDITIONS FOR FURNACES S-916 AND S-921:

9. Permittee/Owner/Operator shall ensure that Furnace S-916 and Furnace S-921 are not fired above the indicated maximum firing rate (HHV) at any time, heat input basis:
   S-916 55 MMBTU/hr
   S-921 63 MMBTU/hr
   (basis: cumulative increase, offsets, toxics)

10. Permittee/Owner/Operator shall ensure that Furnace S-916 and Furnace S-921 are modified by the installation of low NOx burners for the Refinery to achieve compliance with the facility-wide NO_x limit of Regulation 9-10-302, 0.033 lb NO_x/MMBTU, and source specific CO limit of Regulation 9-10-305, 400 ppmvd @ 3% O2, in accordance with the District-approved control plan submitted under Regulation 9-10-401.
    (basis: Regulation 9-10-302, Regulation 9-10-305, Regulation 9-10-401)

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11. Furnaces S-916 and S-921 shall each be operated with a dedicated fuel flow meter in each fuel line in accordance with Regulation 9-10-502.2. Each flow meter shall be in operation prior to the performance of the initial source test described in Condition No. 4, and maintained in good working order.
(basis: Regulation 9-10.502.2)

12. Permittee/Owner/Operator shall ensure that after S-916 and S-921 are modified an initial set of source tests for NO_x and CO shall be performed on each furnace, S-916 and S-921, in accordance with Regulation 9-10-501. In addition to the requirements in Regulation 9-10, Permittee/Owner/Operator shall ensure that the following procedures are followed:
    A. Permittee/Owner/Operator shall submit a source test protocol to the Manager of the District's Source Test Section at least seven (7) days prior to the test, for District approval and to provide District staff the option of observing the testing.
    B. Permittee/Owner/Operator shall ensure that source test conditions encompass the normal operating ranges and conditions of each furnace.
    C. Permittee/Owner/Operator shall ensure that within 45 days of test completion, a comprehensive report of the test results shall be submitted to the District's Director of Enforcement.
    D. Permittee/Owner/Operator shall ensure that these source tests are repeated on a semi-annual basis.

13. Permittee/Owner/Operator shall satisfy the requirement to monitor NOx, CO, and O2 pursuant to Regulation 9-10-502 for S-916 and S-921 through the performance of the initial and periodic source tests described in Part 12. The frequency of the periodic source testing may be adjusted by the District to maintain compliance verification with the NOx standard of Regulation 9-10-302 and the CO standard of Regulation 9-10-305, and the consistency with the District-approved control plan submitted under Regulation 9-10-401.

14. In a District approved log, Permittee/Owner/Operator shall record and retain hourly records of the type and amount of each fuel burned at each furnace in addition to all emission source test data that is generated pursuant to these conditions. The District approved log shall be maintained for at least 5 years from date of entry and shall be made available to District staff upon request.

15. Permittee/Owner/Operator shall ensure that Furnace S-916 and Furnace S-921 are operated in compliance with the Refinery Cap Permit No. 27769, Condition ID No. 4357.

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Condition #17477
S-1461 External Floating Roof Tank; Capacity: 240,000 BBL, Storing: Crude Oil

A1) Permittee/Owner/Operator shall ensure that the total throughput of all VOC/petroleum materials to S-1461 does not exceed 50,000,000 barrels (2,100,000,000 gallons) during any 12 consecutive month period. (basis: cumulative increase, toxics)

A2) Permittee/Owner/Operator shall ensure that the true vapor pressure of each and all VOC/petroleum materials throughput to and/or stored in S-1461 is less than or equal to 10 psia. (basis: cumulative increase)

A3) Permittee/Owner/Operator shall ensure that S-1461 is of welded construction, that its primary seal is a liquid mounted mechanical shoe seal, that its secondary seal is a zero gap rim mounted seal, that all roof penetrations are gasketted, that each adjustable roof leg is fitted with a vapor seal boot, that each slotted guide pole is equipped with a float and a wiper seal and a pole sleeve. (basis: BACT, Regulation 8-5, cumulative increase, toxics, NSPS, Regulation 10 Subpart Kb)

A4) Because the District's emission calculation for S-1461 is based, in part, on the Permittee's disclosure that S-1461 will be equipped with the following deck fittings, in the number indicated in parenthesis:
access hatch (1)
automatic gauge float well (1)
roof drain (1)
adjustable roof leg (80)
slotted guide pole-sample well (1)
vacuum breaker (2)

Permittee/Owner/Operator shall ensure that, if after construction of S-1461, the actual deck fitting type and/or count is different from what is described above, then the permit will be amended to account for these changes and the Permittee/Owner/Operator will provide additional offsets, consistent with the changes, as required by the District. (basis: cumulative increase, toxics, offsets)

A5) VOC/petroleum material other than Crude Oil may be throughput to or stored at S-1461, if all of the following are satisfied:
a) the storage of each material complies with all other conditions applicable this source
b) the storage of each material complies with all other applicable regulatory requirements
c) the Permittee/Owner/Operator creates and maintains District approved records which demonstrate to the District's satisfaction that no toxin listed in Table 2-~~1-316~~5-1 is emitted from S-1461 in an amount in excess of the toxin's

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respective trigger level set forth in Table ~~2-1-316~~2-5-1. (basis: cumulative increase, toxics)

A6) On a monthly basis, the Permittee/Owner/Operator shall record the throughput of each VOC/petroleum material throughput to S-1461, in gallon or barrel units, by name (e.g., Kerosene, Crude Oil, Jet A) in a District approved log for each month and each rolling 12 consecutive month period. The District approved log shall be retained on site for not less than 5 years from date of last entry and be made available to District staff upon request. (basis: cumulative increase, toxics)

S-1462 External Floating Roof Tank; Capacity: 240,000 BBL, Storing: Crude Oil or HDS Gas Oil

B1) The total throughput of all VOC/petroleum materials to S-1462 shall not exceed 50,000,000 barrels (2,100,000,000 gallons) during any 12 consecutive month period. (basis: cumulative increase, toxics)

B2) The true vapor pressure of each and all VOC/petroleum materials throughput to and/or stored in S-1462 shall be less than or equal to 10 psia. (basis: cumulative increase)

B3) S-1462 shall be of welded construction, its primary seal shall be a liquid mounted mechanical shoe seal, its secondary seal shall be a zero gap rim mounted seal, all roof penetrations shall be gasketted, each adjustable roof leg shall be fitted with a vapor seal boot, each slotted guide pole shall be equipped with a float and a wiper seal and a pole sleeve. (basis: BACT, Regulation 8-5, cumulative increase, toxics, NSPS, Regulation 10 Subpart Kb)

B4) The District's emission calculation for S-1462 is based, in part, on the Permittee's disclosure that S-1462 will be equipped with the following deck fittings, in the number indicated in parenthesis:
access hatch (1)
automatic gauge float well (1)
roof drain (1)
adjustable roof leg (68)
slotted guide pole-sample well (1)
vacuum breaker (2)

If after construction of S-1462, the actual deck fitting type and/or count is different from what is described above, then the permit will be amended to account for these changes and the Permittee/Owner/Operator will provide additional offsets, consistent with the changes, as required by the District. (basis: cumulative increase, toxics, offsets)

B5) VOC/petroleum material other than Crude Oil or HDS Gas Oil may be throughput to or stored at S-1462, if all of the following are satisfied:

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a) the storage of each material complies with all other conditions applicable this source
b) the storage of each material complies with all other applicable regulatory requirements
c) the Permittee/Owner/Operator creates and maintains District approved records which demonstrate to the District's satisfaction that no toxin listed in Table ~~2-1-316~~2-5-1 is emitted from S-1462 in an amount in excess of the toxin's respective trigger level set forth in Table ~~2-1-316~~2-5-1. (basis: cumulative increase, toxics)

B6) On a monthly basis, the Permittee/Owner/Operator shall record the throughput of each VOC/petroleum material throughput to S-1462, in gallon or barrel units, by name (e.g., Kerosene, Crude Oil, Jet A) in a District approved log for each month and each rolling 12 consecutive month period.The District approved log shall be retained on site for not less than 5 years from date of last entry and be made available to District staff upon request. (basis: cumulative increase, toxics)

S-1463 External Floating Roof Tank, Capacity: 240,000 BBL,
Storing: Crude Oil or HDS Gas Oil

C1) Permittee/Owner/Operator shall ensure that the total throughput of all VOC/petroleum materials to S-1463 does not exceed 50,000,000 barrels (2,100,000,000 gallons) during any 12 consecutive month period. (basis: cumulative increase, toxics)

C2) Permittee/Owner/Operator shall ensure that the true vapor pressure of each and all VOC/petroleum materials throughput to and/or stored in S-1463 is less than or equal to 10 psia. (basis: cumulative increase)

C3) Permittee/Owner/Operator shall ensure that S-1463 is of welded construction, that its primary seal is a liquid mounted mechanical shoe seal, that its secondary seal is a zero gap rim mounted seal, that all roof penetrations are gasketted, that each adjustable roof leg is fitted with a vapor seal boot, that each slotted guide pole shall be equipped with a float and a wiper seal and a pole sleeve. (basis: BACT, Regulation 8-5, cumulative increase, toxics, NSPS, Regulation 10 Subpart Kb)

C4) The District's emission calculation for S-1463 is based, in part, on the Permittee's disclosure that S-1463 will be equipped with the following deck fittings, in the number indicated in parenthesis:
access hatch (1)
automatic gauge float well (1)
roof drain (1)
adjustable roof leg (80)

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guide pole-sample well (1)
vacuum breaker (2)

If after construction of S-1463, the actual deck fitting type and/or count is different from what is described above, then the permit will be amended to account for these changes and the Permittee/Owner/Operator will provide additional offsets, consistent with the changes, as required by the District. (basis: cumulative increase, toxics, offsets)

C5) VOC/petroleum material other than Crude Oil or HDS Gas Oil may be throughput to or stored at S-1463, if all of the following are satisfied:
   a) the storage of each material complies with all other conditions applicable this source
   b) the storage of each material complies with all other applicable regulatory requirements
   c) the Permittee/Owner/Operator creates and maintains District approved records which demonstrate to the District's satisfaction that no toxin listed in Table ~~2-1-316~~2-5-1 is emitted from S-1463 in an amount in excess of the toxin's respective trigger level set forth in Table ~~2-1-316~~2-5-1. (basis: cumulative increase, toxics)

C6) On a monthly basis, the Permittee/Owner/Operator shall record the throughput of each VOC/petroleum material throughput to S-1463, in gallon or barrel units, by name (e.g., Kerosene, Crude Oil, Jet A) in a District approved log for each month and each rolling 12 consecutive month period.The District approved log shall be retained on site for not less than 5 years from date of last entry and be made available to District staff upon request. (basis: cumulative increase, toxics)

S-1464 External Floating Roof Tank, Capacity: 100,000 BBL,
Storing: Jet A or Diesel or Kerosene

D1) The total throughput of all VOC/petroleum materials to S-1464 shall not exceed 10,000,000 barrels (420,000,000 gallons) during any 12 consecutive month period. (basis: cumulative increase, toxics)

D2) The true vapor pressure of each and all VOC/petroleum materials throughput to and/or stored in S-1464 shall be less than or equal to 0.2 psia. (basis: cumulative increase)

D3) The District's emission calculation for S-1464 is based, in part, on the Permittee's disclosure that S-1464 will be equipped with the following deck fittings, in the number indicated in parenthesis:
access hatch (1)
automatic gauge float well (1)
roof drain (1)

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adjustable roof leg (50)
slotted guide pole-sample well (1)
vacuum breaker (2)

If after construction of S-1464, the actual deck fitting type and/or count is different from what is described above, then the permit will be amended to account for these changes and the Permittee/Owner/Operator will provide additional offsets, consistent with the changes, as required by the District. (basis: cumulative increase, toxics, offsets)

D4) VOC/petroleum material other than Jet A or Diesel or Kerosene may be throughput to or stored at S-1464, if all of the following are satisfied:
   a) the storage of each material complies with all other conditions applicable this source
   b) the storage of each material complies with all other applicable regulatory requirements
   c) the Permittee/Owner/Operator creates and maintains District approved records which demonstrate to the District's satisfaction that no toxin listed in Table ~~2-1-316~~2-5-1 is emitted from S-1464 in an amount in excess of the toxin's respective trigger level set forth in Table ~~2-1-316~~2-5-1. (basis: cumulative increase, toxics)

D5) On a monthly basis, the Permittee/Owner/Operator shall record the throughput of each VOC/petroleum material throughput to S-1464, in gallon or barrel units, by name (e.g., Kerosene, Crude Oil, Jet A) in a District approved log for each month and each rolling 12 consecutive month period. The District approved log shall be retained on site for not less than 5 years from date of last entry and be made available to District staff upon request. (basis: cumulative increase, toxics)

S-1465 EXTERNAL FLOATING ROOF TANK, CAPACITY: 100,000 BBL, STORING: JET A OR DIESEL OR KEROSENE

E1) Permittee/Owner/Operator shall ensure that the total throughput of all VOC/petroleum materials to S-1465 does not exceed 10,000,000 barrels (420,000,000 gallons) during any 12 consecutive month period. (basis: cumulative increase, toxics)

E2) Permittee/Owner/Operator shall ensure that the true vapor pressure of each and all VOC/petroleum materials throughput to and/or stored in S-1465 is always less than or equal to 0.2 psia. (basis: cumulative increase)

E3) The District's emission calculation for S-1465 is based, in part, on the Permittee's disclosure that S-1465 will be equipped with the following deck fittings, in the number indicated in parenthesis:
access hatch (1)

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automatic gauge float well (1)
roof drain (1)
adjustable roof leg (50)
slotted guide pole-sample well (1)
vacuum breaker (2)

If after construction of S-1465, the actual deck fitting type and/or count is different from what is described above, then the permit will be amended to account for these changes and the Permittee/Owner/Operator will provide additional offsets, consistent with the changes, as required by the District. (basis: cumulative increase, toxics, offsets)

E4) VOC/petroleum material other than Jet A, Diesel, or Kerosene may be throughput to or stored at S-1465, if all of the following are satisfied:
   a) Permittee/Owner/Operator ensures that the storage of each material complies with all other conditions applicable this source
   b) Permittee/Owner/Operator shall ensure that the storage of each material complies with all other applicable regulatory requirements
   c) the Permittee/Owner/Operator creates and maintains District approved records which demonstrate to the District's satisfaction that no toxin listed in Table ~~2-1-316~~2-5-1 is emitted from S-1465 in an amount in excess of the toxin's respective trigger level set forth in Table ~~2-1-316~~2-5-1. (basis: cumulative increase, toxics)

E5) On a monthly basis, the Permittee/Owner/Operator shall record the throughput of each VOC/petroleum material throughput to S-1465, in gallon or barrel units, by name (e.g., Kerosene, Crude Oil, Jet A) in a District approved log for each month and each rolling 12 consecutive month period. The District approved log shall be retained on site for not less than 5 years from date of last entry and be made available to District staff upon request. (basis: cumulative increase, toxics)

Condition # 17837
S-817 No. 3 Crude Unit

1) Permittee/Owner/Operator shall ensure that the total throughput of all feed materials (i.e., crude oil, slop oil, etc.) to the No. 3 Crude Unit shall not exceed 63,000 barrels per calendar day. (basis: Reg. 2-1-234.3, Reg. 2-1-403, Reg. 2-6-503)

2) Permittee/Owner/Operator shall ensure that the total throughput of all feed materials to the No. 3 Crude Unit shall not exceed 22,995,000 barrels per rolling 365 consecutive day period. (basis: Reg. 2-1-234.3, Reg. 2-1-403, Reg. 2-6-503)

3) In a District approved log, the Permittee/Owner/Operator shall record the volume (in barrels) of all feed materials throughput to the No. 3 Crude Unit during each calendar day and during each rolling 365 consecutive calendar day period. The

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permittee shall retain the District approved log on site for not less than 5 years from date of last entry and the permittee shall be make the log available to the District staff upon request. (basis: Reg. 2-1-234.3, Reg. 2-1-403, Reg. 2-6-503)

Condition # 18372
Application #2209 and 16484
Plant #14628~~2758~~
Application 15682 (April, 2007) Initial establishment of NOx box parameters. Delete part 4.
Application 14752 (January 2007) S-927 modification (Part 18).
~~Parts 5 through 17 and part 24 are effective until January 1, 2005 Parts 27 through 36 are effective January 1, 2005~~

S-912 No. 12 Furnace F-12; Born, Maximum Firing Rate: 135 MMBtu/hr, No. 1 Feed Prep Unit Vacuum Residuum Feed Heater with Callidus Technologies Inc. LE-CSG-W Low NOx Burners or equivalent

S-913 No. 13 Furnace F-13; Petrochem, Vertical Cylindrical, Maximum Firing Rate: 59 MMBtu/hr, No. 2 Feed Prep Unit Vacuum Residuum Feed Heater with Callidus Technologies Inc. LE-CSG Low NOx Burners or equivalent

S-916 No. 1 HDS Charge Heater F-16; Braun, Cabin; Maximum Firing Rate: 55 MMBtu/hr with Callidus Technologies Inc. LE-CSG-W Low NOx Burners or equivalent

S-919 No. 2 HDS Charge Heater, No. 19 Furnace, Foster Wheeler, Maximum Firing Rate: 65 MMBtu/hr with Callidus Technologies Inc. LE-CSG-W Low NOx Burners or equivalent

S-920 No. 2 HDS Charge Heater, No. 20 Furnace, Foster Wheeler, Maximum Firing Rate: 63 MMBtu/hr with Callidus Technologies Inc. LE-CSG-W Low NOx Burners or equivalent

S-921 No. 2 HDS Charge Heater F-21; Foster Wheeler, Cabin; Maximum Firing Rate: 63 MMBtu/hr with Callidus Technologies Inc. LE-CSG-W Low NOx Burners or equivalent

S-922 No. 5 Gas Plant Debutanizer Reboiler F-22; Petrochem, Vertical Cylindrical; Maximum Firing Rate: 130 MMBtu/hr with Callidus Technologies Inc. LE-CSG-W Low NOx Burners or equivalent

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S-926 No. 2 Reformer Splitter Reboiler, No. 26 Furnace, Petrochem, Maximum Firing Rate: 145 MMBtu/hr with Callidus Technologies Inc. LE-CSG-W Low NOx Burners or equivalent

S-927 No. 2 Reformer Reactor Feed Preheater F-27; Lummus Multicell Cabin; Maximum Firing Rate: 280 MMBtu/hr abated by A-1431 Technip Selective Catalytic Reduction System w Hitachi Catalyst or equivalent

S-950 No. 50 Unit Crude Feed Heater F-50; Alcorn, Box; 440 MMBtu/hr abated by A-1432 Technip Selective Catalytic Reduction System w Hitachi Catalyst or equivalent

S-971 No. 3 Reformer Feed Preheater F-53; KTI, Multicell Box; Maximum Firing Rate: 300 MMBtu/hr abated by A-1433 Technip Selective Catalytic Reduction System w Hitachi Catalyst or equivalent

S-972 No. 3 Reformer Debutanizer Reboiler F-54; KTI, Vertical Cylindrical; Maximum Firing Rate: 45 MMBtu/hr abated by A-1433 Technip Selective Catalytic Reduction System w Hitachi Catalyst or equivalent

1.) Permittee/Owner/Operator shall ensure that each of S-912, S-913, S-916, S-919, S-920, S-921, S-922, S-926, S-927, S-950, S-971, and S-972 is equipped with a District approved dedicated fuel flow meter consistent with Regulation 9, Rule 10, Section 502.2. (basis: Regulation 9, Rule 10, Section 502.2)

2.) Permittee/Owner/Operator shall ensure that each of S-912, S-913, S-916, S-919, S-920, S-921, S-922, S-926, S-927, S-950, S-971, and S-972 is fired exclusively on natural gas and/or refinery fuel gas. (basis: Regulation 9, Rule10)

3.) Permittee/Owner/Operator shall ensure that the maximum firing rate of each source listed does not exceed the corresponding HHV maximum firing rate, based on an operating day average (the amount of fuel fired over each 24 hour day divided by 24:

Source (#)	**Maximum Firing Rate (HHV) (mmBtu/hr)**	**Maximum Firiing Rate (HHV) (mmBtu/yr)**
S-912	135	1,182,600
S-913	59	516,840
S-916	55	481,800
S-919	65	569,400
S-920	63	551,880
S-921	63	551,880
S-922	130	1,138,800
S-926	145	1,270,200
S-927	280	2,452,800

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S-950	440	3,854,400
S-971	300	2,628,000
S-972	45	394,200

(basis: Regulation 9, Rule 10)

4.) (Deleted: Specific NOx limits should not have been applied to S-912 and S-926, since they are both regulated under Regulation 9-10-301.) Basis: Regulation 9-10-301. ~~Permittee/Owner/Operator shall ensure that S-912 and S-926 are modified through the installation of ultra low NOx burners to achieve the NOx emission limit in the most recent NOx Compliance Plan that has been approved in writing by the District. The following limits shall be achieved on an operating day average:~~

~~**Source (#)**~~	~~**Applicable NOx Limit (lb/mmbtu)**~~
~~S-912~~	~~0.031~~
~~S-926~~	~~0.031~~

~~(basis: Regulation 9, Rule 10)~~

~~Parts 5 through 17 effective until December 1, 2004~~

5.) Deleted. Replaced with Part 30.~~Within 45 days after the start-up of ultra low NOx burners at each of S-912 S-926 Permittee/Owner/Operator shall conduct a District approved source test measuring NOx, CO, and O2 from each of S-912, S-913, S-916, S-919, S-920,~~
~~S-921, S-922, and S-926 while the source is operated under each of the following four operating conditions, (1) low firing rate and low O2, (2) low firing rate and high O2, (3) high firing rate and low O2, and (4) high firing rate and high O2. District approved source testing under these four operating scenarios will establish the "box" for each of S-912, S-913, S-916, S-919, S-920, S-921, S-922, and S-926. (basis: Regulation 9, Rule 10)~~

6.) Deleted. Replaced with Part 31.~~Based on the results of the District approved source testing defining the "box" for S-912, except for during periods of start-up or shutdown, the allowable operating range for S-912 is as follows:~~

~~A. The maximum firing rate (daily average, HHV) is XXX MMBtu/hr.~~
~~B. The minimum firing rate (daily average, HHV) is XXX MMBtu/hr.~~
~~C. The maximum O2 concentration is XXX percent, by volume.~~
~~D. The minimum O2 concentration is XXX percent, by volume.~~
~~E. Each and all of part 6 of these conditions (including part 6A, 6B, 6C, and 6D) shall become effective June 1, 2004. (basis: Regulation 9, Rule 10)~~

7.) Deleted. Replaced with Part 31.~~Based on the results of the District approved source testing defining the "box" for S-913, except for during periods of start-up or shutdown, the allowable operating range for S-913 is as follows:~~

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~~A. The maximum firing rate (daily average, HHV) is XXX MMBtu/hr.~~
~~B. The minimum firing rate (daily average, HHV) is XXX MMBtu/hr.~~
~~C. The maximum O2 concentration is XXX percent, by volume.~~
~~D. The minimum O2 concentration is XXX percent, by volume.~~
~~E. Each and all of part 7 of these conditions (including part 7A, 7B, 7C, and 7D) shall become effective June 1, 2004. (basis: Regulation 9, Rule 10)~~

8.) Deleted. Replaced with Part 31.~~Based on the results of the District approved source testing defining the "box" for S-916, except for during periods of start-up or shutdown, the allowable operating range for S-916 is as follows:~~
~~A. The maximum firing rate (daily average, HHV) is XXX MMBtu/hr.~~
~~B. The minimum firing rate (daily average, HHV) is XXX MMBtu/hr.~~
~~C. The maximum O2 concentration is XXX percent, by volume.~~
~~D. The minimum O2 concentration is XXX percent, by volume.~~
~~E. Each and all of part 8 of these conditions (including part 8A, 8B, 8C, and 8D) shall become effective June 1, 2004. (basis: Regulation 9, Rule 10)~~

9.) Deleted. Replaced with Part 31.~~Based on the results of the District approved source testing defining the "box" for S-919, except for during periods of start-up or shutdown, the allowable operating range for S-919 is as follows:~~
~~A. The maximum firing rate (daily average, HHV) is XXX MMBtu/hr.~~
~~B. The minimum firing rate (daily average, HHV) is XXX MMBtu/hr.~~
~~C. The maximum O2 concentration is XXX percent, by volume.~~
~~D. The minimum O2 concentration is XXX percent, by volume.~~
~~E. Each and all of part 9 of these conditions (including part 9A, 9B, 9C, and 9D) shall become effective June 1, 2004. (basis: Regulation 9, Rule 10)~~

10.) Deleted. Replaced with Part 31.~~Based on the results of the District approved source testing defining the "box" for S-920, except for during periods of start-up or shutdown, the allowable operating range for S-920 is as follows:~~
~~A. The maximum firing rate (daily average, HHV) is XXX MMBtu/hr.~~
~~B. The minimum firing rate (daily average, HHV) is XXX MMBtu/hr.~~
~~C. The maximum O2 concentration is XXX percent, by volume.~~
~~D. The minimum O2 concentration is XXX percent, by volume.~~
~~E. Each and all of part 10 of these conditions (including part 10A, 10B, 10C, and 10D) shall become effective June 1, 2004. (basis: Regulation 9, Rule 10)~~

11.) Deleted. S-921 is out of service. If returned to service, this part will be replaced with Part 31.~~Based on the results of the District approved source testing defining the "box" for S-921, except for during periods of start-up or shutdown, the allowable operating range for S-921 is as follows:~~
~~A. The maximum firing rate (daily average, HHV) is XXX MMBtu/hr.~~
~~B. The minimum firing rate (daily average, HHV) is XXX MMBtu/hr.~~
~~C. The maximum O2 concentration is XXX percent, by volume.~~
~~D. The minimum O2 concentration is XXX percent, by volume.~~

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~~E. Each and all of part 11 of these conditions (including part 11A, 11B, 11C, and 11D) shall become effective June 1, 2004. (basis: Regulation 9, Rule 10)~~

12.) Deleted. NOx CEM installed on S-922.~~Based on the results of the District approved source testing defining the "box" for S-922, except for during periods of start-up or shutdown, the allowable operating range for S-922 is as follows:~~
~~A. The maximum firing rate (daily average, HHV) is XXX MMBtu/hr.~~
~~B. The minimum firing rate (daily average, HHV) is XXX MMBtu/hr.~~
~~C. The maximum O2 concentration is XXX percent, by volume.~~
~~D. The minimum O2 concentration is XXX percent, by volume.~~
~~E. Each and all of part 12 of these conditions (including part 12A, 12B, 12C, and 12D) shall become effective June 1, 2004. (basis: Regulation 9, Rule 10)~~

13.) Deleted. Replaced with Part 31.~~Based on the results of the District approved source testing defining the "box" for S-926, except for during periods of start-up or shutdown, theallowable operating range for S-926 is as follows:~~
~~A. The maximum firing rate (daily average, HHV) is XXX MMBtu/hr.~~
~~B. The minimum firing rate (daily average, HHV) is XXX MMBtu/hr.~~
~~C. The maximum O2 concentration is XXX percent, by volume.~~
~~D. The minimum O2 concentration is XXX percent, by volume.~~
~~E. Each and all of part 13 of these conditions (including part 13A, 13B, 13C, and 13D) shall become effective June 1, 2004. (basis: Regulation 9, Rule 10)~~

14.) Deleted. Replaced with Part 33.~~After the completion of the initial source testing used to determine the "box" for each of S-912, S-913, S-916, S-919, S-920, S-921, S-922, and S-926, two District approved source tests shall be conducted for each of S-912, S-913, S-916, S-919, S-920S-922, and S-926 each calendar year. The source tests shall measure NOx, CO, and O2. For each of S-912, S-913, S-916, S-919, S-920, S-921, S-922, and S-926, the time interval between each of the two tests shall not be longer than 8 months. For each of S-912, S-913, S-916, S-919, S-920, S-921, S-922, and S-926, the source test shall be conducted at the as-found firing rate, within 20% of the permitted O2 conditions likely to maximize NOx emissions.
(basis: Regulation 9, Rule 10)~~

15.) Deleted. Replaced with Part 33.~~Not more than 30 days after the date upon which each source test is completed, two identical copies of the results of the source test shall be received by the District with one copy addressed to the District's Source Test Manager and the other addressed to the District's Engineering Division.
(basis: Regulation 9, Rule 10)~~

16.) Deleted. Replaced with Part 34.~~For each of S-912, S-913, S-916, S-919, S-920, S-921 , S-922, and S-926, if the results of any District approved source test indicates CO emissions greater than or equal to 200 ppmv, dry, corrected to 3~~

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~~percent oxygen, then Permittee/Owner/Operator shall ensure that the subsequent two source tests conducted on that source are conducted at the as-found firing rate under conditions likely to maximize CO emissions. (basis: Regulation 9, Rule 10)~~

17.) Deleted. Replaced with Part 35.~~For each of S-912, S-913, S-916, S-919, S-920, S-921, S-922, and S-926, if the results of two or more of the District approved source tests for the source conducted over any 5-year period demonstrates that CO emissions from the source are greater than 200 ppmv, dry, corrected to at 3% oxygen, then Permittee/Owner/Operator shall install and continuously operate a District approved CO CEM on that source. The Permittee/Owner/Operator shall install and continuously operate the District approved CO CEM within the time allowed as set forth in the District's Manual of Procedures. (basis: Regulation 9, Rule 10)~~

18.) Combustion exhaust from S-927 shall be ducted to and continuously abated by A-1431 whenever a fuel is fired at S-927, except startup and shutdown as defined by Regulation 9-10-218 and on a temporary basis for catalyst regeneration at S-1004 No. 2 Catalytic Reformer. ~~and t~~The exhaust gasses from S-927 and A-1431 shall be measured by a District approved CEM that continuously monitors and records the emission rate of NOx, CO, and O2 in the exhaust gasses, including periods when S-927 is operated without SCR abatement. (basis: Regulation 9, Rule 10)

19.) Combustion exhaust from S-950 shall be ducted to and continuously abated by A-1432 whenever a fuel is fired at S-950 and the exhaust gasses from A-1432 shall be measured by a District approved CEM that continuously monitors and records the emission rate of NOx, CO, and O2 in the exhaust gasses. (basis: Regulation 9, Rule 10)

20.) Combustion exhaust from S-971 shall be ducted to and continuously abated by A-1433 whenever a fuel is fired at S-971 and the exhaust gasses from A-1433 shall be measured by a District approved CEM that continuously monitors and records the emission rate of NOx, CO, and O2 in the exhaust gasses. (basis: Regulation 9, Rule 10)

21.) Combustion exhaust from S-972 shall be ducted to and continuously abated by A-1433 whenever a fuel is fired at S-972 and the exhaust gasses from A-1433 shall be measured by a District approved CEM that continuously monitors and records the emission rate of NOx, CO, and O2 in the exhaust gasses. Part 21 of these conditions shall not take effect until Permittee/Owner/Operator exersizes the portion of Authority to Construct #2209 authorizing the abatement of S-972 with A-1433. (basis: Regulation 9, Rule 10)

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22.) For each of S-927, S-950, S-971, and S-927, ammonia slip from the SCR system abating the source shall not exceed 20 ppmv, dry, corrected to 3% oxygen. (basis: toxics)

23.) For each of S-912, S-913, S-916, S-919, S-920, S-921, S-922, S-926, S-927, S-950, S-971, and S-972, records shall be kept as required by Regulation 9, Rule 10, Section 504, except that the records shall be retained on site and be made available to the District staff for a period of at least 5 years from date of last entry. (basis: Regulation 9, Rule 10)

Part 24 effective until January 1, 2005

24.) For each of S-912, S-913, S-916, S-919, S-920, S-921, S-922, and S-926, Permittee/Owner/Operator shall record in a District approved log, the time and date of each District approved source test conducted for each source. The log shall be maintained on site and be made available to the District staff on request for at least 5 years from date of last entry. (basis: Regulation 9, Rule 10)

25.) In a District approved log (or logs), for each of S-912, S-913, S-916, S-919, S-920, S-921, S-922, and S-926, Permittee/Owner/Operator shall record the fuel use during each day at each source based on the fuel's (HHV). Permittee/Owner/Operator shall ensure that the log(s) is(are) maintained on site for at least 5 years from date of last entry and that the log(s) is (are) made available to the District staff upon request.
(basis: cumulative increase)

26.) The No. 6 Boiler (S904) serves as the emergency backup to No. 5 Boiler (S903). During this unusual mode of operation, the No. 6 Boiler is subject to the limits specified in Regulation 9-10-304 for CO Boilers and is considered "out of service" since it acting as the No. 5 Boiler. The historic average, described in Regulation 9-10-301.2 for No. 6 Boiler, will be used for compliance with the 0.033 lb/MMBTU refinery-wide average standard while No. 6 Boiler is operated in CO Boiler mode. (basis: cumulative increase)

Parts 27 through 36 are effective January 1, 2005

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

S#	Description	CEM (Y/N)
S908	No. 3 Crude Heater	Y
S909	No. 1 Feed Prep Heater (F9)	N
S912	No. 1 Feed Prep Heater (F12)	N
S913	No. 2 Feed Prep Heater (F13)	N
S915	Platformer Intermediate Heater (F15)	N
S916	No. 1 HDS Heater (F16)	N

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S917	No. 1 HDS Prefract Reboiler (F17)	N
S919	No. 2 HDS Heater (F19)	N
S920	No. 2 HDS Heater (F20)	N
S921	No. 2 HDS Heater (F21) (out of service)	N
S922	No. 5 Gas Plant Debutanizer Reboiler	Y~~N~~
S924	Coker Anit-Coking Superheater (F24)	N
S926	No.2 Reformer Splitter Reboiler (F26)	N
S927	No. 2 Reformer Feed Preheater (F27) & A1431	Y
S928	HDN Reactor A Heater (F28)	N
S929	HDN Reactor B Heater (F29)	N
S930	HDN Reacator C Heater (F30)	N
S931	Hydrocracker Reactor 1 Heater (F31)	N
S932	Hydrocracker Reactor 2 Heater (F32)	N
S933	Hydrocracker Reactor 3 Heater (F33)	N
S934	Hydrocracker Stabilizer Reboiler (F34)	Y~~N~~
S935	Hydrocracker Splitter Reboiler (F35)	Y~~N~~
S937	Hydrogen Plant Heater (F37)	Y
S950	No. 50 Unit Curde Feed Heater (F50) & A1432	Y
S951	No. 2 Reformer Aux Reheater (F51)	N
S971	No. 3 Reformer Feed Preheater (F53) & A1433	Y
S972	No. 3 Reformer Dubtanizer Reboiler (F54) & A1433	Y
S973	No. 3 HDS Recycle Gas Heater (F55)	Y
S974	No. 3 HDS Fract Feed Heater (F56)	Y

~~*~~28. The owner/operator of each source with a maximum firing rate greater than 25 MMBtu/hr listed in Part 27 shall properly install, properly maintain, and properly operate an O2 monitor and recorder. ~~This Part shall be effective September 1, 2004.~~ (Regulation 9-10-502)

~~*~~29. The owner/operator shall operate each source listed in Part 27, which does not have a NOx CEM within specified ranges of operating conditions (firing rate and oxygen content) as detailed in Part 31. The ranges shall be established by utilizing data from district-approved source tests. (Reg. 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 30.

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. There shall be no maximum or minimum O_2.

~~*~~30. The owner/operator shall establish the initial NOx box for each source subject to Part 29 by Janaury 1, 2005 . The NOx Box may consist of two operating ranges in order to allow for operating flexibility and to encourage emission minimization

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during standard operation. (Regulation 9-10-502) The procedure for establishing the NOx box is

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

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

C. Determine the highest 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 31a 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 31.

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.

*31. Except as provided in part 31B & 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. (Regulation 9-10-502)

A. NOx Box ranges

Source No.	|Emission Factor (lb/MMBtu)	Min O2 at Low Firing (O2% , MMBtu/hr)	Max O2 at Low Firing (O2% , MMBtu/hr)	Min O2 at High Firing (O2% , MMBtu/hr)	Mid O2 at Mid/High Firing (polygon) (O2% , MMBtu/hr)	Max O2 at High Firing (O2% , MMBtu/hr)

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Source No.	|Emission Factor (lb/MMBtu)	Min O2 at Low Firing (O2% , MMBtu/hr)	Max O2 at Low Firing (O2% , MMBtu/hr)	Min O2 at High Firing (O2% , MMBtu/hr)	Mid O2 at Mid/High Firing (polygon) (O2% , MMBtu/hr)	Max O2 at High Firing (O2% , MMBtu/hr)
909	0.146~~tbd~~	5.6, 53.71~~tbd~~	9.6, 41.41~~tbd~~	2.1, 83.60~~tbd~~	3.1, 67.35~~tbd~~	5.7, 76.49~~tbd~~
	0.148	9.6, 41.41	11.2, 61.81	2.1, 83.60	5.7, 76.49	7.3, 79.58
912	0.027~~tbd~~	2.1, 60.50~~tbd~~	3.4, 70.10~~tbd~~	1.9, 101.51~~tbd~~	4.0, 104.13~~tbd~~	5.4, 100.24~~tbd~~
	0.034	2.1, 60.50	7.0, 57.57	5.4, 100.24	3.4, 70.10	6.5, 99.68
913	0.027~~tbd~~	1.2, 19.89~~tbd~~	3.0, 14.80~~tbd~~	1.3, 30.33~~tbd~~	2.1, 15.53~~tbd~~	4.1, 25.71~~tbd~~
915	0.143~~tbd~~	0, 3.85~~tbd~~	8.0, 3.85~~tbd~~	0, 20.00~~tbd~~	N/A~~tbd~~	8.0, 20.00~~tbd~~
	0.098	8.0, 3.85	>8.0, 3.85	8.0, 20.00	N/A	>8.0, 20.00
916	0.088~~tbd~~	5.7, 9.53~~tbd~~	9.3, 9.17~~tbd~~	5.4, 30.00~~tbd~~	N/A~~tbd~~	9.1, 34.05~~tbd~~
	0.099	9.3, 9.17	10.6, 24.64	9.1, 34.05	N/A	10.4, 33.11
917	0.061~~tbd~~	0, 3.60~~tbd~~	-, 3.6~~tbd~~	0, 18.00~~tbd~~	N/A~~tbd~~	-, 18.00~~tbd~~
919	0.047~~tbd~~	3.9, 23.30~~tbd~~	8.3, 22.06~~tbd~~	5.8, 48.20~~tbd~~	9.2, 39.12~~tbd~~	10.1, 47.20~~tbd~~
	0.056	8.3, 22.06	9.5, 21.10	9.2, 39.12	N/A	10.1, 47.20
920	0.046~~tbd~~	5.0, 24.84~~tbd~~	7.7, 17.86~~tbd~~	5.8, 40.77~~tbd~~	7.1, 15.34~~tbd~~	7.3, 42.64~~tbd~~
	0.055	7.7, 17.86	10.8, 27.53	7.3, 42.64	N/A	10.0, 45.15
~~921~~	~~tbd~~	~~tbd~~	~~tbd~~	~~tbd~~	~~tbd~~	~~tbd~~
~~922~~	~~tbd~~	~~tbd~~	~~tbd~~	~~tbd~~	~~tbd~~	~~tbd~~
924	0.106~~tbd~~	0.0, 3.20~~tbd~~	-, 3.20~~tbd~~	0.0, 16.00~~tbd~~	N/A~~tbd~~	-, 16.00~~tbd~~
926	0.032~~tbd~~	1.8, 32.81~~tbd~~	6.0, 40.89~~tbd~~	2.9, 126.72~~tbd~~	4.4, 32.81~~tbd~~	3.9, 131.59~~tbd~~
	0.037	6.0, 40.89	7.0, 77.89	3.9, 131.59	N/A	4.2, 122.33
928	0.044~~tbd~~	0.0, 4.00~~tbd~~	< 6.0, 4.00~~tbd~~	0.0, 20.00~~tbd~~	N/A~~tbd~~	< 6.0, 20.00~~tbd~~
	0.073	6.0, 4.00	> 6.0, 4.00	6.0, 20.00	N/A	> 6.0, 20.00
929	0.024~~tbd~~	0.0, 4.00~~tbd~~	< 6.0, 4.00~~tbd~~	0.0, 20.00~~tbd~~	N/A~~tbd~~	< 6.0, 20.00~~tbd~~
	0.087	6.0, 4.00	> 6.0, 4.00	6.0, 20.00	N/A	> 6.0, 20.00
930	0.033~~tbd~~	0.0, 4.00~~tbd~~	< 6.0, 4.00~~tbd~~	0.0, 20.00~~tbd~~	N/A~~tbd~~	< 6.0, 20.00~~tbd~~
	0.077	6.0, 4.00	> 6.0, 4.00	6.0, 20.00	N/A	> 6.0, 20.00
931	0.034~~tbd~~	0.0, 4.00~~tbd~~	< 9.0, 4.00~~tbd~~	0.0, 20.00~~tbd~~	N/A~~tbd~~	< 9.0, 20.00~~tbd~~
	0.073	9.0, 4.00	> 9.0, 4.00	9.0, 20.00	N/A	> 9.0, 20.00
932	0.037~~tbd~~	0.0, 4.00~~tbd~~	< 4.0, 4.00~~tbd~~	0.0, 20.00~~tbd~~	N/A~~tbd~~	< 4.0, 20.00~~tbd~~

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Source No.	|Emission Factor (lb/MMBtu)	Min O2 at Low Firing (O2% , MMBtu/hr)	Max O2 at Low Firing (O2% , MMBtu/hr)	Min O2 at High Firing (O2% , MMBtu/hr)	Mid O2 at Mid/High Firing (polygon) (O2% , MMBtu/hr)	Max O2 at High Firing (O2% , MMBtu/hr)
	0.053	4.0, 4.00	> 4.0, 4.00	4.0, 20.00	N/A	> 4.0, 20.00
933	0.035~~tbd~~	0.0, 4.00~~tbd~~	< 5.0, 4.00~~tbd~~	0.0, 20.00~~tbd~~	N/A~~tbd~~	< 5.0, 20.00~~tbd~~
	0.050	5.0, 4.00	>5.0, 4.00	5.0, 20.00	N/A	> 5.0, 20.00
~~934~~	~~tbd~~	~~tbd~~	~~tbd~~	~~tbd~~	~~tbd~~	~~tbd~~
~~935~~	~~tbd~~	~~tbd~~	~~tbd~~	~~tbd~~	~~tbd~~	~~tbd~~
951	0.111~~tbd~~	5.2, 2.68~~tbd~~	12.1, 0.78~~tbd~~	5.0, 10.42~~tbd~~	4.2, 7.78~~tbd~~	10.4, 10.19~~tbd~~
	0.175	12.1, 0.78	13.6, 1.73	10.4, 10.19	N/A	13.5, 2.61

The limits listed above are based on a calendar day averaging period for both firing rate and O2%.

B. Part 31A. 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 dryout, 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 31A. does not apply during any source test required or permitted by this condition. (Reg. 9-10-502). See Part 33 for the consequences of source test results that exceed the emission factors in Part 31.

~~*~~32. NOx Box Deviations (Regulation 9-10-502)

A. The owner/operator may deviate from the NOx Box (either the firing rate or oxygen limit) provided that the owner/operator conducts a district approved source test which 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 31, or the CO limit in Part 35, the unit will not be considered to be in violation during this period for operating out of the "box."

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a. 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 measured emission concentration or rate, the owner/operator shall perform an assessment, retroactive to the date of the previous source test, of compliance with Section 9-10-301. The unit will be considered to have been in violation of 9-10-301 for each day the facility was operated in excess of the refinery wide limit.

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.

*33. For each source subject to Part 29, 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. (Reg.9-10-502)

A. Source Testing Schedule

1. Heater < 25 MMBtu/hr

One source test per consecutive 12 month period. The time interval between source tests shall not exceed 16 months.

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

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months apart. The source test results shall be submitted to the district source test manager within 45 days of the test. (Reg.9-10-502)

3. If a source has been shutdown longer than the period allowed between source testing periods (e.g. <25 MMBtu/hr-> 12 mos or > 25 MMBtu/hr - > 8 mos), the owner/operator shall conduct the required semi-annual 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 32A2 If the owner/operator chooses not to submit an application to revise the emission factor, the owner/operator shall conduct another Part 33 source test, at the same conditions, within 90 days of the initial test.

*34. For each source listed in Part 27 with a NOx CEM installed, 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. (Regulation 9-10-502, 1-522)

*35. For any source listed in Part 27 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. (Regulation 9-10-502, 1-522)

*36. In addition to records required by 9-10-504, the facility must maintain records of all source tests conducted to demonstrate compliance with Parts number 27 and 31. 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. (Recordkeeping, Regulation 9-10-504)

Condition # 18379
Application #3180
Plant #12758

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S-940 Industrial Boiler; #1 Boiler @ 4 Boiler House, Maximum Firing Rate: 150 MMBtu/hr

1.) The emission reductions quantified pursuant to banking application #3180 granted for the permanent closure of S-940 shall only be used to offset emission increases occurring at the Avon refinery located at 150 Solano Way in Martinez, California and may be used for no other purpose. (basis: Regulation 2, Rule 4, Section 302.1)

Condition # 18435

S-975 No. 4 Gas Plant Cooling Tower; Marley, 13-24A, with 4 Pumps, Total Maximum Capacity: 4,140,000 Gallons/Hr (Permitted Maximum Operating Capacity: 4,140,000 Gallons/Hr)

1. Permittee/Owner/Operator shall ensure that the total cooling tower water recirculation rate at S-975 does not exceed 4,140,000 gallons per hour or 69,000 gallons per minute. (basis: cumulative increase, offsets, BACT)

2. Within 30 days after start-up of S-975 pursuant to Authority to Construct #3076, Permittee/Owner/Operator shall conduct District approved testing to measure the actual recirculation cooling tower water flow rate at S-975. Permittee/Owner/ Operator shall provide the test data and the test results to the District's Engineering Division within 30 days after the date of the District approved testing. (basis: cumulative increase, offsets, BACT)

3. Effective June 1, 2004, at least once each month, Permittee/Owner/Operator shall ensure that the actual total cooling tower water circulation flow rate at S-975 is measured by a third party using District approved methodology. Permittee/Owner/ Operator shall provide the test data and the test results to the District's Engineering Division within 30 days after the date of the testing.

(basis: cumulative increase, offsets, BACT)

Condition # 18539

S-908 Furnace F8; No. 3 Crude Heater, Alco, Maximum Firing Rate: 220 MMBtu/hr, Refinery Fuel Gas, Natural Gas abated by A-908 Selective Catalytic Reduction System

S-1470 Furnace F-71; No. 3 Crude Vacuum Distillation Column Feed Heater, Maximum Firing Rate: 30 MMBtu/hr with low NOx burners and abated by A-908 Selective Catalytic Reduction System

1) Permittee/Owner/Operator shall ensure that S-1470 is fired exclusively on natural gas or refinery fuel gas. (basis: cumulative increase, toxics)

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2) Permittee/Owner/Operator shall ensure that S-1470 is not be operated unless it is equipped with a District approved, fuel flow meter that measures the volume of fuel throughput to S-1470 in units of standard cubic feet. (basis: cumulative increase)

3A) Permittee/Owner/Operator shall ensure that no refinery fuel gas is fired at S-1470 until a District approved calorimeter is installed and operating at S-1470. Until the District approved calorimeter is installed and operating at S-1470, natural gas shall be the only fuel fired at S-1470. Until the instance when a fuel other than only natural gas is first fired at S-1470, there is no requirement for the Permittee/Owner/Operator to sample the natural gas fired at S-1470 to determine its BTU content. (basis: BACT, cumulative increase, offsets, toxics)

3B) Permittee/Owner/Operator shall ensure that once refinery fuel gas is first fired at S-1470 and thereafter, all gaseous fuel fired at S-1470 shall be analyzed using a District approved calorimeter and the results of the analyses shall be recorded using a District approved data logging system. At least 4 times each hour, the calorimeter and data logging system shall measure and record the heating value of the gaseous fuel fired at S-1470 in British thermal units per standard cubic foot of fuel. (basis: BACT, cumulative increase, offsets, toxics)

4) Permittee/Owner/Operator shall ensure that the total reduced sulfur content of gaseous fuel fired at S-1470 does not exceed 35 ppmv, based on a rolling 365 day average. (basis: cumulative increase, BACT, offsets)

5) Permittee/Owner/Operator shall ensure that the total reduced sulfur content of the fuel gas fired at S-1470 does not exceed 100 ppmv, based on a rolling 24 hour average. (basis: BACT)

6) When firing refinery fuel gas, Permittee/Owner/Operator of S-1470 shall operate a District approved device that at least four times per hour, samples the fuel gas to be fired at S-1470 and in ppmv units, measures and records the total reduced sulfur content of the fuel gas. These measurements and recordings shall disclose the rolling 24 hour average value of the total reduced sulfur concentration in the fuel gas in ppmv units as well as the the value of total reduced sulfur concentration in the fuel gas, based on a rolling 365 day average. (basis: BACT)

7) When firing refinery fuel gas, at least four times per hour, Permittee/Owner/Operator shall measure and record the total reduced sulfur content of the fuel gas fired at S-1470, in ppmv units. (basis: BACT)

8) Permittee/Owner/Operator shall ensure that S-1470 is not be operated unless it is equipped with a District approved continuous emissions monitoring device that

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continuously measures and records the concentration of nitrogen oxides, in ppmv units, in the combustion exhaust from S-1470 and S-908, corrected to 3 ppmv, dry, and the device must measure and record the oxygen concentration of the combustion exhaust from S-1470 and S-908. (basis: cumulative increase, BACT, offsets)

9) Permittee/Owner/Operator shall ensure that the total fuel use at S-1470 does not exceed 262,800 MMBTU during any rolling 12 consecutive month period. basis: cumulative increase, toxics, offsets)

10) Permittee/Owner/Operator shall ensure that NOx emissions from S-1470 do not exceed 10 ppmv, dry, at 3% oxygen, based on a three hour average. (basis: BACT, cumulative increase, offsets)

11) Permittee/Owner/Operator shall ensure that CO emissions from S-1470 do not exceed 50 ppmv, dry, at 3% oxygen. (basis: BACT, cumulative increase, offsets)

12) Permittee/Owner/Operator shall ensure that POC emissions from S-1470 do not exceed 0.683 ton per rolling consecutive 12 month period. (basis: cumulative increase, offsets)

13) Permittee/Owner/Operator shall ensure that PM-10 emissions from S-1470 do not exceed 0.946 ton per rolling consecutive 12 month period. (basis: cumulative increase, offsets)

14) Permittee/Owner/Operator shall ensure that SO2 emissions from S-1470 do not exceed 1.793 ton per rolling consecutive 12 month period. basis: cumulative increase, BACT, offsets)

15) Permittee/Owner/Operator shall ensure that ensure that S-1470 is abated by A-908 at all times that a fuel is fired at S-1470 except for 144 hours during any rolling 12 consecutive month period. The 144 hours is for start-up of S-1470. At all times other than the 144 hours per 12 consecutive month period, while a fuel is fired at
S-1470, S-1470 shall be abated by A-908 and there shall be ammonia injection at A-908. (basis: BACT)

16) Permittee/Owner/Operator shall ensure that ammonia slip from A-908 does not exceed 20 ppmv, dry, at 3% oxygen. (basis: toxics)

17) Permittee/Owner/Operator shall conduct a District approved source test of S-1470 within 30 days after the first date that fuel is first fired at S-1470. The District approved source test shall measure the emission rate of NOx, CO, POC, SO2, and PM-10 from S-1470 while it is operated at or near its maximum firing rate. For

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POC, EPA Method 25 A shall be used, for PM-10 CARB Method 501 shall be used. Permittee/Owner/Operator shall ensure that within 30 days of the date of completion of the source test, two identical copies of the results of the source test, each referencing permit application #2813 and plant #12758 are received by the District, that one copy is addressed to the District's Source Test Manager, and that the other copy is addressed the District's Engineering Division.
(basis: cumulative increase, offsets)

17A) At least once per calendar year, Permittee/Owner/Operator shall ensure that a District approved source test is conducted for S-1470 measuring its CO emission rate and that the testing is done in compliance with the District's Manual of Procedures. Permittee/Owner/Operator shall ensure that the first District approved source for S-1470 is completed pursuant to condition 18539 part 17A no later than January 31, 2005. (basis: Regulation 2-1-403; Regulation 9-10)

17B) Permittee/Owner/Operator shall ensure that within 45 days of the date of completion of the (each) District approved source test required by condition 18539 part 17A, two identical copies of the results of the source test, each referencing S1470, condition 18539 part 17A and part 17B, and plant #12758 are received by the District and that both copies are addressed to the District's Engineering Division.
(basis: Regulation 2-1-403; Regulation 9-10)

18) In a District approved log, Permittee/Owner/Operator shall record, for S-1470 and S-908, the amount of each fuel fired at each source, the Btu value of the fuel fired at each source, the concentration of nitrogen oxides in the exhaust from S-1470 and
S-908, the oxygen content in the combustion exhaust from S-1470 and S-908.
For the fuel gas fired at S-1470, Permittee/Owner/Operator shall record the total reduced sulfur content and hydrogen sulfide content, sampled 4 times each hour, averaged over each 365 consecutive day period and averaged over each 24 consecutive hour period. The log shall be retained on site for at least 5 years from date of last entry, and shall be made available to the District staff upon request
(basis: cumulative increase, offsets)

18A.) Permittee/Owner/Operator shall ensure that the maximum firing rate of S908 does not exceed the 1,927,200 MMBtu/yr based on the HHV of each fuel fired, during every 365 consecutive day period:
(basis: cumulative increase)

19) Permittee/Owner/Operator shall ensure that neither S-906 nor S-907 is operated after the start-up of S-1470. S-906 and S-907 shall be treated as new sources as defined in Regulation 2 Rule 2, if either is operated after any fuel is fired at S-1470. S-906 and/or S-907 shall not be operated concurrently with S-1470.

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(basis: offsets)

20) If, based on District approved source test results, emissions from S-1470 exceed permitted and/or offset emission levels, Permittee/Owner/Operator shall provide additional District approved emission reduction credits to the District in the amount and of the type determined by the District to be due.
(basis: offsets)

Condition 18946

S-1469 Emergency Standby Engine: Diesel Engine, Make: Cummins, Model: NTA-855-C, Power Rating: 400 HP.
S-1477 Emergency Standby Engine: Diesel Engine, Make: Cummins, Model: NHC 4 B1, Power Rating: 110 HP.
S-1471 Emergency Standby Engine: Diesel Engine, Make: Cummins, Model: N 855 P 235, Power Rating: 130 HP.
S-1472 Emergency Standby Engine: Diesel Engine, Make: Caterpillar, Model: 3406 B D1, Power Rating: 430 HP.
S-1486 Emergency Standby Engine: Diesel Engine, Make: Cummins, Model: HR1PS, Power Rating: 225 HP.
S-1474 Emergency Standby Engine: Diesel Engine, Make: Cummins, Model: NT 855 P335, Power Rating: 335 HP.

1. Hours of Operation: The emergency standby engines (S- 1469, S-1477, S-1471, S-1472, S-1486, S-1474) shall only be operated to mitigate emergency conditions or for reliability-related activities. Operation while mitigating emergency conditions is unlimited. Operation for reliability-related activities is unlimited for S- 1477, S-1471, and S-1486 and limited to 100 hours per any calendar year for S-1469, S-1472, and S-1474.
[Basis: Reg. 9-8-330; 9-8-331]

2. "Emergency Conditions" is defined as any of the following: [Basis: Reg. 9-8-231]
a. Loss of regular natural gas supply.
b. Failure of regular electric power supply.
c. Flood mitigation.
d. Sewage overflow mitigation.
e. Fire.
f. Failure of a primary motor, but only for such time as needed to repair or replace the primary motor.

3. "Reliability-related activities" is defined as any of the following: [Basis: Reg. 9-8-232]

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a. Operation of an emergency standby engine to test its ability to perform for an emergency use, or
b. Operation of an emergency standby engine during maintenance of a primary motor.

4. The emergency standby engine shall be equipped with either: [Basis: Reg. 9-8-530]
a. a non-resettable totalizing meter that measures and records the hours of operation for the engine.
b. a non-resettable fuel usage meter.

5. Records: The following monthly records shall be maintained in a District-approved log for at least 2 years and shall be made available for District inspection upon request: [Basis: Reg. 9-8-530, 1-441]
a. Hours of operation (total).
b. Hours of operation (emergency)
c. For each emergency, the nature of the emergency condition.

Condition 18947

S-1475 Portable Emergency Standby Engine: Diesel Engine, Make: Caterpillar, Model: 3408 DI, Power Rating: 503 HP.
S-1476 Portable Emergency Standby Engine: Diesel Engine, Make: Caterpillar, Model: 3408 DI, Power Rating: 503 HP.

Portable Equipment Requirements
1. This mobile equipment shall operate at all time in conformance with the eligibility requirements set forth in BAAQMD Regulation 2-1-220 for portable equipment. [Portable Eligibility Requirements]

2. If the portable equipment remains at any fixed location in the Bay Area Air Basin for more than 12 months, the portable permit will automatically revert to a conventional permanent location BAAQMD permit and will lose its portability. [Portable Eligibility Residence Time Requirement]

3. Any violation of Condition #1 shall be reported to the Director of the Compliance and Enforcement Division no later than two business days after the incidence. In addition, any loss of portability per condition #2 shall be reported to the Director of the Compliance and Enforcement Division no later than 30 days after the loss of its portability. [Compliance Verification]

Throughput Limitations
4. The portable diesel engines shall not consume more than 1315 gallons of diesel fuel during any consecutive 12- month period. [Cumulative Increase]

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5. The portable diesel engines shall not operate for more than the 50 hours during any consecutive 12-month period. [Cumulative Increase]

Regulatory Compliance Requirement

6. Sources 1475 and 1476 shall only fire on diesel fuel containing less than 0.5% by weight sulfur. [Regulation 9-1; toxics]

7. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than 3 minutes in any one hour that is as dark or darker than ~~Ringlemann~~Ringelmann 1 or equivalent to 20% opacity. [Regulation 6]

8. Operation of Sources 1475 and 1476 shall not emit emissions in sufficient quantities as to cause a public nuisance under Regulation 1-301. [Regulation 1-301]

9. S-1475 and S-1476 shall not be operated within 1,000 feet of a school. To operate within 1,000 feet of a school, the Permit Holder must submit an application to the District so that proper notification of your intended operation can be made known to the affected public in advance of any usage of the equipment. [Regulation 2-1-412]

Recordkeeping Requirements

10. The following records shall be kept in a District approved logbook and retained for a period of at least two years following the date of entry. The log shall be kept with the equipment and made available to District staff upon request. [Recordkeeping]

a. Weekly hours of operation and fuel usage for S-1475 and S-1476.
b. Hours of operation and fuel usage shall be totaled on a monthly basis.

Reporting Requirements

11. The Permit Holder shall notify the District, in writing, at least 3 days in advance, of the new location in which they intend to operate. The notification shall include: [Reporting]

a. Brief description of the general nature of the operation.
b. The estimated duration of the operation at this site.
c. The name and phone number of a contact person where the equipment will be operated.

12. Within 30 days after the end of every calendar year, the applicant shall provide a year-end summary showing the following information: [Reporting]

a. The location(s) at which the equipment was operated including the dates operated at each location.

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b. The total amount hours of operation and fuel used by S-1475 and S-1476 for the previous 12 months.

COND# 19197 ----------

Application #2298

S-1473 Pressurized Storage Tank; Storing: Ethyl Mercaptan Odorant, Capacity: 1000 gallons abated by A-14 Vapor Recovery System

1. S-1473 shall be abated by A-14 at all times that emissions from S-1473 are not controlled by the ethyl mercaptan delivery vessel's vapor balance system.
(basis: cumulative increase)

2. The total throughput of ethyl mercaptan odorant to S-1473 shall not exceed 3000 gallons during any rolling 12 consecutive month period.
(basis: cumulative increase)

3. Not more than 30 days after the Accelerated Permit to Operate is issued pursuant to permit application #2298, Permittee/Owner/ Operator shall ensure that the District's Permit Services Division is in receipt of the actual fugitive component count, by named type and service, installed/operated in conjunction with S-1473.
(basis: cumulative increase, offsets)

4. If the actual fugitive component count, by named type and service, installed/operated in conjunction with S-1473 results in an emission quantification larger than that amount already charged to the plant cumulative increase for S-1473 project fugitive emissions, the District will adjust the cumulative increase upward to reflect the larger emission quantification and Permittee/Owner/Operator shall promptly provide to the District, District approved emission offsets of the type and amount specified by the District to be due. (basis: offsets)

5. Permittee/Owner/Operator shall ensure that each flange/connector's total organic compound emissions do not exceed 100 ppm, subject to the leak repair provisions of Regulation 8, Rule 18.
(basis: cumulative increase, Reg. 8-18)

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6. Permittee/Owner/Operator shall ensure that each valve's total organic compound emissions do not exceed 100 ppm, subject to the leak repair provisions of Regulation 8, Rule 18.

(basis: cumulative increase, Reg. 8-18)

7. In a District approved log, Permittee/Owner/ Operator shall record the amount of each organic liquid material throughput to S-1473 each month and for each rolling 12 consecutive month period, by material name. The District approved log shall be retained on site for at least 5 years from date of last entry and shall be made available to the District staff upon request.

(basis: cumulative increase)

Condition # 19199
Permit Application #2508
Logistical Improvements

A1.) Not more than 30 days after the start-up of Logistical Improvements for which an Authority to Construct was issued pursuant to permit application #2508, Permittee/Owner/Operator shall ensure that the District's Engineering Division is in receipt of the actual fugitive component count, by named type and service, installed pursuant to Authority to Construct #2508 as part of the Logistical Improvements project. (basis: cumulative increase, offsets, toxics)

A2.) If the actual fugitive component count, by named type and service, installed pursuant to Authority to Construct #2508 as part of the Logistical Improvements project results in an emission quantification larger than that amount already charged to the plant cumulative increase for the Logistical Improvements project fugitive emissions, the District will adjust the cumulative increase upward to reflect the larger emission quantification and Permittee/Owner/Operator shall promptly provide to the District, District approved emission offsets of the type and amount specified by the District to be due. (basis: offsets)

A3.) Permittee/Owner/Operator shall ensure that each flange/connector installed is of a design that is District approved BACT compliant technology and that total organic compound emissions from each flange/connector do not exceed 100 ppm, subject to the leak repair provisions of Regulation 8, Rule 18. (basis: BACT, Reg. 8-18)

A4.) Permittee/Owner/Operator shall ensure that each valve installed is of a design that is District approved BACT compliant technology. Total organic compound emissions from each valve shall not exceed 100 ppm, subject to the leak repair provisions of Regulation 8, Rule 18. (basis: BACT, Reg. 8-18)

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A5.) Permittee/Owner/Operator shall ensure that each pump installed is of a design that is District approved BACT compliant technology. Total organic compound emissions from each pump shall not exceed 100 ppm, subject to the leak repair provisions of Regulation 8, Rule 18. (basis: BACT, Reg. 8-18)

A6.) Permittee/Owner/Operator shall ensure that each process sample system installed is a closed loop, continuous flow design and in no event shall there be any line purging to process drains. (basis: BACT, Reg. 8-18)

A7.) Permittee/Owner/Operator shall ensure that each process drain installed is fitted and operated with a District approved "P" trap sealing system which prevents organic emissions from the process waste stream from escaping from the drain into the atmosphere. (basis: BACT)

A8.) Permittee/Owner/Operator shall ensure that each pressure relief valve installed in hydrocarbon service is vented to the refinery fuel gas system or an abatement device with a capture/destruction efficiency of 98 wt% or more approved for this use in advance by the District. (basis: BACT, Reg. 8-28)

Two New Flare Gas Recovery
Compressors Each with a Maximum
Rated Capacity of 4 MMSCFD

B1.) Not more than 30 days after the start-up of either of Two New Flare Gas Revcovery Compressors for which an Authority to Construct was issued pursuant to permit application #2508, Permittee/Owner/Operator shall ensure that the District's Engineering Division is in receipt of the actual fugitive component count, by named type and service, installed pursuant to Authority to Construct #2508 as part of the Logistical Improvements project. (basis: cumulative increase, offsets, toxics)

B2.) If the actual fugitive component count, by named type and service, installed pursuant to Authority to Construct #2508 as part of the Flare Gas Recovery Compressor project results in an emission quantification larger than that amount already charged to the plant cumulative increase for the Flare Gas Recovery Compressor project fugitive emissions, the District will adjust the cumulative increase upward to reflect the larger emission quantification and Permittee/Owner/ Operator shall promptly provide to the District, District approved emission offsets of the type and amount specified by the District to be due. (basis: offsets)

B3.) Permittee/Owner/Operator shall ensure that each flange/connector installed is of a design that is District approved BACT compliant technology and that total

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organic compound emissions from each flange/connector do not exceed 100 ppm, subject to the leak repair provisions of Regulation 8, Rule 18.
(basis: BACT, Reg. 8-18)

B4.) Permittee/Owner/Operator shall ensure that each valve installed is of a design that is District approved BACT compliant technology. Total organic compound emissions from each valve shall not exceed 100 ppm, subject to the leak repair provisions of Regulation 8, Rule 18. (basis: BACT, Reg. 8-18)

B5.) Permittee/Owner/Operator shall ensure that each pump installed is of a design that is District approved BACT compliant technology. Total organic compound emissions from each pump shall not exceed 100 ppm, subject to the leak repair provisions of Regulation 8, Rule 18. (basis: BACT, Reg. 8-18)

B6.) Permittee/Owner/Operator shall ensure that each process sample system installed is a closed loop, continuous flow design and in no event shall there be any line purging to process drains. (basis: BACT, Reg. 8-18)

B7.) Permittee/Owner/Operator shall ensure that each process drain installed is fitted and operated with a District approved "P" trap sealing system which prevents organic emissions from the process waste stream from escaping from the drain into the atmosphere. (basis: BACT)

B8.) Permittee/Owner/Operator shall ensure that each pressure relief valve installed in hydrocarbon service is vented to the refinery fuel gas system or an abatement device with a capture/destruction efficiency of 98 wt% or more approved for this use in advance by the District. (basis: BACT, Reg. 8-28)

S-802 Fluid Catalytic Cracking Unit
(No. 4 Gas Plant) FCCU Naphtha Splitter

C1.) Not more than 30 days after the start-up of the FCCU Naphtha Splitter for which an Authority to Construct was issued pursuant to permit application #2508, Permittee/Owner/Operator shall ensure that the District's Engineering Division is in receipt of the actual fugitive component count, by named type and service, installed pursuant to Authority to Construct #2508 as part of the S-802 FCCU Naphtha Splitter project. (basis: cumulative increase, offsets, toxics)

C2. If the actual fugitive component count, by named type and service, installed pursuant to Authority to Construct #2508 as part of the S-802 FCCU Naphtha Splitter project results in an emission quantification larger than that amount already charged to the plant cumulative increase for the Naphtha Splitter project fugitive emissions, the District will adjust the cumulative increase upward to

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reflect the larger emission quantification and Permittee/Owner/Operator shall promptly provide to the District, District approved emission offsets of the type and amount specified by the District to be due.
(basis: offsets)

C3.) Permittee/Owner/Operator shall ensure that each flange/connector installed is of a design that is District approved BACT compliant technology and that total organic compound emissions from each flange/connector do not exceed 100 ppm, subject to the leak repair provisions of Regulation 8, Rule 18. (basis: BACT, Reg. 8-18)

C4.) Permittee/Owner/Operator shall ensure that each valve installed is of a design that is District approved BACT compliant technology. Total organic compound emissions from each valve shall not exceed 100 ppm, subject to the leak repair provisions of Regulation 8, Rule 18. (basis: BACT, Reg. 8-18)

C5.) Permittee/Owner/Operator shall ensure that each pump installed is of a design that is District approved BACT compliant technology. Total organic compound emissions from each pump shall not exceed 100 ppm, subject to the leak repair provisions of Regulation 8, Rule 18. (basis: BACT, Reg. 8-18)

C6.) Permittee/Owner/Operator shall ensure that each process sample system installed is a closed loop, continuous flow design and in no event shall there be any line purging to process drains. (basis: BACT, Reg. 8-18)

C7.) Permittee/Owner/Operator shall ensure that each process drain installed is fitted and operated with a District approved "P" trap sealing system which prevents organic emissions from the process waste stream from escaping from the drain into the atmosphere. (basis: BACT)

C8.) Permittee/Owner/Operator shall ensure that each pressure relief valve installed in hydrocarbon service is vented to the refinery fuel gas system or an abatement device with a capture/destruction efficiency of 98 wt% or more approved for this use in advance by the District. (basis: BACT, Reg. 8-28)

S-975 No. 4 Gas Plant Cooling Tower; Marley,
13-24A, with 4 Pumps, Sum Total Maximum
Capacity: 4,140,000 Gallons/Hr

D1.) Permittee/Owner/Operator shall ensure that the total cooling tower water recirculation rate at S-975 does not exceed 4,140,000 gallons per hour or 69,000 gallons per minute. (basis: cumulative increase, offsets, BACT)

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D2.) Within 60 days after the date that the change of conditions authorization letter is issued by the District for S-975 pursuant to application #2508, Permittee/Owner/Operator shall measure the maximum cooling tower water recirculation rate at S-975 using a District approved methodology. Permittee/Owner/Operator shall notify the District in writing of the date that the maximum cooling tower water recirculation flow rate measurement is to occur at least 10 days prior to the scheduled test date. Permittee/Owner/Operator shall provide the test data and the test results to the District's Engineering Division within 30 days after the date of the testing.
(basis: cumulative increase, offsets, BACT)

D3.) The total dissolved solids content of the cooling tower water at S-975 shall not exceed 5000 milligrams per liter. (basis: cumulative increase, offsets)

D4.) At least once each quarter, Permittee shall sample the cooling tower water at S-975 and subject the sample to a District approved laboratory analysis to determine its total dissolved solids content. (basis: cumulative increase, offsets)

D5.) The POC content of the cooling tower water at S-975 shall not exceed 100 ppm gasoline range organics (EPA Method 8015) and 100 ppm diesel range organics (EPA Method 8015) as measured at the cooling water return line or at the basin or at any other location at S-975, as determined by the results of EPA laboratory method 8015. (basis: BACT)

D5A.) deleted (basis: Startup conditions completed: The value XXXX ppm in condition #5 above shall be set by the District after the District has obtained and reviewed laboratory data generated pursuant to these conditions.
(basis: start-up, BACT))

D6.) Within 45 days after the date that the change of conditions authorization letter is issued by the District for S-975 pursuant to application #2508, Permittee/Owner/Operator shall sample the cooling tower water at S-975 at the cooling water return line twice each WEEK and at the basin once each MONTH. After twenty six (26) weeks of District approved sampling and sample analysis data, Permittee/Owner/Operator shall sample the cooling tower water at S-975 at the cooling water return line ONCE each WEEK and Permittee/Owner/Operator shall ensure that each sample is subjected to analysis by EPA laboratory method 8015. The results of the laboratory analysis shall disclose the organic content of the S-975 cooling tower water. Permittee/Owner/Operator shall ensure that the results of the each laboratory analysis along with the laboratory report of each analysis shall be available on site for inspection by District staff not later than two weeks (14 calendar days) after the date on which the sample was taken from S-975. (basis: BACT)

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D7.) Permittee/Owner/Operator shall ensure that there is a District approved sample point at the cooling tower water return line for S-975 where cooling tower water in route to S-975 can be sampled. (basis: BACT)

D8.) In a District approved log, Permittee/Owner/Operator shall record each date and location from which each sample of cooling tower was taken and the purpose of the sample. Permittee/Owner/Operator shall record the results of the laboratory analyses conducted pursuant to the requirements of these conditions along with copies of the laboratory results that disclose the date of the sampling, the location from which the sample was taken, the organic content of the cooling tower water determined by the laboratory method, the total dissolved solids content of the sample, the date of the analysis and name and address of the laboratory that conducted the analysis. The District approved log shall be retained on site for at least 5 years from last entry and be made available to the District staff upon request. (basis: cumulative increase, offsets, BACT)

S-982 No. 2 Hydrodesulfurization Unit; Cooling Tower; Capacity: 1,080,000 Gallons Per Hour

E1.) Permittee/Owner/Operator shall ensure that the total cooling tower water recirculation rate at S-982 shall not exceed 1,080,000 gallons per hour or 18,000 gallons per minute. (basis: cumulative increase, offsets, BACT)

E2.) Within 60 days after the date that the change of conditions authorization letter is issued by the District for S-982 pursuant to application #2508, Permittee/Owner/Operator shall measure the maximum cooling tower water recirculation rate at S-982 using a District approved methodology. Permittee/Owner/Operator shall notify the District in writing of the date that the maximum cooling tower water recirculation flow rate measurement is to occur at least 10 days prior to the scheduled test date. Permittee/Owner/Operator shall provide the test data and the test results to the District's Engineering Division within 30 days after the date of the testing.
(basis: cumulative increase, offsets, BACT)

E3.) The total dissolved solids content of the cooling tower water at S-982 shall not exceed 5000 milligrams per liter. (basis: cumulative increase, offsets)

E4.) At least once each quarter, Permittee shall sample the cooling tower water at S-982 and subject the sample to a District approved laboratory analysis to determine its total dissolved solids content. (basis: cumulative increase, offsets)

E5.) The POC content of the cooling tower water at S-982 shall not exceed 100 ppm gasoline range organics (EPA Method 8015) and 100 ppm diesel range organics

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(EPA Method 8015) as measured at the cooling water return line or at the basin or at any other location at S-982, as determined by the results of EPA laboratory method 8015. (basis: BACT)

E5A.) deleted (basis: Startup conditions completed: The value XXXX ppm in condition #5 above shall be set by the District after the District has obtained and reviewed laboratory data generated pursuant to these conditions. (basis: start-up, BACT))

E6.) Within 45 days after the date that the change of conditions authorization letter is issued by the District for S-982 pursuant to application #2508, Permittee/Owner/ Operator shall sample the cooling tower water at S-982 at the cooling water return line twice each WEEK and at the basin once each MONTH. After twenty six (26) weeks of District approved sampling and sample analysis data, Permittee/Owner/ Operator shall sample the cooling tower water at S-982 at the cooling water return line ONCE each WEEK and Permittee/Owner/Operator shall ensure that each sample is subjected to analysis by EPA laboratory method 8015. The results of the laboratory analysis shall disclose the organic content of the S-982 cooling tower water. Permittee/Owner/Operator shall ensure that the results of the each laboratory analysis along with the laboratory report of each analysis shall be available on site for inspection by District staff not later than two weeks (14 calendar days) after the date on which the sample was taken from S-982. (basis: BACT)

E7.) Permittee/Owner/Operator shall ensure that there is a District approved sample point at the cooling tower water return line for S-982 where cooling tower water in route to S-982 can be sampled. (basis: BACT)

E8.) In a District approved log, Permittee/Owner/Operator shall record each date and location from which each sample of cooling tower was taken and the purpose of the sample. Permittee/Owner/Operator shall record the results of the laboratory analyses conducted pursuant to the requirements of these conditions along with copies of the laboratory results that disclose the date of the sampling, the location from which the sample was taken, the organic content of the cooling tower water determined by the laboratory method, the total dissolved solids content of the sample, the date of the analysis and name and address of the laboratory that conducted the analysis. The District approved log shall be retained on site for at least 5 years from last entry and be made available to the District staff upon request. (basis: cumulative increase, offsets, BACT)

S-1100 Iso-Octene Unit, Maximum Production
Capacity: 3000 BPD (1,095,000 BPY)

F0.) Permittee/Owner/Operator shall ensure that the total daily iso-octene production at S-1100 does not exceed 3000 barrels during each calendar day.

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(basis: Regulation 2-2-419)

F1.) Not more than 30 days after the start-up of the Iso-Octene Unit for which an Authority to Construct was issued pursuant to permit application #2508, Permittee/Owner/Operator shall ensure that the District's Engineering Division is in receipt of the actual fugitive component count, by named type and service, installed pursuant to Authority to Construct #2508 as part of the S-1100 Iso-Octene Unit project. (basis: cumulative increase, offsets, toxics)

F2.) If the actual fugitive component count, by named type and service, installed pursuant to Authority to Construct #2508 as part of the S-1100 Iso-Octene Unit project results in an emission quantification larger than that amount already charged to the plant cumulative increase for the Iso-Octene project fugitive emissions, the District will adjust the cumulative increase upward to reflect the larger emission quantification and Permittee/Owner/Operator shall promptly provide to the District, District approved emission offsets of the type and amount specified by the District to be due. (basis: offsets)

F3.) Permittee/Owner/Operator shall ensure that each flange/connector installed is of a design that is District approved BACT compliant technology and that total organic compound emissions from each flange/connector do not exceed 100 ppm, subject to the leak repair provisions of Regulation 8, Rule 18.
(basis: BACT, Reg. 8-18)

F4.) Permittee/Owner/Operator shall ensure that each valve installed is of a design that is District approved BACT compliant technology. Total organic compound emissions from each valve shall not exceed 100 ppm, subject to the leak repair provisions of Regulation 8, Rule 18. (basis: BACT, Reg. 8-18)

F5.) Permittee/Owner/Operator shall ensure that each pump installed is of a design that is District approved BACT compliant technology. Total organic compound emissions from each pump shall not exceed 100 ppm, subject to the leak repair provisions of Regulation 8, Rule 18. (basis: BACT, Reg. 8-18)

F6.) Permittee/Owner/Operator shall ensure that each process sample system installed is a closed loop, continuous flow design and in no event shall there be any line purging to process drains. (basis: BACT, Reg. 8-18)

F7.) Permittee/Owner/Operator shall ensure that each process drain installed is fitted and operated with a District approved "P" trap sealing system which prevents organic emissions from the process waste stream from escaping from the drain into the atmosphere. (basis: BACT)

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F8.) Permittee/Owner/Operator shall ensure that each pressure relief valve installed in hydrocarbon service is vented to the refinery fuel gas system or an abatement device with a capture/destruction efficiency of 98 wt% or more approved for this use in advance by the District. (basis: BACT, Reg. 8-28)

F9.) In a District approved log, in units of barrels or gallons, Permittee/Owner/Operator shall record the amount of iso-octene produced at S-1100 each calendar day, each month, and for each rolling 12 consecutive month period. The District approved log shall be retained on site for at least 5 years from date of last entry and shall be made available to the District staff upon request. (basis: cumulative increase)

S-1105 No. 4 Hydrodesulfurization Unit; Maximum Capacity: 40,080 BPD (14,629,200 BPY)

G0.) Permittee/Owner/Operator shall ensure that the total throughput of hydrocarbon material/feed material to S-1105 does not exceed 40,080 barrels during each calendar day. (basis: Regulation 2-2-419)

G1.) Not more than 30 days after the start-up of the FCCU Naphtha Splitter for which an Authority to Construct was issued pursuant to permit application #2508, Permittee/Owner/Operator shall ensure that the District's Engineerimg Division is in receipt of the actual fugitive component count, by named type and service, installed pursuant to Authority to Construct #2508 as part of the S-1105 No. 4 Hydrodesulfurization Unit. (basis: cumulative increase, offsets, toxics)

G2.) If the actual fugitive component count, by named type and service, installed pursuant to Authority to Construct #2508 as part of the S-1105 No. 4 Hydrodesulfurization Unit project results in an emission quantification larger than that amount already charged to the plant cumulative increase for the No. 4 Hydrodesulfurization fugitive emissions, the District will adjust the cumulative increase upward to reflect the larger emission quantification and Permittee/Owner/Operator shall promptly provide to the District, District approved emission offsets of the type and amount specified by the District to be due. (basis: offsets)

G3.) Permittee/Owner/Operator shall ensure that each flange/connector installed is of a design that is District approved BACT compliant technology and that total organic compound emissions from each flange/connector do not exceed 100 ppm, subject to the leak repair provisions of Regulation 8, Rule 18.
(basis: BACT, Reg. 8-18)

G4.) Permittee/Owner/Operator shall ensure that each valve installed is of a design that is District approved BACT compliant technology. Total organic compound

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emissions from each valve shall not exceed 100 ppm, subject to the leak repair provisions of Regulation 8, Rule 18.
(basis: BACT, Reg. 8-18)

G5.) Permittee/Owner/Operator shall ensure that each pump installed is of a design that is District approved BACT compliant technology. Total organic compound emissions from each pump shall not exceed 100 ppm, subject to the leak repair provisions of Regulation 8, Rule 18.
(basis: BACT, Reg. 8-18)

G6.) Permittee/Owner/Operator shall ensure that each process sample system installed is a closed loop, continuous flow design and in no event shall there be any line purging to process drains. (basis: BACT, Reg. 8-18)

G7.) Permittee/Owner/Operator shall ensure that each process drain installed is fitted and operated with a District approved "P" trap sealing system which prevents organic emissions from the process waste stream from escaping from the drain into the atmosphere. (basis: BACT)

G8.) Permittee/Owner/Operator shall ensure that each pressure relief valve installed in hydrocarbon service is vented to the refinery fuel gas system or an abatement device with a capture/destruction efficiency of 98 wt% or more approved for this use in advance by the District. (basis: BACT, Reg. 8-28)

G9.) In a District approved log, Permittee/Owner/Operator shall record the amount of feed material throughput to S-1105 each day, each month, and for each 12 consecutive month period. The District approved log shall be retained on site for at least 5 years from date of last entry and shall be made available to the District staff upon request.
(basis: cumulative increase)

S-1106 Furnace; FU72, No. 4 Hydrodesulfurization
Reactor Feed Heater, Natural Gas Fired,
Maximum Firing Rate (HHV): 30 MMBtu/hr
abated by A-1106 Selective Catalytic
Reduction System

H0.) Permittee/Owner/Operator shall ensure that the maximum fuel firing rate at S-1106 does not exceed 30 MMBtu/hr averaged over each calendar day by dividing the fuel use rate during each day by 24. (basis: cumulative increase)

H1.) Permittee/Owner/Operator shall ensure that no fuel other than natural gas is fired at S-1106. (basis: cumulative increase, toxics)

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H2.) Permittee/Owner/Operator shall ensure that S-1106 is not be operated unless it is equipped with a District approved fuel flow meter that measures the volume of fuel throughput to S-1106 in units of standard cubic feet.
(basis: cumulative increase)

H3.) Permittee/Owner/Operator shall ensure that the total fuel use at S-1106 does not exceed 225.257 million standard cubic feet of natural gas during any rolling 12 consecutive month period.
(basis: cumulative increase, toxics, offsets)

H4.) Permittee/Owner/Operator shall ensure that NOx emissions from S-1106 do not exceed 10 ppmv, dry, at 3% oxygen, based on a three hour average, after abatement at A-1106. (basis: BACT, cumulative increase, offsets)

H5.) Permittee/Owner/Operator shall ensure that CO emissions from S-1106 do not exceed 50 ppmv, dry, at 3% oxygen, based on a three hour average.
(basis: BACT, cumulative increase, offsets)

H6.) Permittee/Owner/Operator shall ensure that POC emissions from S-1106 do not exceed 0.619 ton per rolling consecutive 12 month period (or the equivalent emission rate prorated to the time period during which emissions are measured/calculated).
(basis: cumulative increase, offsets)

H7.) Permittee/Owner/Operator shall ensure that PM-10 emissions from S-1106 do not exceed 0.856 ton per rolling consecutive 12 month period (or the equivalent emission rate prorated to the time period during which emissions are measured/calculated).
(basis: cumulative increase, offsets)

H8.) Permittee/Owner/Operator shall ensure that SO2 emissions from S-1106 shall not exceed 0.068 ton per rolling consecutive 12 month period (or the equivalent emission rate prorated to the time period during which emissions are measured/calculated).
(basis: cumulative increase, BACT, offsets)

H9.) Permittee/Owner/Operator shall ensure that S-1106 is abated by A-1106 at all times that a fuel is fired at S-1106 except for not more than 144 hours during any rolling 12 consecutive month period and during shutdown as defined by Regulation 9-10-218. The 144 hours is for start-up of S-1106. At all times other than the 144 hours per 12 consecutive month period and during shutdown as defined by Regulation 9-10-218, while a fuel is fired at S-1106, S-1106 shall be abated by A-1106 and there shall be ammonia injection at A-1106.
(basis: BACT)

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H10.) Permittee/Owner/Operator shall ensure that ammonia slip from A-1106 does not exceed 20 ppmv, dry, at 3% oxygen averaged over any 3 hour period. (basis: toxics)

H11.) Notwithstanding any provision of District regulations allowing for the malfunction of or lack of operation of the CEM, Permittee/Owner/Operator shall not operate S-1106 without a District approved continuous emissions monitoring device that continuously measures and continuously records the concentration of nitrogen oxides, in ppmv units, in the combustion exhaust from S-1106 corrected to 3 ppmv oxygen, dry; and the device shall continuously measure and continuously record the oxygen concentration in the combustion exhaust from S-1106. (basis: cumulative increase, BACT, offsets)

H12.) Once each calendar year Permittee/Owner/Operator shall ensure that a District approved source test is conducted that measures CO emissions from S-1106. The first CO source test for S-1106 shall be conducted within 60 days after the first date that fuel is first fired at S-1106. The District approved source test shall measure the emission rate of CO from S-1106 and the amount of oxygen in the S-1106 exhaust. Because of this condition S-1106 does not need a CEM for CO.

Permittee/Owner/Operator shall ensure that within 30 days of the date of completion of the (each) District approved source test, two identical copies of the results of the source test, each referencing permit application #2508, S-1106, and plant #14628 are received by the District and that one copy is addressed to the District's Source Test Manager, and that the other copy is addressed the District's Engineering Division. (basis: start-up, offsets, BACT, cumulative increase, toxics)

H13. Permittee/Owner/Operator shall ensure that a District approved source test is conducted that measures emissions from S-1106 and that the source test for S-1106 is conducted within 60 days after the first date that fuel is first fired at S-1106. The District approved source test shall measure the emission rate of NOx, CO, POC, SO2, ammonia, and PM-10 from S-1106 while it is operated at a fuel feed rate of 22857 SCF of natural gas per hour or more. For NOx, CO, and ammonia, the measurement shall be based on a three hour average. If the fuel firing rate of S-1106 during the testing is less than 22857 SCF natural gas per hour, then Permittee/Owner/Operator shall conduct a subsequent District approved source test at S-1106 every twelve months thereafter, until a District approved source test is completed while S-1106 is fired at 22857 SCF of natural gas per hour or more during the entire test period.

Permittee/Owner/Operator shall ensure that within 30 days of the date of completion of the (each) District approved source test, two identical copies of the

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results of the source test, each referencing permit application #2508, S-1106, and plant #14628 are received by the District and that one copy is addressed to the District's Source Test Manager, and that the other copy is addressed the District's Engineering Division.
(basis: start-up, offsets, BACT, cumulative increase, toxics)

H14.) In a District approved log, Permittee/Owner/Operator shall record, for S-1106, the amount of each fuel fired in units of standard cubic feet, the concentration of nitrogen oxides in the exhaust from S-1106 in ppmv corrected to 3% oxygen, the oxygen content in the combustion exhaust from S-1106, each time period during which S-1106 is operated without abatement by A-1106 and each time period during which S-1106 is operated without ammonia injection at A-1106. The District approved log shall be retained on site for at least 5 years from date of last entry and shall be made available to the District staff upon request. (basis: cumulative increase, offsets)

H15.) If, based on District approved source test results, emissions from S-1106 exceed permitted and/or offset emission levels, Permittee/Owner/Operator shall provide additional District approved emission reduction credits to the District in the amount and of the type(s) determined by the District to be due, to offset the emissions that are in excess of permitted and/or offset emission levels. (basis: offsets)

Condition # 19528

1) Permittee/Owner/Operator shall ensure that the none of the firm limits in Table II-A or Table II-C is exceeded. Firm limits and grandfathered limits are the two kinds of limits possible in Table II-A and Table II-C. Each exceedance of a firm limit set forth in Table II A or Table II C is a violation of condition #19528, part 1. The throughput limits in Table II-A and Table II-C that are identified as grandfathered limits are based upon District records at the time of the MFR permit issuance. Permittee/Owner/Operator shall report each exceedance of each, any, and all the limits in Table II-A and Table II-C following the procedures in Section I.F of the facilities' Title V permit. For grandfathered limits, this reporting requirement is intended to facilitate a determination of whether a modification has occurred as defined in Regulation 2-1-234.3. The throughput limits for grandfathered sources are for reporting purposes only. Exceedance of a grandfathered limit does not establish a presumption that a modification has occurred, nor does compliance with the limit establish a presumption that a modification has not occurred. (basis: Regulation 2-1-234.3, Regulation 2-1-403, Regulation 2-6-503)

2) For each of S106, S107, S108, and S114, Permittee/Owner/Operator shall ensure that not less frequently than once every 36 consecutive months a District

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approved source test is conducted for each source measuring its POC emission rate in units of pounds per thousand barrels loaded Permittee/Owner/Operator shall ensure that the testing is conducted during crude oil transfer at the source where the source testing is being conducted. Permittee/Owner/Operator shall ensure that the first District approved source test for each source shall be completed before July 31, 2005. (basis: Regulation 2-1-403; Regulation 8-43, Regulation 2-6-503)

2A) Permittee/Owner/Operator shall ensure that within 60 days of the date of completion of the (each) District approved source test required by condition 19528 part 2, two identical copies of the results of the source test long with supporting documentation, each referencing the subject source, condition 19528 part 2 and part 2A, and plant #12758 are received by the District and that both copies are addressed to the District's Engineering Division.
(basis: Regulation 2-1-403; Regulation 8-43, Regulation 2-6-503)

3) For S-901, Permittee/Owner/Operator shall ensure that not less frequently than twice each calendar year a District approved source test is conducted for S-901 measuring its CO emission rate, using a District approved source test method and conducted in compliance with the District's Manual of Procedures. Permittee/Owner/Operator shall ensure that the first District approved source for each source shall be completed before July 31, 2004.
(basis: Regulation 2-1-403; Regulation 9-10, Regulation 2-6-503)

3A) Permittee/Owner/Operator shall ensure that within 60 days of the date of completion of the (each) District approved source test required by condition 19528 part 3, two identical copies of the results of the source test along with supporting documentation, each referencing S901, condition 19528 part 3 and part 3A, and plant #12758 are received by the District and that both copies are addressed to the District's Engineering Division.
(basis: Regulation 2-1-403; Regulation 9-10, Regulation 2-6-503)

4) For each of S-909, S-912, S-913, S-915, S-916, S-919, S-920, and S-921, Permittee/Owner/Operator shall ensure that not less frequently than twice each calendar year a District approved source test is conducted for each source measuring its NOx and CO emission rate using a District approved source test method and that each test is conducted in compliance with the District's Manual of Procedures. Permittee/Owner/Operator shall ensure that the first District approved source for each of S909, S912, S913, S915, S916, S919, S920, and S921 is completed before July 31, 2004.
(basis: Regulation 2-1-403; Regulation 9-10, Regulation 2-6-503)

4A) Permittee/Owner/Operator shall ensure that within 60 days of the date of completion of the (each) District approved source test required by condition

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19528 part 4, two identical copies of the results of the source test along with supporting documentation, each referencing the subject source number, condition 19528 part 4 and part 4A, and plant #12758 are received by the District and that both copies are addressed to the District's Engineering Division.
(basis: Regulation 2-1-403; Regulation 9-10, Regulation 2-6-503)

5) For each of S-922, S-926, S-934, S-935, S-951, and S-972, Permittee/Owner/Operator shall ensure that not less frequently than twice each calendar year a District approved source test is conducted for each source measuring its NOx and CO emission rate using a District approved source test method and that it is conducted in compliance with the District's Manual of Procedures. Permittee/Owner/Operator shall ensure that the first District approved source for each source shall be completed before July 31, 2004.
(basis: Regulation 2-1-403; Regulation 9-10, Regulation 2-6-503)

5A) Permittee/Owner/Operator shall ensure that within 60 days of the date of completion of the (each) District approved source test required by condition 19528 part 5, two identical copies of the results of the source test along with supporting documentation, each referencing the source number, condition 19528 part 5 and part 5A, and plant #12758 are received by the District and that both copies are addressed to the District's Engineering Division.
(basis: Regulation 2-1-403; Regulation 9-10, Regulation 2-6-503)

6) For each of S-917, S-924, S-928, S-929, S-930, S-931, S-932, and S-933, Permittee/Owner/Operator shall ensure that not less frequently than once each calendar year a District approved source test is conducted for each source measuring its NOx and CO emission rate using a District approved source test method and that it is conducted in compliance with the District's Manual of Procedures. Permittee/Owner/Operator shall ensure that the first District approved source for each source shall be completed before November 31, 2004.
(basis: Regulation 2-1-403; Regulation 9-10, Regulation 2-6-503)

6A) Permittee/Owner/Operator shall ensure that within 60 days of the date of completion of the (each) District approved source test required by condition 19528 part 6, two identical copies of the results of the source test along with supporting documentation, each referencing the source number, condition 19528 part 6 and part 6A, and plant #12758 are received by the District and that both copies are addressed to the District's Engineering Division.
(basis: Regulation 2-1-403; Regulation 9-10, Regulation 2-6-503)

For each of S-952, S-953, S-954, S-955, S-956, S-957, S-960, and S-961, Permittee/Owner/Operator shall ensure that not less frequently than twice each calendar year a District approved source test is conducted for each source measuring its NOx and CO emission rate using a District approved source test

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method and that it is conducted in compliance with the District's Manual of Procedures per Regulation 9-10-601 and 602. Permittee/Owner/Operator shall ensure that the first District approved source for each source shall be completed before July 31, 2005.
(basis: Regulation 2-1-403; Regulation 9-10, Regulation 2-6-503)

7A) Permittee/Owner/Operator shall ensure that within 60 days of the date of completion of the (each) District approved source test required by condition 19528 part 7, two identical copies of the results of the source test along with supporting documentation, each referencing the subject source number, condition 19528 part 7 and part 7A, and plant #12758 are received by the District and that both copies are addressed to the District's Engineering Division.
(basis: Regulation 2-1-403; Regulation 9-10, Regulation 2-6-503)

8) For each of S955, S956, S957, S958, S959, and S960, Permittee/Owner/Operator shall ensure that not less frequently than once every other calendar year a District approved source test is conducted for each source measuring its NOx and CO emission rate using a District approved source test method and in compliance with the District's Manual of Procedures. Permittee/Owner/Operator shall ensure that the first District approved source for each source shall be completed before July 31, 2005. (basis: Regulation 2-1-403; Regulation 9-8, Regulation 2-6-503)

8A) Permittee/Owner/Operator shall ensure that within 60 days of the date of completion of the (each) District approved source test required by condition 19528 part 8, two identical copies of the results of the source test along with supporting documentation, each referencing the subject source number, condition 19528 part 8 and part 8A, and plant #12758 are received by the District and that both copies are addressed to the District's Engineering Division.
(basis: Regulation 2-1-403; Regulation 9-8, Regulation 2-6-503)

9) For S1401, Permittee/Owner/Operator shall ensure that not less frequently than once each calendar year a District approved source test is conducted for S-1401 measuring its SO3 and H2S04 emission rate per dry standard foot of exhaust volume, expressed as 100% H2S04. This monitoring requirement shall become effective April 1, 2004.
(basis: Regulation 6-330, Regulation 2-1-403, Regulation 2-6-503)

9A) Permittee/Owner/Operator shall ensure that within 60 days of the date of completion of the (each) District approved source test required by condition 19528 part 9, two identical copies of the results of the source test and supporting documentation, each referencing S-1401, condition 19528 part 9 and part 9A, and plant #12758 are received by the District and that both copies are addressed to the District's Engineering Division.
(basis: Regulation 2-1-403; Regulation 6-330, Regulation 2-6-503)

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10) For each of S-1415, S-1416, and S-1417, Permittee/Owner/Operator shall ensure that not less frequently than once every 60 months, with the first District approved source test completion date for each of occurring before October 31, 2006, that a District approved source test is conducted for each of S-1415, S-1416, and S-1417, in compliance with the District's Manual of Procedures, measuring each source's POC emission rate and carbon concentration in ppm, dry.
(basis: Regulation 8-2; Regulation 2-1-403, Regulation 2-6-503)

10A) Permittee/Owner/Operator shall ensure that within 60 days of the date of completion of the (each) District approved source test required by condition 19528 part 10, two identical copies of the results of the source test along with supporting documentation, each referencing the subject source number, condition 19528 part 10 and part 10A, and plant #12758 are received by the District and that both copies are addressed to the District's Engineering Division .
(basis: Regulation 2-1-403; Regulation 8-2, Regulation 2-6-503)

Conditions for monitoring smoking flares:

11B) For the purposes of these conditions, a flaring event is defined as a flow rate of vent gas flared in any consecutive 15 minutes period that continuously exceeds 330 standard cubic feet per minute (scfm). If during a flaring event, the vent gas flow rate drops below 330 scfm and then increases above 330 scfm within 30 minutes, that shall still be considered a single flaring event, rather than two separate events. For each flaring event during daylight hours (between sunrise and sunset), the owner/operator shall inspect the flare within 15 minutes of determining the flaring event, and within 30 minutes of the last inspection thereafter, using video monitoring or visible inspection following the procedure described in Part 11A of this condition.
(basis: Regulation 2-6-409.2)

11C) The owner/operator shall use the following procedure for the initial inspection and each 30-minute inspection of a flaring event.

If the owner/operator can determine that there are no visible emissions using video monitoring, then no further monitoring is necessary for that particular inspection.
If the owner/operator cannot determine that there are no visible emissions using video monitoring, the owner/operator shall conduct a visual inspection outdoors using either:
EPA Reference Method 9; or
Survey the flare by selecting a position that enables a clear view of the flare at least 15 feet, but not more than 0.25 miles, from the emission source, where the sun is not directly in the observer's eyes.

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If a visible emission is observed, the owner/operator shall continue to monitor the flare for at least 3 minutes, or until there are no visible emissions, whichever is shorter.

The owner/operator shall repeat the inspection procedure for the duration of the flaring event, or until a violation is documented in accordance with Part 11D. After a violation is documented, no further inspections are required until the beginning of a new calendar day.
(basis: Regulation 6-301, 2-1-403)

11D) The owner/operator shall comply with one of the following requirements if visual inspection is used:
If EPA Method 9 is used, the owner/operator shall comply with Regulation 6-301 when operating the flare.
If the procedure of 4.b.ii is used, the owner/operator shall not operate a flare that has visible emissions for three consecutive minutes.
(basis: Regulation 2-6-403)

11E) The owner/operator shall keep records of all flaring events, as defined in Part 11B. The owner/operator shall include in the records the name of the person performing the visible emissions check, whether video monitoring or visual inspection (EPA Method 9 or visual inspection procedure of Part 11C of this condition) was used, the results of each inspection, and whether any violation of this condition (using visual inspection procedure in Part 11C of this condition) or Regulation 6-301 occurred (using EPA Method 9). (basis: Regulation 2-6-501; 2-6-409.2)

Sources:
S854, S992, S1013

12) This condition applies to each organic liquid storage tank that is exempt from Regulation 8, Rule 5, Storage of Organic Liquids, due to Permittee/Owner/Operator's assertion or belief that the tank's contents comply with 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). Whenever the type of organic liquid in the tank is changed, the Permittee/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 Permittee/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 Permittee/Owner/Operator may use Table 1 to determine the material's true vapor pressure, rather than Lab Method 28. If the results are above 25.8 mm Hg (0.5 psia), Permittee/Owner/Operator shall report non-compliance in accordance with Standard Condition I.F and shall submit a complete permit application to the District to obtain a new Permit to Operate for

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the tank not more than 180 days from discovery that the true vapor pressure of the material in the tank is greater than 25.8 mm Hg (0.5 psia). This monitoring requirement shall take effect on April 1, 2004. (basis: Regulation 8-5, Regulation 2-1-403, Regulation 2-6-503)

12.1) This condition applies to each organic liquid storage tank that is exempt from Regulation 8, Rule 5, Storage of Organic Liquids, due to Permittee/Owner/Operator's assertion or belief that the tank's contents comply with 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). The owner/operator must verify that the true vapor pressure of the initial contents being stored is less than or equal to 25.88 mm Hg (0.5 psia) at storage temperature. The owner/operator shall use Lab Method 28 from Volume III of the BAAQMD MOP, 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 the material's true vapor pressure, rather than Lab Method 28. If the results are above 25.8 mm Hg (0.5 psia), Owner/Operator shall report non-compliance in accordance with Standard Condition I.F and shall submit a complete permit application to the District to obtain a new Permit to Operate for the tank not more than 180 days from discovery that the true vapor pressure of the material in the tank is greater than 25.8 mm Hg (0.5 psia). Monitoring shall be completed by June 30, 2004. (basis: Regulation 8-5, Regulation 2-1-403, Regulation 2-6-503)

12A) When laboratory testing is conducted to determine the true vapor pressure of the material stored in a tank subject to condition 19528 part 12 and 12.1, in a District-approved log, Permittee/Owner/Operator shall record the results of the testing, the laboratory method used, along with the identity of tank by District assigned source number where the material was sampled/stored. Permittee shall retain the log for not less than five years from the date of the recording in the log. Permittee/Owner/Operator shall ensure that the log is made available to District staff upon request. (basis: Regulation 8-5, Regulation 2-1-403, Regulation 2-6-503)

13.) With a frequency not less than once per month, Permittee/Owner/Operator shall visually inspect the outlet at A-4 while it is abating any of the catalyst hoppers S-97, S-98, and/or S-99 and Permittee/Owner/Operator shall note whether any visible emissions are present at the A-4 exhaust point venting to atmosphere. If there are visible emissions, Permittee/Owner/Operator shall immediately take corrective action to eliminate the visible emissions. Upon completion of each inspection, in a District approved log, Permittee/Owner/Operator shall record whether there are visible emissions or not and, when visible emissions are detected, the corrective action taken to eliminate the visible emissions. During each month that S-97, S-98, and S-99 is not in operation for the entire month,

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Permittee/Owner/Operator need not complete this inspection for S-97, S-98, and S-99. (basis: Regulation 2-1-403, Regulation 2-6-503)

13A.) The owner/operator of S97, S98, S99 abated by A-4 Cyclone and Baghouse shall inspect the A-4 baghouse annually to ensure it is in good operating condition. The annual inspection and any filter bag changes shall be recorded in a District approved log. The logs in part 13 and 13A shall be kept for a minimum of five years and shall be made available to District personnel upon request. (basis: Regulation 2-1-403, Regulation 2-6-503)

14.) With a frequency not less than once per day, Permittee/Owner/Operator shall visually inspect S-810, S-821 and Permittee/Owner/Operator shall note whether any visible emissions are present at S-810, S-821. If there are visible emissions, Permittee/Owner/Operator shall immediately take corrective action to eliminate the visible emissions. Upon completion of each inspection, in a District approved log, Permittee/Owner/Operator shall record whether there are visible emissions or not and, when visible emissions are detected, the corrective action taken to eliminate the visible emissions. During each month that S-821 is not in operation for the entire month and when there is no petroleum coke stored at S-821, Permittee/Owner/Operator need not complete this inspection for S-821. This monitoring requirement shall take effect on April 1, 2004.
(basis: Regulation 2-1-403, Regulation 2-6-503)

14a. Effective June 1, 2004, Permittee/Owner/Operator shall conduct a daily visual inspection at A-9 Coke Silo Precipitator for any emission that is greater than or equal to 20% opacity for more than 3 minutes in any hour. (basis: Regulation 6-302)

15.) ~~With a frequency not less than once per month, Permittee/Owner/Operator shall visually inspect the outlet at A-1420 while it is abating S-1405 and Permittee/Owner/Operator shall note whether any visible emissions are present at the A-1420 exhaust point venting to atmosphere. If there are visible emissions, Permittee/Owner/Operator shall immediately take corrective action to eliminate the visible emissions. Upon completion of each inspection, in a District approved log, Permittee/Owner/Operator shall record whether there are visible emissions or not and, when visible emissions are detected, the corrective action taken to eliminate the visible emissions. During each month that S-1405 is not in operation for the entire month, Permittee/Owner/Operator need not complete this inspection for S-1405. This monitoring requirement shall take effect on April 1, 2004.
(basis: Regulation 2-1-403, Regulation 2-6-503)~~Deleted. A-1420 was removed from service in 2006 when S-1405 became abated by S-1411 or S-1401.)

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16. The owner/operator shall notify the District in writing by fax or email no less than three calendar days in advance of any scheduled start-up or shutdown of any process unit and as soon as feasible for any unscheduled startup or shutdown of a process unit, but no later than 48 hours after the unscheduled startup/shutdown 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. The requirement is not federally enforceable. [basis: Regulation 2-1-403]

17. By April 11, 2004, the Permittee/Owner/Operator shall submit a complete permit application to the District for a significant revision to the Major Facility Review permit to incorporate the limits, compliance options, and monitoring requirements in 40 CFR 63, Subpart UUU, National Emission Standards for Hazardous Air Pollutants for Petroleum Refineries: Catalytic Cracking Units, Catalytic Reforming Units, and Sulfur Recovery Units. (basis: 40 CFR 63, Subpart UUU)

18. By April 11, 2005, the Permittee/Owner/Operator shall submit an operation, maintenance, and monitoring plan for District review in accordance with 40 CFR 63.1574(f). The plan shall be prepared for each affected source, control system, and continuous monitoring system. The plan shall be submitted to the Director of Enforcement. (basis: 40 CFR 63.1574(f))

Condition # 19762
Permit Application #4579

S-775 Internal Floating Roof Tank; Capacity:
109,000 BBL, Storing: Gasoline

A1) Permittee/Owner/Operator shall ensure that the total throughput of all VOC/petroleum materials to S-775 does not exceed 11,336,000 barrels during any 12 consecutive month period.
(basis: cumulative increase, toxics, offsets)

A2) Permittee/Owner/Operator shall ensure that the true vapor pressure of each and all VOC/petroleum materials throughput to and/or stored in S-775 is always less than or equal to 11 psia. (basis: cumulative increase, toxics, offsets)

A3) Permittee/Owner/Operator shall ensure that S-775 is of welded construction, that its primary seal is a District approved liquid mounted mechanical shoe seal, that its secondary seal is a District approved zero gap rim mounted seal, that all roof penetrations at S-775 are gasketted, that each adjustable roof leg at S-775 is fitted with a District approved vapor seal boot, that each slotted guide pole is equipped with a District approved float and wiper seal and pole sleeve.

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(basis: BACT, Regulation 8-5, cumulative increase, toxics, NSPS, Regulation 10, Subpart Kb, offsets)

A4) Permittee/Owner/Operator shall ensure that S-775 is equipped with ONLY the following fittings, in the number indicated in parenthesis:
access hatch (1)
radar level detector at access hatch (1)
automatic gauge float well (1)
roof drain (1)
adjustable roof leg (84)
slotted guide pole-sample well (1)
vacuum breaker (2)
(basis: cumulative increase, toxics, offsets)

A5) VOC/petroleum material other than Gasoline may be throughput to or stored at S-775, if in doing so, Permittee/Owner/Operator complies with each and all of the following:
a) the Permittee/Owner/Operator shall ensure that the storage of each material complies with all other conditions applicable this source.
b) the Permittee/Owner/Operator shall ensure the storage of each material complies with all other applicable regulatory requirements applicable to this source.
c) the Permittee/Owner/Operator shall ensure that it creates and maintains accurate and factual District approved records that demonstrate to the District's satisfaction that no toxin listed in Table ~~2-1-316~~2-5-1 is emitted from S-775 in an amount in excess of the toxin's respective trigger emission level set forth in Table ~~2-1-316~~2-5-1.
(basis: cumulative increase, toxics, offset)

A6) On a monthly basis, in a District approved log, the Permittee/Owner/Operator shall record the throughput of each VOC/petroleum material throughput to S-775, in gallon or barrel units, by name (e.g., naphtha, Jet A, gasoline) for each month and for each rolling 12 consecutive month period. The Permittee/Owner/Operator shall ensure that the District approved log is retained on site for not less than 5 years from date of last entry, and that it is be made available to District staff upon request. (basis: cumulative increase, toxics, offsets)

S-1484 Oil Water Separator; Pressure Vessel;
Volume: 1350 Gallons, Capacity: 286 BPH
abated by A-14 Vapor Recovery

B1) Permittee/Owner/Operator shall ensure that the total throughput of all VOC/petroleum materials to S-1484 does not exceed 2,505,360 barrels during any 12 consecutive month period.
(basis: cumulative increase, toxics, offsets)

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B2) Permittee/Owner/Operator shall ensure that S-1484 is of welded construction and that S-1484 is vapor tight. Vapor tight has the same meaning as set forth in Regulation 8, Rule 8.
(basis: Regulation 8-8, cumulative increase, toxics, offsets)

B3) Notwithstanding any provision of District regulations allowing for the malfunction of A-14 due to a valid breakdown at No. 1 Gas Plant vapor recovery compressor(s), Permittee/Owner/Operator shall ensure that S-1484 is abated by A-14 at all times that S-1484 is operated and at all times that S-1484 contains VOC/petroleum materials.
(basis: Regulation 8-8, cumulative increase, toxics, offsets)

B4) On a monthly basis, in a District approved log, the Permittee/Owner/Operator shall record the throughput of liquid material throughput to S-1484, in gallon or barrel units, for each month and for each rolling 12 consecutive month period. The Permittee/Owner/Operator shall ensure that the District approved log is retained on site for not less than 5 years from date of last entry, and that it is be made available to District staff upon request.
(basis: cumulative increase, toxics, offsets)

CONDITION # 20099
Application 6201 (November 2002), Condition updated after Start-up (December 2004).

S-532 Oil Water Separator; Tank 532,
modified to operate as an Oil Water
Separator; Volume: 630K Gallons,
Capacity: 286 BPH abated by
A-14 Vapor Recovery System

1) Permittee/Owner/Operator shall ensure that the total throughput of all VOC/petroleum materials to S-532 does not exceed 2,505,360 barrels during any 12 consecutive month period. (basis: cumulative increase, toxics, BACT, offsets)

2) Permittee/Owner/Operator shall ensure that S-532 is of welded construction and that S-532 is vapor-tight. Vapor-tight has the same meaning as set forth in Regulation 8, Rule 8. (basis: Regulation 8-8, cumulative increase, toxics, offsets, BACT)

3) Notwithstanding any provision of District regulations allowing for the malfunction of A-14 due to a valid breakdown at No. 1 Gas Plant vapor recovery compressor(s), Permittee/ Owner/Operator shall ensure that S-532 (excluding the pressure vacuum relief valve vent), including the pressure vent at S-532, is abated by A-14 at all times that S-532

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is operated and at all times that S-532 contains VOC/petroleum materials. basis: BACT, Regulation 8-8, cumulative increase, toxics, offsets)

4) Permittee/Owner/Operator shall ensure that VOC/POC emissions from S-532 that are ducted to A-14 are abated with a destruction efficiency of at least 98 percent, by weight, as measured across the combustion device(s) burning (the vapors from the) 40 Pound Fuel Gas system. (basis: BACT)

5) Not more than 120 days after the start-up of S-532 pursuant to Authority to Construct #6201, Permittee/Owner/Operator shall conduct a District approved source test at each of the following sources:

S-908 No. 8 Furnace @ No. 3 Crude Unit
S-909 No. 9 Furnace @ No. 1 Feed Prep.
S-912 No. 12 Furnace @ No. 1 Feed Prep.
S-913 No. 13 Furnace @ No. 2 Feed Prep.

to measure for each source each of the following:

the fuel feed rate in pounds/hr
the POC emission rate at the stack
the flue gas flow rate in SCFM at the stack
the oxygen content of the stack flue gas
the destruction efficiency of POC/VOC as mea-sured across the Furnace/combustion device

Permittee/Owner/Operator shall ensure that two copies of the results of the source testing along with related calculations and relevant process data are received by the District's Engineering Division not more than 35 days following the date of the source test.

5A) Not more than 5 days after S-991 undergoes its first start-up subsequent to the first maintenance turnaround at the FCCU after December 31, 2002, Permittee/Owner/Operator shall ensure that a District approved source test is conduct-ed at S-991 FCCU Preheat Furnace to measure each of the following:

the fuel feed rate in pounds/hr
the POC emission rate at the stack
the flue gas flow rate in SCFM at the stack
the oxygen content of the stack flue gas
the destruction efficiency of POC/VOC as mea-sured across the Furnace/combustion device

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Permittee/Owner/Operator shall ensure that two copies of the results of the source testing along with related calculations and relevant process data are received by the District's Engineering Division not more than 35 days following the date of the source test. (basis: BACT)

6) To determine compliance with part 4, the owner/operator shall conduct a District approved source test at each of the following sources every 5 years in the year prior to the Title V Permit Renewal.

S-908 No. 8 Furnace @ No. 3 Crude Unit
S-909 No. 9 Furnace @ No. 1 Feed Prep.
S-912 No. 12 Furnace @ No. 1 Feed Prep.
S-913 No. 13 Furnace @ No. 2 Feed Prep.
S-991 FCCU Preheat Furnace

For each source, the owner/operator must measure the following:
- the fuel feed rate in pounds/hr
- the POC emission rate at the stack
- the flue gas flow rate in SCFM at the stack
- the oxygen content of the stack flue gas
- the stack temperature
- the destruction efficiency of POC as measured across the combustion device

The owner/operator shall submit individual copies of the results of the source tests (along with related calculations and process data) to the District's Engineering Division, Enforcement Division, and Source Test Division within 35 days of the source test. (basis: Cumulative Increase, Toxic Risk Screen, Offsets, Regulation 1-238)

7) During periods of preventative maintenance on A-14 Vapor Recovery System not to exceed 36 hours per rolling consecutive 12 month period, Permittee/Owner/Operator shall ensure that there is no liquid flow into S-532 and that under no circumstances shall the preventative maintenance begin prior to 6:00 PM PST. During the preventative maintenance on A-14 Vapor Recovery System S-532 does not need to be abated by A-14. (basis: BACT)

8) On a monthly basis, in a District approved log, the Permittee/Owner/Operator shall record the throughput of liquid material throughput to S-532, in gallon or barrel units, for each month and for each rolling 12 consecutive month period. The Permittee/Owner/Operator shall ensure that the District approved log is retained on site for not less than 5 years from date of last entry, and that it is made available to District staff upon request. (basis: cumulative increase, toxics, offsets)

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9) On a monthly basis, in a District approved log, the Permittee/Owner/Operator shall record the time, date, duration, and reason for each instance during which S-532 is not abated by A-14. The Permittee/Owner/Operator shall ensure that the District approved log is retained on site for not less than 5 years from date of last entry, and that it is made available to District staff upon request. (basis: cumulative increase, toxics, offsets)

10) Upon start-up of S-532 pursuant to Authority to Construct #6201, Permittee/Owner/ Operator shall ensure that S-46 Fixed Roof Tank, Capacity: 252K gal is not operated and is permanently taken out of service, additionally the Permit to Operate for S-46 shall become null and void. (basis: offsets)

COND# 20520 ----------

S-1485 Internal Floating Roof Tank; Tank A-870, Capacity: 130,000 BBL, Storing: Gasoline Blending Components

1) Permittee/Owner/Operator shall ensure that the total throughput of all VOC/petroleum materials to S-1485 does not exceed 11,000,000 barrels during every 12 consecutive month period.
(basis: cumulative increase, toxics, offsets)

2) Permittee/Owner/Operator shall ensure that the true vapor pressure of each and all VOC/petroleum materials throughput to and/or stored in S-1485 is always less than or equal to 11 psia.
(basis: cumulative increase, toxics, offsets)

3) Permittee/Owner/Operator shall ensure that S-1485 is of welded construction, that its primary seal is a District approved liquid mounted mechanical shoe seal, that its secondary seal is a District approved zero gap rim mounted seal, that all roof penetrations at S-1485 are gasketted, that each adjustable roof leg at S-1485 is fitted with a District approved vapor seal boot, that each slotted guide pole is equipped with a District approved float and wiper seal and pole sleeve.
(basis: BACT, Regulation 8-5, cumulative increase, toxics, NSPS, Regulation 10 Subpart Kb, offsets)

4) During permitting of S-1485, Permittee/Owner/Operator disclosed to the District that S-1485 will be equipped with the following fittings, in the number indicated in parenthesis:
access hatch (1)
gauge hatch sample well (1)
vacuum breaker (1)
slotted guide pole-sample well (1)
ladder well (1)
automatic gauge float well (1)

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adjustable roof leg (52)
SAAB radar level gauge or equivalent (1)

Not more than 30 days after Permittee/Owner/Operator first places any petroleum material into S-1485, Permittee/Owner/Operator shall ensure that the District's Permit Services Division is in receipt of a written notification disclosing by type, number, and name, each and all fittings situated at S-1485.

If, after construction of S-1485, the District determines that the fittings situated at S-1485 result in a POC emission rate that is excess of the amount of POC emissions offset by Permittee/Owner/Operator then, Permittee/Owner/Operator shall surrender to the District, District approved emission reduction credits of the type and amount specified by the District. Permittee/Owner/Operator shall ensure that the District is in receipt of the District approved emission credits not more than 30 days after receipt of the District's written request for the offsets.

Conversely, if the District's quantification of permitted emissions for S-1485 is less than the amount of District approved emission reduction credits offset by Permittee/Owner/Operator, then then the District shall refund to Tesoro the amount of credits the District determines to be due to Tesoro based on the District's quantification of permitted and offset emissions for S-1485.
(basis: cumulative increase, toxics, offsets)

5) Permittee/Owner/Operator shall ensure that no VOC/petroleum material other than heavy cracked naphtha, cat cracked heavy naphtha, heavy naphtha reformate, heavy catalytic reformed naphtha, medium reformate fractionator bottoms, stabilized reformate, FCC gasoline, and/or FCC Merox product is throughput to or stored at S-1485, unless Permittee/Owner/Operator complies with each and all of the following:
a) the Permittee/Owner/Operator shall ensure that the storage of each material complies with all other conditions applicable this source.
b) the Permittee/Owner/Operator shall ensure the storage of each material complies with all other applicable regulatory requirements applicable to this source.
c) the Permittee/Owner/Operator shall ensure that it creates and maintains accurate and factual District approved records that demonstrate to the District's satisfaction that no toxin listed in Table ~~2-1-316~~2-5-1 is emitted from S-1485 in an amount in excess of the toxin's respective trigger emission level set forth in Table ~~2-1-316~~2-5-1.
(basis: cumulative increase, toxics, offset)

6) On a monthly basis, in a District approved log, the Permittee/Owner/Operator shall record the throughput of each VOC/petroleum material throughput to S-1485, in gallon or barrel units, by the material's MSDS name true name as disclosed on the material's MSDS (e.g., cat cracked heavy naphtha, medium reformate fractionator bottoms, stabilized reformate, FCC gasoline) for each month and for each rolling 12 consecutive month period. The Permittee/Owner/Operator shall ensure that the District approved log is retained on site for not less than 5 years from date of last entry, and that it is be made available to District staff upon request.

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(basis: cumulative increase, toxics, offsets)

Condition 20573
S-56 On-Shore Fire-Water Pump: Diesel Engine, Make: Caterpillar, Model: 3412DIT, Rated Horsepower: 660 HP

1. Hours of Operation: Permittee/Owner/Operator shall ensure that S-56 is operated exclusively to mitigate emergency conditions or for reliability-related activities. For S-56, Permittee/Owner/Operator shall ensure that operation for reliability-related activities does not exceed 100 hours in each calendar year. Operation while mitigating emergency conditions is unlimited.
[Basis: Toxic Risk Screen]

2. "Emergency Conditions" is defined as any of the following:
a. Impending threat of fire
b. Fire
[Basis: Reg. 9-8-231]

3. "Reliability-related activities" is defined as any of the following:
a. Operation of an emergency standby engine to test its ability to perform for an emergency use, or
b. Operation of an emergency standby engine during maintenance of a primary motor.
[Basis: Reg. 9-8-232]

4. Permittee/Owner/Operator shall ensure that S-56 is equipped with:
a. a non-resettable totalizing meter that measures and records the hours of operation for the engine.
[Basis: Reg. 9-8-530]

5. Records: Permittee/Owner/Operator shall ensure that for S-56, the following monthly records are maintained in a District-approved log and retained on site for at least 5 years from date of last entry, and that these records are made available for District inspection upon request:
a. Hours of operation (total).
b. Hours of operation (emergency).
c. For each emergency, the nature of the emergency condition.
d. Fuel usage each month by fuel type.
Basis: Reg. 9-8-530, Reg. 1-441]

S-57 Off-Shore/Wharf Fire-Water Pump: Diesel Engine, Make: Caterpillar, Model: 3412DIT, Rated Horsepower: 700 HP

1. Hours of Operation: Permittee/Owner/Operator shall ensure that S-57 is operated exclusively to mitigate emergency conditions or for reliability-related activities. For S-57, Permittee/Owner/Operator shall ensure that operation for reliability-related activities does not

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exceed 100 hours during each rolling12 consecutive month period. Operation while mitigating emergency conditions is unlimited.
[Basis: Toxic Risk Screen, cumulative increase]

2. "Emergency Conditions" is defined as any of the following:
a. Impending threat of fire
b. Fire
[Basis: Reg. 9-8-231, cumulative increase]

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

4. Permittee/Owner/Operator shall ensure that S-57 is equipped and operated with:
a. a District approved non-resettable totalizing meter that measures and records the hours of operation for S-57.
Basis: Reg. 9-8-530, cumulative increase]

5. Records: Permittee/Owner/Operator shall ensure that for S-57, the following monthly records are maintained in a District-approved log and retained on site for at least 5 years from date of last entry, and that these records are made available for District inspection upon request:
a. Hours of operation (total).
b. Hours of operation (emergency).
c. For each emergency, the nature of the emergency condition.
d. Fuel usage each month by fuel name.
[Basis: Reg. 9-8-530, Reg. 1-441, cumulative increase]

6. Permittee/Owner/Operator shall ensure that on August 1, 2003 and thereafter, no fuel other than CARB Ultra Low Sulfur diesel fuel is fired at S-57. CARB Ultra Low Sulfur diesel fuel has a total sulfur content not greater than 15 ppmw.
[Basis: BACT, cumulative increase]

CONDITION # 20672
Application #6945; Amended by Application #7776; Supercedes Condition 20672 Parts B1 through B10

S-1487 Tank 38 Fire-Water Pump Engine; Diesel Fired, 420 BHP, Caterpillar 3406DBITA; Maximum Firing Rate: 2.79 MMBtu/hr

A1. Permittee/Owner/Operator shall operate S-1487 exclusively to mitigate emergency conditions or for reliability-related activities. For S-1487,

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Permittee/Owner/Operator shall ensure that operation for reliability-related activities does not exceed 100 hours during each rolling 12 consecutive month period. Operation while mitigating emergency conditions is unlimited.
(basis: cumulative increase, toxics)

A2. "Emergency Conditions" is defined as any of the following:
A. Impending threat of fire
B. Fire
(Basis: Reg. 9-8-231)

A3. "Reliability-related activities" is defined as any of the following:
A. Operation of S-1487 to test its ability to perform for an emergency use, or
B. Operation of S-1487 during maintenance of a primary motor.
(basis: Reg. 9-8-232)

A4. Permittee/Owner/Operator shall equip S-1487 with:
A. a non-resettable totalizing meter that measures and records the hours of operation for S-1487.
(basis: Reg. 9-8-530)

A5. Permittee/Owner/Operator shall ensure that S-1487 is capable of operation with NOx emissions less than or equal to 9.65 grams/bhp-hr.
(basis: BACT)

A6. Permittee/Owner/Operator shall ensure that S-1487 is capable of operation with CO emissions less than or equal to 1.71 grams/bhp-hr. (basis: BACT)

A7. Records: Permittee/Owner/Operator shall record each of the following each month in a District approved log for S-1487:
A. Hours of operation (total).
B. Hours of operation (emergency).
C. For each emergency, the nature of the emergency condition.
D. Fuel usage each month by fuel type.

Permittee/Owner/Operator shall ensure that the District approved log is retained on site for at least 5 years from date of last entry and that the log is made available to the District staff upon request.
(basis: Reg. 9-8-530, Reg. 1-441)

A8. t S-1487, Permittee/Owner/Operator shall fire no fuel other than CARB Ultra Low Sulfur diesel fuel with a maximum sulfur content not to exceed 15 ppmw at S-1487.
(basis: BACT, cumulative increase)

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A9. Permittee/Owner/Operator shall, not more than 30 days after initial start-up, conduct a District approved source test to demonstrate compliance with Part A5 of these conditions.

Permittee/Owner/Operator shall, within 45 days of the date of completion of the District approved source test, submit two identical copies of the results of the source test, each referencing permit application #6945, S-1487, and plant #14628 to the District's Engineering Division. Permittee/Owner/Operator shall ensure that the District is in receipt of both copies of the source testing results not more that 45 days after the date of the source testing. (basis: BACT, cumulative increase, start-up)

S-1488 Canal Fire-Water Pump Engine; Diesel Fired, 538 BHP, Caterpillar 3412T; Maximum Firing Rate: 3.5 MMBtu/hr

B1. Permittee/Owner/Operator shall operate S-1488 exclusively to mitigate emergency conditions, for reliability-related activities,or to conduct District approved source testing pursuant part B10 of these conditions. For S-1488, Permittee/Owner/Operator shall ensure that operation for reliability- related activities does not exceed 100 hours during each rolling 12 consecutive month period. Operation while mitigating emergency conditions is unlimited. (basis: cumulative increase, toxics)

B2. "Emergency Conditions" is defined as any of the following:
A. Impending threat of fire
B. Fire
(Basis: Reg. 9-8-231)

B3. "Reliability-related activities" is defined as any of the following:
A. Operation of S-1488 to test its ability to perform for an emergency use, or
B. Operation of S-1488 during maintenance of a primary motor.
(basis: Reg. 9-8-232)

B4. Permittee/Owner/Operator shall equip S-1488 with a District approved:
A. non-resettable totalizing meter that measures and records the hours of operation for S-1488. (basis: Reg. 9-8-530)

B5 Permittee/Owner/Operator shall only operate S-1488 at a brake specific NOx emission rate less than or equal to 8.0 grams/bhp-hr.
(basis: BACT)

B6. Permittee/Owner/Operator shall only operate S-1488 at a brake specific CO emission rate less than or equal to 1.15 grams/bhp-hr.
(basis: BACT)

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B7. Permittee/Owner/Operator shall only operate S-1488 at a brake specific PM-10 emission rate less than or equal to 0.22 grams/bhp-hr.
(basis: cumulative increase, offsets)

B8. Records: Permittee/Owner/Operator shall record each of the following each month in a District approved log for S-1488:
A. Hours of operation (total).
B. Hours of operation (emergency).
C. For each emergency, the nature of the emergency condition.
D. Fuel usage each month by fuel type.

Permittee/Owner/Operator shall retain the District approved log on site for at least 5 years from date of last entry and ensure that the log is made available to the District staff upon request.
(basis: Reg. 9-8-530, Reg. 1-441)

B9. At S-1488, Permittee/Owner/Operator shall fire no fuel other than CARB Ultra Low Sulfur diesel fuel with a maximum sulfur content not to exceed 15 ppmw is used at S-1488.
(basis: BACT, cumulative increase)

B10. Not more than 30 days after initial start-up of S-1488, Permittee/Owner/Operator shall conduct a District approved source test at S-1488 to demonstrate compliance with Part B5, Part B6, and Part B7 of these conditions.

Permittee/Owner/Operator shall, within 60 days of the date of completion of the District approved source test, submit four identical copies of the results of the source test and supporting information, each referencing permit application #7776, S-1488, and plant #14628, to the District with one copy addressed to the District's Source Test Manager per the Manual of Procedures, with another copy addressed to the Director of the Compliance and Enforcement Division, and with two copies addressed to the District's Engineering Division. Permittee/Owner/Operator shall ensure that the District is in receipt of all four copies of the source testing results and supporting documentation not more that 60 days after the date of the source testing.
(basis: BACT, cumulative increase, start-up)

COND# 20682 ----------

S-659 Coke Storage Tank (Silo) A-659 abated by A-9 Coke Silo Electrostatic Precipitator

S-660 Coke Storage Tank (Silo) A-660 abated by A-9 Coke Silo Electrostatic Precipitator

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1. Permittee/Owner/Operator shall ensure that S-659 and S-660 are abated by A-9 at all times that petroleum coke transfer operations occur at/to/from S-659 and/or S-660 and at all times that there is air flow from S-659 and/or S-660 to A-9.
(basis: cumulative increase)

2. Permittee/Owner/Operator shall ensure that the total throughput of petroleum coke to S-659 and S-660 does not exceed 1,016,160 tons during each rolling consecutive 12 month period.
(basis: cumulative increase)

3. In a District approved log, Permittee/Owner/ Operator shall record the amount of petroleum coke transferred to S-659 and S-660 during each month and during each rolling 12 consecutive month period. The District approved log shall be retained on site for at least 5 years from date of last entry and shall be made available to the District staff upon request.
(basis: cumulative increase)

COND# 20923
Application #7768

S-134 Fixed Cone Roof Tank; Tank A-134,
Capacity: 651,000 Gallons,
Storing: Recovered Oil
abated by A-14 Vapor Recovery System

1.) Permittee/Owner/Operator shall ensure that the total throughput of all VOC/petroleum materials to S-134 does not exceed 700,000 barrels during every 12 consecutive month period.
(basis: cumulative increase, toxics, offsets)

2.) Permittee/Owner/Operator shall ensure that no VOC/petroleum material other than recovered oil/slop oil is throughput to or stored in S-134.
(basis: cumulative increase, offsets)

3.) Permittee/Owner/Operator shall ensure that S-134 is abated by A-14 Vapor Recovery System at all times that VOC/petroleum material is throughput to or stored/contained in S-134.
(basis: BACT, Regulation 8-5, cumulative increase, toxics, NSPS, Regulation 10 Subpart Kb, offsets)

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4.) On a monthly basis, in a District approved log, the Permittee/Owner/Operator shall record the throughput of each VOC/petroleum material throughput to S-134, in gallon or barrel units, by the material's name as disclosed on the MSDS for the material (e.g., slop oil/recovered oil) for each month and for each rolling 12 consecutive month period. The Permittee/Owner/Operator shall ensure that the District approved log is retained on site for not less than 5 years from date of last entry, and that it is be made available to District staff upon request.
(basis: cumulative increase, toxics, offsets)

Condition 21053
Tesoro Refining and Marketing Company
150 Solano Way
Martinez, CA 94533

1. Deleted. (See discussion of Compliance with Regulation 9-1-313.2 in the Revision 2 Statement of Basis).

2. The Owner/Operator shall monitor and record on a monthly basis the visible emissions from Sources S-1401, S-1404, and S-1411 to demonstrate compliance with Regulation 6-301 (~~Ringlemann~~Ringelmann 1 or 20% opacity). These records shall be kept for a period of at least 5 years from date of entry and shall be made available to District staff upon request. [Basis: Regulation 6-301]

3. The Owner/Operator shall conduct an annual District-approved source test on the S-323, to demonstrate that the combined collection/destruction efficiency of A-14 is no less than 99.5%, by weight, for VOC. The Owner/Operator shall submit the test results to the District's Compliance and Enforcement Division and the District's Engineering Division no less than 30 days after the test. These records shall be kept for a period of at least 5 years from date of entry and shall be made available to District staff upon request. [Basis: BAAQMD Condition 13605, Part 3 and 4, and BAAQMD Regulation 2-1-403]

4. To allow sufficient time to prepare test plans, train employees, and install any necessary equipment, the monitoring requirements are effective April 1, 2004.

5. Deleted. (See discussion of Compliance with Regulation 9-1-313.2 in the Revision 2 Statement of Basis).

6. The owner/operator of the listed tanks shall abate them by the A14 Vapor Recovery System at all times of operation, except as allowed in Regulation 8-5. A14 Vapor Recovery System compresses the vapors to be mixed with the refinery fuel gas system for combustion in S908, S909, S912, S913, or S991. The owner/operator will meet a POC destruction efficiency of at least 95% by weight.

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Tanks: S318, S367, S134, S137, S513 (basis: 60.113b(c)(2))
Tanks: S323, S317, S324, S431, S432, S457, S46, S603, (basis: 63.646(a), 63.120(d)(5))
Tank: S700 (basis: Regulation 8-8-305.2)

7. The owner/operator shall conduct a District approved source test at each of the following sources every 5 years in the year prior to the Title V Permit Renewal.:

S-908 No. 8 Furnace @ No. 3 Crude Unit
S-909 No. 9 Furnace @ No. 1 Feed Prep.
S-912 No. 12 Furnace @ No. 1 Feed Prep.
S-913 No. 13 Furnace @ No. 2 Feed Prep.
S-991 FCCU Preheat Furnace

to measure for each source each of the following:

the fuel feed rate in pounds/hr
the POC emission rate at the stack
the flue gas flow rate in SCFM at the stack
the oxygen content of the stack flue gas
the destruction efficiency of POC/VOC as mea-sured across the Furnace/combustion device

The owner/operator shall ensure that two copies of the results of the source testing along with related calculations and relevant process data are received by the District's Engineering Division not more than 45 days following the date of the source test.

COND# 21100 ----------

Condition #21100:
Application #8002 (December 11, 2003)
Amended by Application #9728 (June 25, 2004): Increase vapor pressure from 8 to 11 psig, decrease throughput from 5,500,000 barrels/yr to 2,500,000 barrels/yr, add monitoring.
Amended by Application 10659: Clarification of conditions including "net" versus "total" throughput limit.

S-1496 Fixed Roof Tank; Tank A-876, Capacity: 80,000 Barrels, Storing: Heavy Reformate with Pentanes, Straight Run Heavy Naphtha abated by A-14 Vapor Recovery System

1) The total net throughput at tank S-1496 shall not exceed 2,500,000 barrels in any consecutive 12-month period. The owner/operator shall use a radar-monitoring device to measure the height of the tank. The owner/operator shall use the change in height to calculate throughput.

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(basis: Cumulative Increase, Toxic Risk Screen, Offsets)

2) Notwithstanding any provision of District regulations allowing for the malfunction of A-14 due to a valid break down at No. 1 Gas Plant vapor recovery compressor(s), the owner/operator shall ensure that S-1496 (excluding the pressure vacuum relief valve vent), including the pressure vent at S- 1496, is abated by A-14 at all times. The A-14 Vapor Recovery System shall have a destruction efficiency of at least 99.5% by weight as measured across the combustion device(s) burning the vapors from the fuel gas system.
(basis: Cumulative Increase, Toxic Risk Screen, Offsets, Regulation 8-5, NSPS, Regulation 10 Subpart Kb)

3) Materials stored in S-1496 shall be limited to the following:

a. Heavy reformate, heavy reformate with pentanes, fractionator splitter bottoms, conventional gasoline stock, heavy naphtha, or straight run gasoline with a true vapor pressure less than 11 psia.
b. A liquid other than those specified above may be stored in S-1496, provided that both of the following criteria are met:
1. True vapor pressure must be less than 11 psia
2. POC emissions, based on the maximum throughput in part 1, do not exceed 8,868 pounds per year; and
3. toxic emissions in lbs/year, based on the maximum throughput in part 1, do not exceed any risk screening trigger level.
(basis: Cumulative Increase, Toxic Risk Screen, Offsets)

4) To determine compliance with part 2, the owner/operator shall conduct a District approved source test at each of the following sources every 5 years in the year prior to the Title V Permit Renewal (initial compliance has been demonstrated in a source test for AN 6201 by TIAX on October 28, 2003).

S-908 No. 8 Furnace @ No. 3 Crude Unit
S-909 No. 9 Furnace @ No. 1 Feed Prep.
S-912 No. 12 Furnace @ No. 1 Feed Prep.
S-913 No. 13 Furnace @ No. 2 Feed Prep.
S-991 FCCU Preheat Furnace

For each source, the owner/operator must measure the following:
- the fuel feed rate in pounds/hr
- the POC emission rate at the stack
- the flue gas flow rate in SCFM at the stack
- the oxygen content of the stack flue gas
- the stack temperature
- the destruction efficiency of POC as measured across the combustion device

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The owner/operator shall submit individual copies of the results of the source tests (along with related calculations and process data) to the District's Engineering Division, Enforcement Division, and Source Test Division within 35 days of the source test.
(basis: Cumulative Increase, Toxic Risk Screen, Offsets, Regulation 1-238)

5) To determine compliance with the above parts, the owner/operator shall maintain the following records and provide all of the data necessary to evaluate compliance with the above conditions, including, but not necessarily limited to, the following information:

a. On a monthly basis, type and amount of liquids stored and true vapor pressure ranges of such liquids.
b. The throughput of material shall be added and recorded in the log for each month and for each rolling consecutive 12-month period.
c. The time, date, duration, and reason for each instance that S-1496 is not abated by A-14.

These records shall be kept on-site for at least 5 years. All records shall be recorded in a District-approved log 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, Toxic Risk Screen, Offsets, Regulation 1-441, Regulation 8-5-501, Regulation 1-238)

Condition 21186
Application 6820

S-916 No. 16 Furnace - No. 1 HDS Heater; Firing Refinery Fuel Gas, Natural Gas, Maximum Firing Rate: 55 MMBtu/hr

S-917 No. 17 Furnace - No. 1 HDS Prefractionator Reboiler, Maximum Firing Rate: 18 MMBtu/hr

1. Once each day while 100# Fuel Gas is fired at S-916 and/or S-917, except for 36 calendar days per rolling 52 consecutive week period, and except for each calendar day when no fuel is fired at S-916 and S-917, and except for each calendar day that natural gas is fired exclusively at both S-916 and S-917, Permittee/Owner/Operator shall sample the Fuel Gas to be fired at S-916 and/or S-917 directly upstream of burner fuel gas feed line to S-916 and S-917, and Permittee/Owner/Operator shall ensure that the sample is subjected to laboratory analysis to determine the total reduced sulfur (TRS) content of the sample, in ppmvd units. Permittee/Owner/Operator shall ensure that the laboratory analysis method employed is a method that is approved by the District.
(basis: cumulative increase, BACT, offsets, Regulation 2-1-403)

2. Not more than 14 days after the date that each sample of the Fuel Gas sample is taken pursuant to part 1 of these conditions, Permittee/Owner/Operator shall ensure that the laboratory

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analysis of the sample is completed and that the result of each sample analysis, disclosing the TRS content of the sample in ppmvd, is recorded in a District approved log.
(basis: cumulative increase, BACT, offsets, Regulation 2-1-403)

3. Permittee/Owner/Operator shall ensure that the TRS content of the Fuel Gas to be fired at S-916 and/or S-917 is NOT greater than 300 ppmvd. This condition will have been violated when the result of any daily laboratory analysis of the TRS content of the Fuel Gas to be fired at S-916 and/or S-917 is greater than 300 ppmvd.
(basis: cumulative increase, BACT, offsets, Regulation 2-1-403)

4. Permittee/Owner/Operator shall ensure that annual average of the daily Fuel Gas sample TRS analysis results is NOT greater than 281 ppmvd. This condition will have been violated when the annual average of the daily Fuel Gas sample TRS analysis results is greater than 281 ppmvd. Permittee/Owner/Operator shall determine the annual average of the daily Fuel Gas sample TRS analysis results by summing the TRS analysis results of each day during each rolling 52 consecutive week period, and dividing the sum by the number of days of sample analysis results.
(basis: cumulative increase, BACT, offsets, Regulation 2-1-403)

5. Permittee/Owner/Operator shall begin daily sampling and analysis of the Fuel Gas to be fired at S-916 and S-917 as required by these conditions 120 days after the date of issuance disclosed on the Permit to Operate issued under permit application #6820.
(basis: cumulative increase, BACT, offsets, Regulation 2-1-403)

6. Not more than 30 days after the date of issuance disclosed on the Permit to Operate issued under permit application #6820, Permittee/Owner/Operator shall provide the District's Engineering Division with a list of the variables that affect the TRS content of the 100# Fuel Gas, a description of the emissions impact of each variable, and an an explanation of what, if anything, Permittee/Owner/Operator currently does to control each variable.
(basis: Regulation 2-1-403)

7. Each calendar day, in a District approved log, Permittee/Owner/Operator shall record:

A. Each fuel fired at S-916 each calendar day.

B. Each fuel fired at S-917 each calendar day.

C. Each calendar day that no fuel is fired at S-916.

D. Each calendar day that no fuel is fired at S-917.

E. Not more than 14 days after the date that a sample of Fuel Gas is taken pursuant to part 1 of these conditions, the results of each analysis disclosing the TRS content of the Fuel Gas sample, in units of ppmvd, along with the date the sample was taken, the District approved laboratory method used, and the identity of the entity completing the laboratory sample analysis.

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F. The annual average of the daily Fuel Gas sample TRS analysis results.

Permittee/Owner/Operator shall ensure that each District approved log required pursuant to these conditions is kept on site, is retained for a period of not less than 5 years from date of last entry, and is made available to the District upon request.
(basis: cumulative increase, BACT, offsets, Regulation 2-1-403)

COND# 21393 ----------

Application #9129 (April 2004)

S-871 Tank A-871, External Floating Roof, Capacity: 13,146K gallons, Crude and Low Sulfur Vacuum Gas Oil Storage

1) The total throughput at tank S-871 shall not exceed 20,000,000 barrels in any consecutive 12-month period.
(basis: Cumulative Increase, Toxic Risk Screen, BACT)

2) Materials stored in S-871 shall be limited to the following:
a. Crude or low sulfur vacuum gas oil with a true vapor pressure less than 11 psia
b. A liquid other than those specified above may be stored in S-871, provided that both of the following criteria are met:
1. true vapor pressure must be less than 11 psia
2. POC emissions, based on the maximum throughput in part 1, do not exceed 15,904 pounds per year; and
3. toxic emissions in lbs/year, based on the maximum throughput in part 1, do not exceed any risk screening trigger level.
(basis: Cumulative Increase, Toxic Risk Screen)

3) The owner/operator disclosed to the District that S-871 would be equipped with the following fittings:

Access Hatch (1)
Slotted Guide Pole (1)
Radar Gauge System (1)
Vacuum Breaker (1-12")
Roof Leg, Pontoon Area (40)
Roof Leg, Center Area (60)
Roof Drain, 90% closed (2)
Roof Drain, open to atmosphere (not hydrocarbon in tank) (1-6")

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Within 30 days of loading any petroleum material into S-871, the owner/operator shall notify the District's Permit Evaluation Section in writing of the type and quantity of all fittings. If the District determines that the fittings at S-871 result in a POC emission rate in excess of the amount of POC emissions offset, then the owner/operator shall surrender District-approved emission reduction credits of the type and amount specified by the District. The emission reduction credits must be received by the District within 30 days after receipt of the District's written request for offsets. If the District's calculations of permitted emissions from S-871 are less than the emissions offset by the owner/operator,then the District shall refund the amount of credits that are in excess of emissions.
(basis: Cumulative Increase, Toxic Risk Screen, Offsets)

4) To determine compliance with the above conditions, the owner/operator shall maintain the following records and provide all of the data necessary to evaluate compliance with the above conditions,including, but not necessarily limited to, the following information:
a. On a monthly basis, type and amount of liquids stored and true vapor pressure ranges of such liquids. These records shall be kept for at least 5 years.
b. For external floating roof tanks, the owner/operator who replaces all or part of a primary or secondary seal shall keep an accurate record of the length of seal replaced and the date(s) on which replacement occurred. These maintenance records shall be kept for at least 10 years.
All records shall be recorded in a District-approved log 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, Regulation 1-441, Regulation 8-5-501)

COND# 21535 ----------

Application #9160 (June 15, 2004)

S-1491 Fixed Volume Portable Tank #3; Storing: Slop Oil and Water Mixture, Capacity: 500 BBL abated in series by A-1001 Carbon Canister 200 LB Activated Carbon and A-1002 Carbon Canister 200 LB Activated Carbon

1) The total throughput at tank S-1491 shall not exceed 13,000 barrels in any consecutive 12-month period.
(basis: Cumulative Increase, Toxic Risk Screen)

2) The owner/operator shall abate S-1491 with A-1001 and A-1002 Carbon Canisters in series at all times. The carbon canisters (200 lb/each activated carbon) shall have an overall collection and adsorption efficiency of at least 95% by weight POC.
(basis: Cumulative Increase, Toxic Risk Screen)

3) Materials stored in S-1491 shall be limited to the following:

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a. Crude or low sulfur vacuum gas oil with a true vapor pressure less than 11 psia
b. A liquid other than those specified above may be stored in S-1491, provided that both of the following criteria are met:
1. Slop Oil and water mixture with true vapor pressure must be less than 11 psia
2. POC emissions, based on the maximum throughput in part 1, do not exceed 355.75 pounds per year; and
3. toxic emissions in lbs/year, based on the maximum throughput in part 1, do not exceed any risk screening trigger level.
(basis: Cumulative Increase, Toxic Risk Screen)

4) The owner/operator of this source shall monitor with a photo-ionization detector (PID), flame-ionization detector (FID), or other method approved in writing by the Air Pollution Control Officer at the following locations:

a. At the inlet to the second to last carbon vessel in series.
b. At the inlet to the last carbon vessel in series.
c. At the outlet of the carbon vessel that is last in series prior to venting to the atmosphere.

When using an FID to monitor breakthrough, readings may be taken with and without a carbon filter tip fitted on the FID probe. Concentrations measured with the carbon filter tip in place shall be considered methane for the purpose of these permit conditions.
(basis: Cumulative Increase, Toxic Risk Screen)

5) These monitor readings shall be recorded in a monitoring log at the time they are taken. The monitoring results shall be used to estimate the frequency of carbon change-out necessary to maintain compliance with parts number 6 and 7, and shall be conducted every other day. The owner/operator of this source may propose for District review, based on actual measurements taken at the site during operation of the source, that the monitoring schedule be changed based on the decline in organic emissions and/or the demonstrated breakthrough rates of the carbon vessels. Written approval by the District's Permit Services Division must be received by the owner/operator prior to a change to the monitoring schedule.
(basis: Cumulative Increase, Toxic Risk Screen)

6) The second to last carbon vessel shall be changed out with unspent carbon upon breakthrough, defined as the detection at its outlet of the higher of the following:

a. 10 % of the inlet stream VOC concentration to the Carbon vessel.
b. 10 ppmv or greater VOC (measured as C1).
(basis: Cumulative Increase, Toxic Risk Screen)

7) The last carbon vessel shall be changed out with unspent carbon upon detection at its outlet of 10 ppmv or greater VOC (measured as C1).
(basis: Cumulative Increase, Toxic Risk Screen)

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8) Any exceedance of conditions parts 6 and/or 7 shall be reported to the Permit Services Division with the log as well as the corrective action taken. The submittal shall detail the corrective action taken and shall include the data showing the exceedance as well at the time of occurrence.
(basis: Cumulative Increase, Toxic Risk Screen)

9) To determine compliance with the above conditions, the owner/operator shall maintain the following records and provide all of the data necessary to evaluate compliance with the above conditions, including, but not necessarily limited to, the following information:

a. On a monthly basis, type and amount of liquids stored and true vapor pressure ranges of such liquids.
b. Each monitor reading or analysis result for the day of operation they are taken.
c. The number of carbon beds removed from service.

These records shall be kept on-site for at least 5 years. All records shall be recorded in a District-approved log 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, Regulation 1-441, Regulation 8-5-501)

COND# 21536 ----------

Application #9259 (June 15, 2004)

S-1489 Fixed Volume Portable Tank #1; Storing: Slop Oil and Water Mixture, Capacity: 500 BBL abated in series by A-1001 Carbon Canister 200 LB Activated Carbon and A-1002 Carbon Canister 200 LB Activated Carbon

S-1490 Fixed Volume Portable Tank #2; Storing: Slop Oil and Water Mixture, Capacity: 500 BBL abated in series by A-1001 Carbon Canister 200 LB Activated Carbon and A-1002 Carbon Canister 200 LB Activated Carbon

1) The total throughput at tank S-1489 shall not exceed 13,000 barrels in any consecutive 12-month period.
(basis: Cumulative Increase, Toxic Risk Screen)

2) The total throughput at tank S-1490 shall not exceed 13,000 barrels in any consecutive 12-month period.
(basis: Cumulative Increase, Toxic Risk Screen)

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3) The owner/operator shall abate S-1489 and S-1490 with A-1001 and A-1002 Carbon Canisters in series at all times. The carbon canisters (200 lb/each activated carbon) shall have an overall collection and adsorption efficiency of at least 95% by weight POC.
(basis: Cumulative Increase, Toxic Risk Screen)

4) Materials stored in S-1489 and S-1490 shall be limited to the following:

a. Slop Oil and water mixture with a true vapor pressure less than 11 psia
b. Liquids other than those specified above may be stored in S-1489 and S-1490, provided that both of the following criteria are met:
1. true vapor pressure must be less than 11 psia
2. POC emissions, based on the maximum throughput in parts 1 and 2, do not exceed 711.50 pounds per year;and
3. toxic emissions in lbs/year, based on the maximum throughput in parts 1 and 2, do not exceed any risk screening trigger level.
(basis: Cumulative Increase, Toxic Risk Screen)

5) The owner/operator of this source shall monitor with a photo-ionization detector (PID), flame-ionization detector (FID), or other method approved in writing by the Air Pollution Control Officer at the following locations:

a. At the inlet to the second to last carbon vessel in series.
b. At the inlet to the last carbon vessel in series.
c. At the outlet of the carbon vessel that is last in series prior to venting to the atmosphere.

When using an FID to monitor breakthrough, readings may be taken with and without a carbon filter tip fitted on the FID probe. Concentrations measured with the carbon filter tip in place shall be considered methane for the purpose of these permit conditions.
(basis: Cumulative Increase, Toxic Risk Screen)

6) These monitor readings shall be recorded in a monitoring log at the time they are taken. The monitoring results shall be used to estimate the frequency of carbon change-out necessary to maintain compliance with parts number 7 and 8, and shall be conducted every other day. The owner/operator of this source may propose for District review, based on actual measurements taken at the site during operation of the source, that the monitoring schedule be changed based on the decline in organic emissions and/or the demonstrated breakthrough rates of the carbon vessels. Written approval by the District's Permit Services Division must be received by the owner/operator prior to a change to the monitoring schedule.
(basis: Cumulative Increase, Toxic Risk Screen)

7) The second to last carbon vessel shall be changed out with unspent carbon upon breakthrough, defined as the detection at its outlet of the higher of the following:
a. 10 % of the inlet VOC stream concentration to the Carbon vessel.
b. 10 ppmv or greater VOC (measured as C1).

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(basis: Cumulative Increase, Toxic Risk Screen)

8) The last carbon vessel shall be changed out with unspent carbon upon detection at its outlet of 10 ppmv or greater VOC (measured as C1).
(basis: Cumulative Increase, Toxic Risk Screen)

9) Any exceedance of conditions parts 7 and/or 8 shall be reported to the Permit Services Division with the log as well as the corrective action taken. The submittal shall detail the corrective action taken and shall include the data showing the exceedance as well at the time of occurrence.
(basis: Cumulative Increase, Toxic Risk Screen)

10) To determine compliance with the above conditions, the owner/operator shall maintain the following records and provide all of the data necessary to evaluate compliance with the above conditions, including, but not necessarily limited to, the following information:

a. On a monthly basis, type and amount of liquids stored and true vapor pressure ranges of such liquids.
b. Each monitor reading or analysis result for the day of operation they are taken.
c. The number of carbon beds removed from service.

These records shall be kept on-site for at least 5 years. All records shall be recorded in a District-approved log 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, Regulation 1-441, Regulation 8-5-501)

Condition 21751

Application #9788 (September 17, 2004)
Application #10880 (October, 2004): Amendment to refund offsets and clarify conditions.

Ultra Low Sulfur Diesel Project

S-920 No. 2 HDS Charge Heater, No. 20 Furnace, Foster Wheeler, Maximum Firing Rate: 63 MMBtu/hr

S-1001 No. 50 Crude Unit

S-1003 No. 2 HDS Unit

1) Not more than 30 days after the start-up of the Ultra Low Sulfur Diesel Project (S-920, S-1001, and S-1003), the owner/operator shall provide the District's Engineering Division

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with a final count of fugitive components installed. The owner/operator has been permitted for an increase in the following fugitive components:

22 valves in gas service
15 valves is liquid service
30 connectors/flanges

(basis: Cumulative Increase, offsets)

2) If there is an increase in the total fugitive component emissions, the plant's cumulative emissions for the project shall be adjusted to reflect the difference between emissions based on predicted versus actual component counts. The owner/operator shall provide to the District all additional required offsets at an offset ratio of 1.15:1 no later than 14 days after submittal of the final POC fugitive count. If the actual component count is less than the predicted, the total will be adjusted accordingly and all emission offsets applied by the owner/operator in excess of the actual total fugitive emissions will be credited back to the owner/operator.
(basis: offsets)

3) The owner/operator shall install valves, in light hydrocarbon service, that are of District approved BACT compliant technology (bellows valves, diaphragm valves, live loaded valves, or the equivalent) such that fugitive organic emissions shall not exceed 100 ppm.
(basis: BACT, Regulation 8-18)

4) The owner/operator shall install flanges and connectors, in light hydrocarbon service, that are of District approved BACT compliant technology (graphitic gaskets or the equivalent) such that fugitive organic emissions shall not exceed 100 ppm.
(basis: BACT, Regulation 8-18)

5) The owner/operator shall install pump seals, in light hydrocarbon service, that are of District approved BACT compliant technology (double mechanical seals with barrier fluid or the equivalent) such that fugitive organic emissions shall not exceed 500 ppm.
(basis: BACT, Regulation 8-18)

6) The owner/operator shall install compressor seals, in light hydrocarbon service, that are of District approved BACT compliant technology (double mechanical seals with barrier fluid or the equivalent) such that fugitive organic emissions shall not exceed 500 ppm.
(basis: BACT, Regulation 8-18)

7) The owner/operator shall ensure that each pressure relief valve installed in hydrocarbon service is vented to the refinery fuel gas system or an abatement device with a capture and destruction efficiency of at least 98% by weight.
(basis: BACT, Regulation 8-28)

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8) In accordance with the provisions of Regulation 8-18, the owner/operator shall integrate all new fugitive equipment in organic service installed as part of the Ultra Low Sulfur Diesel Project into the facility fugitive equipment monitoring and repair program.
(basis: BACT, Regulation 8-18)

COND# 21849 ----------

PERMIT CONDITIONS
Application #10668 (October 29, 2004)
Loading Rack Modernization Project
Application #10668 (October 29, 2004): Loading Rack Modernization Project Application #13493 (October, 2005): Modification of emission limit from S-1025 to the RACT and Regulation 8-33-301 level of 0.08 lb POC per 1000 gallon of material loaded.

S-613 Vapor Recovery Tank A-613; Fixed Roof Tank, Capacity 420K Gallons, Storing: Organic Liquid

S-696 Tank A-696; Internal Floating Roof Tank, Capacity 630K Gallons, Storing: Gasoline

S-1025 Bulk Terminal Bottom Loading Facilities: Gasoline, Naphtha, Kerosene, Diesel, Fuel Oil, Ethanol

S-1504 Bulk Terminal Unloading Rack: Ethyl Alcohol

Fugitive Components

1) Not more than 30 days after the start-up of the Loading Rack Modernization Project (S-613, S-6961, S- 1025, and S-1504), the owner/operator shall provide the District's Engineering Division with a final count of fugitive components installed. The owner/operator has been permitted for an increase in the following fugitive components:

33 valves in gas service
460 valves is liquid service
4 pumps
1 PRV in gas service
10 PRVs in liquid service
1630 connectors/flanges

(basis: Cumulative Increase, offsets, toxics risk screen)

2) If there is an increase in the total fugitive component emissions, the plant's cumulative emissions for the project shall be adjusted to reflect the difference between emissions based on predicted versus actual component counts. The owner/operator shall provide to the District all

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additional required offsets at an offset ratio of 1.15:1 no later than 14 days after submittal of the final POC fugitive count. If the actual component count is less than the predicted, the total will be adjusted accordingly and all emission offsets applied by the owner/operator in excess of the actual total fugitive emissions will be credited back to the owner/operator.
(basis: offsets)

3) The owner/operator shall install valves, in light hydrocarbon service, that are of District approved BACT compliant technology (bellows valves, diaphragm valves, live loaded valves, or the equivalent) such that fugitive organic emissions shall not exceed 100 ppm.
(basis: BACT, Regulation 8-18, toxics risk screen)

4) The owner/operator shall install flanges and connectors, in light hydrocarbon service, that are of District approved BACT compliant technology (graphitic gaskets or the equivalent) such that fugitive organic emissions shall not exceed 100 ppm.
(basis: BACT, Regulation 8-18, toxics risk screen)

5) The owner/operator shall install pump seals, in light hydrocarbon service, that are of District approved BACT compliant technology (double mechanical seals with barrier fluid or the equivalent) such that fugitive organic emissions shall not exceed 500 ppm.
(basis: BACT, Regulation 8-18, toxics risk screen)

6) The owner/operator shall ensure that each pressure relief valve installed in hydrocarbon service is vented back to the process, to the refinery fuel gas system, or to an abatement device with a capture and destruction efficiency of at least 98% by weight.
(basis: BACT, Regulation 8-28, toxics risk screen)

7) In accordance with the provisions of Regulation 8-18, the owner/operator shall integrate all new fugitive equipment in organic service installed as part of the Loading Rack Modernization Project into the facility fugitive equipment monitoring and repair program.
(basis: BACT, Regulation 8-18)

S-1025 Bulk Plant Bottom Loading Facilities: Gasoline, Naphtha, Kerosene, Diesel, Fuel Oil, Ethanol

8) The owner/operator of S-1025 shall apply for the proper certification from the California Air Resources Board (CARB) for the A-14 Vapor Recovery System prior to startup.
(basis: Regulation 8-33-301, 302)

9) The owner/operator of S-1025 Bulk Plant Loading Facilities shall not exceed the following throughputs.
64,457 barrels (2,707,194 gallons) per day
18,615,000 barrels (781,830,000 gallons) per any 12 month consecutive period
(basis: cumulative increase, offsets, toxic risk screen)

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10) The owner/operator of S-1025 shall not transfer any material other than gasoline, naphtha, kerosene, diesel, fuel oil, or ethanol.
(basis: cumulative increase, offsets, toxic risk screen)

11) To ensure that the S-1025 Bulk Plant Unloading Rack does not exceed an emission factor greater than 0.08 lb POC per 1000 gallons of material loaded, the owner/operator shall:

a) not operate S-1025 unless vented to S-613 Vapor Recovery Tank or A-14 Vapor Recovery System.
b) install a sample line from each of the pressure-vacuum valves located at the loading racks, which is easily accessible by District personnel to determineany valve leakage.
c) install and maintain a pressure switch at the knockout pot, V-61, located at the interface of the vapor outlet of the S-1025 Loading Rack and the inlet to the A-14 Vapor Recovery and S-613 Vapor Recovery Tank Systems. The pressure switch shall be set at 18 inches of water column as measured at the cargo tank/vapor coupler interface located the furthest from the knockout pot, V-61. If the pressure exceeds 18 inches, a high-pressure alarm will shutdown loading rack operations.
d) conduct District approved source tests to determine POC destruction efficiency at the following sources every 5 years in the year prior to the Title V Permit Renewal (initial compliance has been demonstrated in a source test for AN 6201 by TIAX on October 28, 2003).

S-908 No. 8 Furnace @ No. 3 Crude Unit
S-909 No. 9 Furnace @ No. 1 Feed Prep.
S-912 No. 12 Furnace @ No. 1 Feed Prep.
S-913 No. 13 Furnace @ No. 2 Feed Prep.
S-991 FCCU Preheat Furnace

For each source, the owner/operator must measure the following:
- the fuel feed rate in pounds/hr
- the POC emission rate at the stack
- the flue gas flow rate in SCFM at the stack
- the oxygen content of the stack flue gas
- the stack temperature
- the destruction efficiency of POC as measured across the combustion device

The owner/operator shall submit individual copies of the results of the source tests (along with related calculations and process data) to the District's Engineering Division, Enforcement Division, and Source Test Section within 45 days of the source test.
(basis: Cumulative Increase, Toxic Risk Screen, Regulation 8-33-301, Regulation 1-238,BACT)

12) To determine compliance with the parts 8-11, the owner/operator shall maintain the following records and provide all of the data necessary to evaluate compliance with the above conditions, including, but not necessarily limited to, the followinginformation:

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a. California Air Resources Board certification of A-14.
b. On a daily basis, type and quantity of product loaded.
c. The throughput of material shall be added and recorded in the log for each month and for each rolling consecutive 12-month period.
d. The time, date, duration, and reason for each instance that S-1025 is not abated by S-613 and A-14.

These records shall be kept on-site for at least 5 years. All records shall be recorded in a District-approved log 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, Toxic Risk Screen, Offsets, Regulation 1-441, Regulation 1-238)

S-1504 Bulk Plant Unloading Rack: Ethanol

13) The owner/operator of S-1504 Bulk Plant Unloading Rack shall not exceed the following throughput.
400,000 barrels per any 12-month consecutive period
(basis: cumulative increase, offsets, toxic riskscreen)

14) The owner/operator of S-1504 shall not transfer any material other than ethanol.
(basis: cumulative increase, offsets, toxic risk screen)

15) To determine compliance with parts 13 and 14, the owner/operator shall maintain the following records and provide all of the data necessary to evaluate compliance with the above conditions, including, but not necessarily limited to, the following information:

a. On a daily basis amount of ethanol transferred.
b. The throughput of material shall be added and recorded in the log for each month and for each rolling consecutive 12-month period.

These records shall be kept on-site for at least 5 years. All records shall be recorded in a District-approved log 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, Toxic Risk Screen, Offsets, Regulation 1-441, Regulation 1-238, Regulation 8-6-501)

Condition #22070

S-1005 No. 1 Hydrogen Plant: CO2 Vents #1 & #2:

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The owner/operator shall conduct a District approved annual source test at CO2 Vent #1 and CO2 Vent #2 at the S-1005 No. 1 Hydrogen Plant to demonstrate compliance with Regulation 8-2-301 in accordance with District source test methods or other methods approved in advance by the District. A copy of the test report shall be provided to the Engineering Division, the District Director of Compliance and Enforcement, and the District Source Test Division within 45 days of completion of the test. Records of the source test results and any related correspondence with the District's Source Test Division shall be retained on-site by the owner/operator for a minimum of 5 years from the date of the document.
(Basis: Regulation 2-6-409.2)

Condition #22150
For ESPs A8, A11, and A30 abating CO Boiler S903, S904, and S901, respectively.

1. In order to ensure compliance with Regulation 6-310, the owner/operator of A-8 Coker CO Boiler Precipitator, A-11 No. 6 Boiler Plant Precipitator, and A-30 FCCU Electrostatic Precipitator, shall conduct continuous monitoring of ESP opacity monitoring.
   (Basis: Regulation 6-310, 2-6-503)
2. Each time opacity of emissions from A-8 Coker CO Boiler Precipitator, A-11 No. 6 Boiler Plant Precipitator, or A-30 FCCU Electrostatic Precipitator exceeds 30%, except for one 6-minute average opacity reading in any 1-hour period, the owner/operator shall conduct a source test to determine compliance with Regulation 6-310. Each time the opacity exceeds this range, the owner/operator shall conduct a source test to determine compliance with Regulation 6-310. The owner/operator shall conduct the source test within 45 days of detection of the exceedence.
   (Basis: Regulation 6-310, 2-6-503)
3. Exceedences of the opacity compliance range are deviations and shall be reported as deviations in all Title V reports.
   (Basis: Regulation 2-6-503)

Condition 22227

S-823 Heat Exchanger Cleaning Pit North
S-824 Heat Exchanger Cleaning Pit South

1. During heat exchanger tube cleaning at S823 Heat Exchanger Cleaning Pit North and/or S824 Heat Exchanger Cleaning Pit South, the owner/operator shall check hourly for visible emissions. The visible emissions check shall take place while the tube is being cleaned and during daylight hours. If any visible emissions are detected, the operator shall take corrective action within one day, and check for visible emissions after the corrective action is taken. The owner/operator shall

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continue to check for visible emissions on an hourly basis until the tube cleaning activity is completed. [basis: Regulation 2-6-409.2]

2. The owner/operator shall keep records of all visible emissions checks per Part 1 of this condition, the person performing the check, and all corrective action taken. The records shall be retained for five years and shall be made available to District personnel upon request. [basis: Regulation 2-6-409.2]

Condition 22455
Application #12592 (August, 2005)
Amorco Transfer and Metering Project

Fugitive Components

1. Not more than 30 days after the start-up of the Amorco Transfer and Metering Project, the owner/operator shall provide the District's Engineering Division with a final count of fugitive components installed. The owner/operator has been permitted for an increase in the following fugitive components:

0 valves in gas service
121 valves is liquid service
1 pump
0 compressors
0 PRV in gas service
8 PRVs in liquid service
312 connectors/flanges

(basis: cumulative increase, offsets, toxics risk screen)

2. If there is an increase in the total fugitive component emissions, the plant's cumulative emissions for the project shall be adjusted to reflect the difference between emissions based on predicted versus actual component counts. The owner/operator shall provide to the District all additional required offsets at an offset ratio of 1.15:1 no later than 14 days after submittal of the final POC fugitive count. If the actual component count is less than the predicted, the total will be adjusted accordingly and all emission offsets applied by the owner/operator in excess of the actual total fugitive emissions will be credited back to the owner/operator.
(basis: offsets)

3. The owner/operator shall install valves, in light hydrocarbon service, that are of District approved BACT compliant technology (bellows valves, diaphragm valves, live loaded valves, or the equivalent) such that fugitive organic emissions shall not exceed 100 ppm.
(basis: BACT, Regulation 8-18, toxics risk screen)

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4. The owner/operator shall install flanges and connectors, in light hydrocarbon service, that are of District approved BACT compliant technology (graphitic gaskets or the equivalent) such that fugitive organic emissions shall not exceed 100 ppm.
(basis: BACT, Regulation 8-18, toxics risk screen)

5. The owner/operator shall install pump seals, in light hydrocarbon service, that are of District approved BACT compliant technology (double mechanical seals with barrier fluid or the equivalent) such that fugitive organic emissions shall not exceed 500 ppm.
(basis: BACT, Regulation 8-18, toxics risk screen)

6. The owner/operator shall ensure that each pressure relief valve installed in hydrocarbon service is vented back to the process or to the refinery fuel gas system with a capture and destruction efficiency of at least 98% by weight.
(basis: BACT, Regulation 8-28, toxics risk screen)

7. In accordance with the provisions of Regulation 8-18, the owner/operator shall integrate all new fugitive equipment in organic service installed as part of the Amorco Wharf Transfer and Metering Project into the facility fugitive equipment monitoring and repair program. (basis: BACT, Regulation 8-18)

S-55 Amorco Wharf Terminal, Crude Oil, Diesel, Gas Oil, Naphtha, Kerosene, Fuel Oils, 70,080,000 bbl/yr
S-19 Tank B-19, external floating roof, 3318K gal, Crude Oil, 70,080,000 bbl/yr limit applies to S-19, S-21, S-30, S-49, and S-50 combined
S-21 Tank B-21, external floating roof, 3276K gal, Crude Oil, Gasoline, 70,080,000 bbl/yr limit applies to S-19, S-21, S-30, S-49, and S-50 combined
S-30 Tank B-30, external floating roof, 3318K gal, Crude Oil, Gasoline, 70,080,000 bbl/yr limit applies to S-19, S-21, S-30, S-49, and S-50 combined
S-49 Tank B-49, external floating roof, 5964K gal, Crude Oil, 70,080,000 bbl/yr limit applies to S-19, S-21, S- 30, S-49, and S-50 combined
S-50 Tank B-50, external floating roof, 5922K gas, Crude Oil, 70,080,000 bbl/yr limit applies to S-19, S-21, S- 30, S-49, and S-50 combined

8. The owner/operator of S-55 Amorco Wharf Terminal shall not exceed a throughput of 70,080,000 barrels of crude oil per any consecutive 12 month period.
(basis:cumulative increase, offsets, toxic risk screen)

9. The owner/operator of S-19, S-21, S-30, S-49, and S-50 Tanks shall not exceed a combined throughput of 70,080,000 barrels of crude oil per any consecutive 12 month period.
(basis: cumulative increase, offsets, toxic risk screen)

10. The owner/operator shall not transfer any material received at the Amorco Wharf directly to another refinery via pipeline.
(basis: cumulative increase)

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11. The owner/operator shall not ship crude from the Amorco Wharf.
(basis: cumulative increase)

12. The owner/operator shall maintain records, in a District approved log, for
a. The date(s) and times at which the tank vessel arrived and departed from the marine terminal.
b. The type and amount of organic liquid cargo unloaded.
All records shall be retained for a period of at least five years from the date of entry. This log shall be kept on site and made available to District staff upon request.
(basis:cumulative increase, recordkeeping, Regulation 1-441)

Condition 22621
Application #13047 (November, 2005): Installation of low NOx burners, change fuel gas supply from 40 psig to 100 psig fuel gas.

S-913 No. 2 Feed Prep Heater (F13), 59 MMBtu/hr fired on Refinery Fuel Gas and Natural Gas

Fugitive Components

1. Not more than 30 days after the start-up of the S-913 low NOx burners on 100 psig fuel gas, the owner/operator shall provide the District's Engineering Division with a final count of fugitive components installed. The owner/operator has been permitted for an increase in the following fugitive components:

4 valves in gas service
1 PRV in gas service
8 connectors/flanges

(basis: cumulative increase, offsets)

2. If there is an increase in the total fugitive component emissions, the plant's cumulative emissions for the project shall be adjusted to reflect the difference between emissions based on predicted versus actual component counts. The owner/operator shall provide to the District all additional required offsets at an offset ratio of 1.15:1 no later than 14 days after submittal of the final POC fugitive count. If the actual component count is less than the predicted, the total will be adjusted accordingly and all emission offsets applied by the owner/operator in excess of the actual total fugitive emissions will be credited back to the owner/operator.
(basis: offsets)

3. The owner/operator shall install valves, in light hydrocarbon service, that are of District approved BACT compliant technology (bellows valves, diaphragm valves, live loaded valves, or the equivalent) such that fugitive organic emissions shall not exceed 100 ppm.
(basis: BACT, Regulation 8-18, offsets)

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4. The owner/operator shall install flanges and connectors, in light hydrocarbon service, that are of District approved BACT compliant technology (graphitic gaskets or the equivalent) such that fugitive organic emissions shall not exceed 100 ppm.
(basis: BACT, Regulation 8-18, offsets)

5. The owner/operator shall ensure that each pressure relief valve installed in hydrocarbon service is vented back to the process, the fuel gas recovery system, a furnace, or a flare with a capture and destruction efficiency of at least 98% by weight.
(basis: BACT, Regulation 8-28, offsets)

6. In accordance with the provisions of Regulation 8-18, the owner/operator shall integrate all new fugitive equipment in organic service installed into the facility fugitive equipment monitoring and repair program.
(basis: BACT, Regulation 8-18, offsets)

7. Once each day, while 100 pound fuel gas is fired at S-913, except for 36 calendar days per rolling consecutive 12-month period, and except for each calendar day when no fuel is fired at S-913, and except for each calendar day that natural gas is fired exclusively at S-913, the owner/operator shall sample the fuel gas to be fired at S-913 directly upstream of the burner fuel gas feed line to S-913. The owner/operator shall ensure that the sample is subjected to laboratory analysis to determine the total reduced sulfur (TRS) content of the sample in ppmvd units. The owner/operator shall ensure that the laboratory analysis method employed is a method that is approved by the District.
(basis: cumulative increase, offsets, Regulation 2-1-403)

8. Each calendar day, the owner/operator shall maintain records, in a District approved log, for
a. Each fuel fired at S-913
b. Each calendar day that no fuel is fired at S-913
c. Not more than 14 days after the date that a sample of fuel gas is taken pursuant to part 1 of these conditions, the results of each analysis disclosing the TRS content of the Fuel Gas sample, in units of ppmvd, along with the date the sample was taken, the District approved laboratory method used, and the laboratory completing the sample analysis.
d. The annual average of the daily fuel gas sample TRS analysis results.
All records shall be retained for a period of at least five years from the date of entry. This log shall be kept on site and made available to District staff upon request.
(basis:cumulative increase, offsets, recordkeeping, Regulation 2-1-403)

9. Within 30 days of startup of S-913, the owner/operator shall perform source tests to establish the NOx box for the heater (permit condition 18372). All source testing shall be done in accordance with the District's Manual of Procedures. The facility shall receive approval from the District's Source Test Manager for installation of test ports and source testing procedures. The results shall be delivered to the District no later than 45 days from the date of the source test.
(basis: Regulation 9-10-301, Regulation 9-10-502)

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10. In order to generate Interchangeable Emission Reduction Credits (IERC's) at S-913, the owner/operator shall:
a. Use an emission factor of 0.033 lb/MMBtu for S-913 in the calculation of the refinery-wide emission rate from units affected by Regulation 9-10-301
b. Generate IERC's based on the difference between NOx emissions of 0.033 lb/MMBTU and the actual emission factor obtained by source tests from generation of the NOx box (expected to be 0.024 lb/MMBtu by the owner/operator)
c. Keep records of the firing rate and oxygen content of S-913 to ensure operation within the established NOx box.
(basis: Regulation 9-10-301, Regulation 9-10-502, Regulation 2-9)

Condition 22590
Application 13076 (October 18, 2005): Addition of natural gas pilots.

S-904 No. 6 Boiler, 775 MMBtu/hr: installation of 12 natural gas pilots with a combined maxiumum firing rate of 54 MMBtu/hr; MAXIMUM firing rate of burners and pilots limited to 775 MMBtu/hr

1. The owner/operator shall equip the natural gas line to the pilots with a dedicated fuel flow meter.
(cumulative increase)

2. The owner/operator shall ensure that S-904 Boiler is not fired above its maximum firing rate of 775 MMBtu/hr (HHV) at any time. The total amount of fuel burned at S- 904 at the natural gas pilots and the burners shall not exceed 775 MMBtu/hr.
(cumulative increase)

3. Hourly records of the type and amount of fuel burned at Boiler S-904 shall be maintained in a District approved log for at least 5 years and made available to District staff upon request.
(cumulative increase, recordkeeping)

COND# 22693 ----------
Application 13401 (December 2005)

S-1009 Alkylation Unit: Mitigation of Atmospheric Releases, 2-PRVs on the C-2 DIB column to be vented to the V-104 Flare Knockout Pot with gases vented to the Flare Header (S-854 East Air Flare, S-944 North Coker Flare, S-945 South Coker Flare, S-922 Emergency Flare, and S-1012 West Air Flare)

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1. Not more than 30 days after the start-up of the V-104 System, the owner/operator shall provide the District's Engineering Division with a final count of fugitive components installed. The owner/operator has been permitted for an increase in the following fugitive components:

11 valves in gas service
25 valves is liquid service
1 pump
0 compressors
0 PRV in gas service
0 PRVs in liquid service
32 connectors/flanges

(basis: cumulative increase, offsets)

2. If there is an increase in the total fugitive component emissions, the plant's cumulative emissions for the project shall be adjusted to reflect the difference between emissions based on predicted versus actual component counts. The owner/operator shall provide to the District all additional required offsets at an offset ratio of 1.15:1 no later than 14 days after submittal of the final POC fugitive count. If the actual component count is less than the predicted, the total will be adjusted accordingly and all emission offsets applied by the owner/operator in excess of the actual total fugitive emissions will be credited back to the owner/operator.
(basis: offsets)

3. The owner/operator shall install valves, in light hydrocarbon service, that are of District approved BACT compliant technology (bellows valves, diaphragm valves, live loaded valves, or the equivalent) such that fugitive organic emissions shall not exceed 100 ppm.
(basis: BACT, Regulation 8-18)

4. The owner/operator shall install flanges and connectors, in light hydrocarbon service, that are of District approved BACT compliant technology (graphitic gaskets or the equivalent) such that fugitive organic emissions shall not exceed 100 ppm.
(basis: BACT, Regulation 8-18)

5. The owner/operator shall install pump seals, in light hydrocarbon service, that are of District approved BACT compliant technology (double mechanical seals with barrier fluid or the equivalent) such that fugitive organic emissions shall not exceed 500 ppm.
(basis: BACT, Regulation 8-18)

6. The owner/operator shall ensure that each pressure relief valve installed in hydrocarbon service is vented back to the process or to the refinery fuel gas system with a capture and destruction efficiency of at least 98% by weight.
(basis: BACT, Regulation 8-28)

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7. In accordance with the provisions of Regulation 8-18, the owner/operator shall integrate all new fugitive equipment in organic service installed as part of the Project into thefacility fugitive equipment monitoring and repair
program. (basis: BACT, Regulation 8-18)

8. The two pressure relief valves on the C-2 DIB column of the S-1009 Alkylation unit shall be vented at all times to the V-104 Flare Knockout Pot with gases vented to the Flare Header (S-854 East Air Flare, S-944 North Coker Flare, S-945 South Coker Flare, S- 922 Emergency Flare, and S-1012 West Air Flare). Vented liquid shall be sent for further processing or reprocessing at the refinery.
(basis: Regulation 8-28-304.2)

9. Immediately after the startup of the V-104 System, the 10" tie in line downstream of the two pressure safety valves on the C-2 DIB column shall be blinded.
(basis: Regulation 8-28-304.2)

COND# 23129 ----------

The following permit conditions will be imposed to ensure that the proposed project complies with all applicable District, State, and Federal Regulations. The conditions limit operational parameters such as fuel use, stack gas emission concentrations, and mass emission rates. Permit conditions will also specify abatement device operation and performance levels. For compliance assurance purpose, conditions specifying emission monitoring, source testing, and record keeping requirements are included. Furthermore, pollutant mass emission limits (in units of lb./hr) will ensure that daily and annual emission rate limitations are not exceeded.

Compliance with CO and NOx limitations will be verified by continuous in-stack emission monitors (CEMs) that will be in operation during all heater operating modes, including start-up and shutdown. Compliance with SO2 and H2S limits will be determined by monitoring the total reduced sulfur (TRS) concentration level in the refinery fuel gas with a TRS analyzer. If natural gas is burned, the sulfur content will be assumed to be the same as natural gas specifications. Compliance with POC

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and PM10 mass emission limits will be demonstrated by annual source testing.

Delayed Coker (S-1510)

1. The owner/operator of source S-1510 shall not exceed Ringelmann No. 1.0, for more than three minutes in any consecutive 60-minutes period. (basis: Regulation 6).

2. The owner/operator of the delayed coker (S-1510) shall wash the pad area surrounding the Coke Pit and dewatering pad (where coke drops from the coker) at least once per day when the coker is operating or when coke is being removed from the coke drums. (basis: cumulative increase)

3. The owner/operator of S-1510 delayed coker shall not process more than 53,200 barrels per day (12 midnight to 12 midnight), and 17,447,000 barrels in any consecutive 12-month period. (basis: Cumulative increase)

4. The owner/operator of all sources (S-1510 through S-1517, A-1511, A-1512, A-1514, A-1515) shall inspect and maintain all new valves, pumps and flanges/connectors associated with this project according to District Regulation 8-18. (basis: Regulation 8-18)

5. The owner/operator of all sources (S-1510 through S-1517, A-1511, A-1512, A-1514, A-1515) shall ensure that each new pressure relief valve installed in hydrocarbon service is vented to the refinery fuel gas system or an abatement device with a capture/destruction efficiency of 98 wt% POC, or more, approved for this use in advance by the District. (basis: Regulation 8-28, BACT)

6. The owner/operator of all sources (S-1510 through S-1517, A-1511, A-1512, A-1514, A-

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1515) shall ensure that each new process sample system in light liquid service installed is a closed loop, continuous flow design and in no event shall there be any line purging to process drains. (basis: cumulative increase)

7. The owner/operator shall submit a final count of installed pumps, compressors, valves, and flanges/connectors within 90 days after startup. The owner/operator has been permitted to install fugitive components (1,028 valves, 1,296 flanges/connectors, 14 pumps) with a total POC emission rate of 1.299 TPY. If there is an increase in the total fugitive component emissions, the plant's cumulative emissions for the project shall be adjusted to reflect the difference between emissions based on predicted versus actual component counts. The owner/operator may have enough remaining contemporaneous emissions reduction credits (ERC's) to cover any increase in POC fugitive emissions beyond the original projection. If not, the Owner/Operator shall provide to the District all additional required offsets at an offset ratio of 1.15:1 no later than 14 days after the submittal of the final POC fugitive equipment count. If the actual component count is less than the predicted, at the completion of the project, the total will be adjusted accordingly. Any ERC's applied by the facility in excess of the actual total fugitive emissions will be credited back to Owner/Operator prior to issuance of the permits. (basis: cumulative increase, toxics)

8. To demonstrate compliance with the above conditions, the owner/operator shall maintain the following records in a District-approved log:
   a. The daily record of the throughput
   b. The monthly record of the throughput summarized on a consecutive 12-month basis

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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. (basis: recordkeeping)

Delayed Coker Heater # 1 and # 2 (S-1511 and S-1512)

9. The owner/operator of source S-1510 shall not exceed Ringelmann No. 1.0, for more than three minutes in any consecutive 60-minutes period. (basis: Regulation 6).

10. The owner/operator shall burn in sources S-1511 and S-1512 only natural gas or refinery fuel gas. (basis: cumulative increase, BACT)

11. The owner/operator shall not burn in sources S-1511 and S-1512 refinery fuel gas having total reduced sulfur (TRS) greater than 100 ppmv, based on 24-hour average and 35 ppmv, based on consecutive 365 day average. (basis: BACT)

12. Except as described below, the owner/operator of sources S-1511 or S-1512 shall not exceed 7 ppmv NOx (calculated as NO2) corrected to 3% oxygen dry (based on a three-hour average), and 35 ppmv CO, corrected to 3% oxygen dry (based on a three-hour average). (basis: BACT)

a. During startup, shut down and malfunction periods, the owner/operator of source S-1511 or S-1512 shall not exceed 50 ppmv NOx (calculated as NO2) corrected to 3% oxygen dry (based on a three hour average), and 400 ppmv CO, corrected to 3% oxygen dry (based on a three hour average). Startup, shutdown or malfunction shall not exceed 144 hours during any consecutive 12-month period. (basis: cumulative increase, offsets)

b. For up to 100 days per consecutive 12 month period, the owner/operator of source S-1511

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or S-1512 shall not exceed 50 ppmv CO at 3% O2 dry (based on a three hour average). (basis: basis: cumulative increase, offsets)

13. The owner/operator shall not exceed 10 ppmv ammonia at 3% O2 dry at the outlet of A-1511 or A-1512. (basis: cumulative increase, toxics)

14. The owner/operator shall not exceed 2,014,800 MMBtu of refinery fuel gas and natural gas combined at each source (S-1511 or S-1512) in any consecutive 12-month period. (basis: cumulative increase)

15. The owner/operator shall ensure that the total sulfur content in the natural gas shall not exceed 1.0 grain per 100 scf of natural gas. The owner/operator shall use PG&E specification or equivalent pipeline quality natural gas. Compliance will be demonstrated through records that show the specification of natural gas by the supplier. (basis: BACT for SO2 when firing natural gas)

16. The owner/operator shall ensure that the total sulfur content in the natural gas shall not exceed 1.0 grain per 100 scf of natural gas. The owner/operator shall use PG&E specification or equivalent pipeline quality natural gas. Compliance will be demonstrated through records that show the specification of natural gas by the supplier. (basis: BACT for PM10 when firing natural gas)

17. The owner/operator of sources S-1511, S-1512, A-1511 and A-1512 shall comply with the requirement of Regulation 2-2-306 for sulfuric acid mist emissions (SAM). (basis: PSD)

18. The owner/operator of S-1511, S-1512, A-1511 and A-1512 shall ensure that the emissions from A-1511 or A-1512 shall not exceed 230

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mg/dsm (0.10 gr/dscf or 163 ppmv (dry basis)) of H2S average over 3 hours at the inlet of S-1511 or S-1512, or 20 ppmv (dry basis) of SO2 at the outlet of A-1511 or A-1512 except as allowed by NSPS Subpart J and Subpart A for startup, shutdown, or malfunction. (basis: NSPS 40 CFR 60, Subpart J)

19. The owner/operator of S-1511, S-1512, A-1511 and A-1512 shall install a total reduced sulfur (TRS) continuous monitoring and recording system to verify compliance with the requirement of Part 11, and an H2S or SO2 continuous emissions monitoring and recording system to verify compliance with the requirement of Part 18. The owner/operator shall maintain the equipment in accordance with manufacturer's recommendations. (basis: BACT, NSPS (40 CFR 60, Subpart J))

20. The owner/operator shall abate Heater #1 and Heater #2 (S-1511 and S-1512) with Selective Catalyst Reduction systems (A-1511 and A-1512), respectively at any time that S-1511 and S-1512 are in operation, except for 144 hours each in any consecutive 12-month period during startup, shutdown and malfunction. (basis: cumulative increase)

21. The owner/operator shall install, calibrate, maintain, and operate a District-approved continuous emission monitoring (CEM) device that continuously measures and records the concentration of nitrogen oxides (calculated as NO2), in ppmv units, in the combustion exhaust from A-1511 and A-1512, corrected to 3% oxygen, dry. This CEM device shall be in operation at all times when S-1511 and S-1512 operate except as allowed in the District's Manual of Procedures, which includes maintenance and malfunction. (basis: cumulative increase, BACT, offsets)

22. The owner/operator shall install, calibrate, maintain, and operate a District-approved

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continuous emission monitoring (CEM) device that continuously measures and records the concentration of carbon monoxide (CO), in ppmv units, in the combustion exhaust from A-1511 and A-1512, corrected to 3% oxygen, dry. This CEM device shall be in operation at all times when S-1511 and S-1512 operate except as allowed in the District's Manual of Procedures, which includes maintenance and malfunction. (basis: cumulative increase, BACT, offsets)

23. The owner/operator shall install, calibrate, maintain, and operate a District-approved continuous emission monitoring (CEM) device that continuously measures and records the concentration of oxygen in the combustion exhaust from A-1511 and A-1512. This CEM device shall be in operation at all times when S-1511 and S-1512 operate except as allowed in the District's Manual of Procedures, which includes maintenance and malfunction. (basis: cumulative increase, BACT, offsets)

24. The owner/operator shall install a District approved fuel flow meter that measures the volume of fuel throughput to S-1511 and S-1512 in units of standard cubic feet. (basis: cumulative increase)

25. The owner/operator shall install a District approved calorimeter that measures the heating value when refinery fuel gas is fired at S-1511 and S-1512. (basis: BACT, cumulative increase, offsets, toxics)

26. Within 45 days of initial startup, the owner/operator shall conduct a District approved source test to demonstrate compliance with the NOx, CO, TRS, NH3, PM10 and SAM levels in Parts 11, 12, 13, and17. For purposes of SAM, the applicant shall also test for SO3 and ammonium sulfates. The test results shall be forwarded to the District

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within 45 days of completion of the field test. The test should verify emission compliance at 80% or more of maximum firing on:

a.Heater # 1 and # 2 firing natural gas only
b.Heater # 1 and # 2 firing refinery fuel gas only (within 60 days after the refinery fuel gas is first being used)
(basis: compliance demonstration, PSD avoidance)

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 notify the District's Source Test Section in writing of the source test protocols and projected test dates at least 7 days prior to the testing date(s). As indicated above, the Owner/Operator shall measure the contribution of condensable PM (back half) to the total PM10 emissions. However, the Owner/Operator may propose alternative measuring techniques to measure condensable PM such as the use of a dilution tunnel or other appropriate method used to capture semi-volatile organic compounds. Source test results shall be submitted to the District within 45 days of conducting the tests. (basis: source test compliance verification)

27. The owner/operator shall maintain all records and reports required by this permit 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 (basis: Regulation 2-6-501)

28. When burning refinery fuel gas in sources S-1511 and S-1512, the owner/operator shall record the consecutive 3-hour average total reduced sulfur content of the refinery fuel

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gas. On an annual basis, the owner/operator shall report: (a) the daily fuel consumption, (b) hourly total reduced sulfur content (as averaged over 24 consecutive hours) and (c) annual average reduced sulfur content. The report shall be sent to the District's Director of Compliance and Enforcement, and the Manager of the Permit Evaluation Section no later than 60 days after the end of the calendar year. (basis: BACT, offsets, cumulative increase)

Coker Screen/Crusher (S-1513) and Conveyors & Dewatering Pad

29. The owner/operator of S-1513 shall not exceed 1,277,500 wet tons of coke in any consecutive 12-month period. (basis: cumulative increase, BACT)

30. The owner/operator of S-1513 shall keep the moisture of the coke product to 5% by weight or more. (basis: cumulative increase)

31. The owner/operator of S-1513 shall not exceed Ringelmann No. 1.0, or 20% opacity visible emissions, for more than three minutes in any consecutive 60 minute period. (basis: Regulation 6)

32. The owner/operator shall use a water spray abatement system with chemical suppressant, if necessary, and take other control measures, as necessary, to maintain compliance with Regulation 6. (basis: Regulation 6, BACT)

33. The owner/operator shall completely enclose all coke conveyors downstream of the crusher and use water sprays to minimize particulate emissions from crushing operations. (basis: BACT)

34. The owner/operator shall inspect S-1513 for visible emissions no less than once per day

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when the equipment is in operation. If there are visible emissions, the owner/operator shall immediately take corrective action to eliminate the visible emissions. Upon completion of each inspection, in a District approved log, the owner/operator shall record the visible emission observation, and when visible emissions are detected, the corrective action taken to eliminate the visible emissions. During each day that S-1513 is not in operation for the entire day and when there is no petroleum coke stored or processed at S-1513, the owner/operator need not complete this inspection for S-1513. (basis: Regulation 2-1-403, Regulation 2-6-503).

35. The owner/operator shall use water sprays, as necessary, to minimize particulate emissions from the surfaces of the coke piles on the Coke Dewatering Pad. If particulate emissions from the Coke Dewatering Pad result in 3 or more visible emission violations within a six month period, or two public nuisance violations within a 5 year period, the owner/operator shall install additional controls, as approved by the District, which may include one or more of the following:
    a. Additional water sprays;
    b. Chemical suppressant in water spray system;
    c. Additional/improved enclosures;
    d. Wind screens; or
    e. Equivalent, as approved by the District.
    (basis: BACT)

36. Within 45 days of startup, the owner/operator shall test the moisture content of the wet coke at S-1513 to demonstrate compliance with Part 31. The report shall be sent to the District's Director of Compliance and Enforcement, and the Manager of the Permit Evaluation Section no later than 45 days after the test. (basis: cumulative increase)

37. To demonstrate compliance with the above

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Parts, the owner/operator shall maintain the monthly records, and the consecutive 12-month summary of coke (wet) produced 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. (basis: recordkeeping)

Coker Silos (S-1514 and S-1515 abated by A-1514 and A-1515, respectively) and (S-659 and S-660 Storage Tanks, both abated by A-9 Electrostatic Precipitator)

38. The owner/operator shall not operate S-659, S-660, S-1514, S-1515, A-9, A-1514, and A-1515 unless the visible particulate emissions from the listed equipment are less than or equal to Ringelmann Number 1.0, except for less than three minutes in any consecutive 60-minutes period, or result in fallout on adjacent property in such quantities as to cause a public nuisance per Regulation 1-302. (basis: Regulation 6, and Regulation 1)

39. The owner/operator shall not operate S-1514 and S-1515 unless all particulate emissions from the silos are vented to A-1514 and A-1515, respectively. The owner/operator shall not operate S-659 and S-660 unless all particulate emissions from the storage tanks are vented to A-9. Particulate emissions from A-9 Precipitator, A-1514 and A-1515 baghouses shall not exceed 0.01 grains/dscf each. (basis: cumulative increase)

40. The owner/operator shall install, maintain, and operate an approved bag failure warning device such as manometer or equivalent on A-1514 and A-1515. The owner/operator shall install an approved ESP failure warning device on A-9. (basis: cumulative increase)

41. The owner/operator of each abatement device A-

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1514 or A-1515 shall not exceed 4,200 scfm of exhaust air flow rate without District approval. The owner/operator of abatement device A-9 shall not exceed 550 scfm of exhaust air flow rate without District approval (basis: cumulative increase)

42. The owner/operator of S-659, S-660, S-1514 and S-1515 shall record and keep the following records on site and make the log available for District inspection for a minimum period of 5 years from the date on which a record was made. (basis: cumulative increase)
    a. Total monthly hours of operation, summarized on a consecutive 12-month period.

Coker Truck Loadout S-1516

43. The owner/operator of S-1516 shall not exceed Ringelmann Number 1.0 for no more than three minutes in any consecutive 60-minutes period or result in fallout on adjacent property in such quantities as to cause a public nuisance per Regulation 1-302. (basis: Regulation 6, and Regulation 1)

44. The owner/operator of S-1516 shall not exceed 1,277,500 tons of wet coke in any consecutive 12 month period. (basis: cumulative increase, BACT)

45. The owner/operator shall only conduct material truck loading in an enclosed structure that is either equipped with a water spray system to be used as needed to prevent visible dust emissions or vented to permitted air pollution control equipment that is operated during loading activities. The ends of the structure shall have overlapping flaps that reduce the opening to no greater than 11 feet high by 10 feet wide, or other equally effective devices as approved by the APCO. (basis: BACT)

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46. The owner/operator shall load the trucks so that the level of coke is not higher than the top of the truck trailer. After loading onto trucks, the coke shall be completely covered with tarpaulin or other similar material, to minimize particulate spillage and entrainment during transit. If a slot-top type cover is used, either the material contained in the trailer is moist material, or a chemical stabilizer is applied to the surface of the material in sufficient amounts and concentration so as to prevent fugitive dust emissions during transport. (basis: BACT)

47. Before leaving the coke loading area, the owner/operator shall pass the trucks through a water wash system to remove coke from the truck and trailer tires, wheels and undercarriage, in order to minimize the tracking of coke onto the roadway. (basis: BACT)

48. The owner/operator shall sweep accumulated mud, dirt, or coke from the coke truck route in the refinery at least once a day except during periods of rain and equipment maintenance, and whenever there is visible accumulation. Dry rotary brushes shall not be used except where preceded or accompanied by sufficient wetting to limit the visible dust emissions. Blower devices shall not be used. (basis: BACT)

49. In order to demonstrate compliance with the above Parts, the owner/operator of S-1516 shall maintain the daily records, monthly records and the consecutive 12-month summary of coke (wet) loaded into trucks in District approved logs. These records shall be kept on site and made available for District inspection for a minimum period of 5 years from the date on which a record was made. (basis: cumulative increase)

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Flare S-1517

50. The owner/operator of S-1517 shall not exceed Ringelmann Number 1.0 for more than three minutes in any consecutive 60-minutes period or result in fallout on adjacent property in such quantities as to cause a public nuisance per Regulation 1-302. (basis: Regulation 6, and Regulation 1)

51. The owner/operator of S-1517 shall use steam in the flare to minimize smoking. (basis: BACT)

52. The owner/operator of S-1517 shall have a hydrocarbon destruction efficiency of at least 98.5 wt.% POC on a mass basis: (basis: BACT)

53. The owner/operator of S-1517 shall not exceed 1,314,000 standard cubic feet of natural gas for flare pilots in any consecutive 12-month period. The owner/operator shall fire only natural gas at all flare pilots. (basis: cumulative increase)

54. The owner/operator shall comply with the requirements of 40 CFR 60, Subpart J. (basis: NSPS 40 CFR 60, Subpart J)

55. The owner/operator of S-1517 shall install H2S continuous monitoring and recording system to verify compliance with the requirement of Regulation 12-11. The owner/operator shall maintain the equipment in accordance with manufacturer's recommendations. (basis: Regulation 12, Rule 11)

56. The owner/operator of S-1517 shall not exceed 8,584,800 standard cubic feet of natural gas for the flare purge in any consecutive 12-month period. The Owner/operator shall use only natural gas for the flare purge gas. (basis: cumulative increase)

57. The owner/operator shall maintain all records

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and reports required by this permit in a District-approved log. The following 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. (basis: Regulation 2-6-501)

a. The continuous H2S concentration at source S-1517.

b. Total daily flow rate of the gas through the flare, summarized in a consecutive 12-month period.

Contemporaneous Emissions reduction credit

58. The owner/operator of sources S-806, S-808, S-836, S-837, S-838, S-903, S-923, S-924 and S-925 shall completely shutdown the equipment no later than 90 days after startup of the delayed coker (S-1510 through S-1517, A-1511, A-1512, A-1514, and A-1515). The owner/operator shall enter into the record log the shut down date of each source. (Basis: offsets)

COND# 23258 ----------

Conditions for Source S-1038, Benzene Saturation Unit, Application #14894, Plant # 14628 – Tesoro Refinery.

S-1038 Benzene Saturation Unit

1. The Owner/Operator shall ensure that the Benzene Saturation Unit (S-1038) does not process more than 5,475,000 barrels of feed at S-1038 during any 12 consecutive month period. (basis: cumulative increase)

2. The owner/operator of all new and modified equipment associated with S-1038, shall inspect and maintain all new valves, pumps and flanges/connectors associated with this project according to District Regulation 8-18. (basis: Regulation 8-18)

3. The Owner/Operator of all new and modified equipment associated with S-1038, Benzene Saturation Unit, shall ensure the POC emissions do not exceed 0.149 lb/day, based on a 365 day average emission rate, as calculated in accordance with District procedures. The

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owner/operator of S-1038, shall submit a final process flow diagram and a revised pump, compressor, valve, and flange count within 60 days of the start up of S-1038 in order to confirm compliance with this permit condition. If fugitive emissions from this source exceed 0.149 lb/day, then the District may recalculate the cumulative emissions increase attributed to this permit application, and adjust accordingly the refinery emissions cap limits specified in this Condition, before the issuance of the permit to operate. (basis: cumulative increase)

4. The Owner/Operator of all new hydrocarbon vapor pressure relief valves installed in hydrocarbon service shall vent POC emissions to the refinery flare gas recovery system or an abatement device with a capture/destruction efficiency of 98 wt% POC, or more, approved for this use in advance by the District. (basis: Regulation 8-28)

5. The Owner/Operator shall maintain a District- approved file containing all measurements, and other data required to demonstrate compliance with the above conditions. This file shall include, but is not limited to, the daily throughput of feed processed by S-1038 summarized on a monthly basis. This material shall be kept available for District inspection for a period of at least 5 years following the date on which such measurements, records or data are made or recorded. (basis: cumulative increase)

COND# 23486 ----------

Application 15429 (April, 2007)

S-1508 Tank 906 and Tank 907, Avon Wharf Slop Oil Tanks: Each tank: 4' W X 12' L X 3.5', 1,250 gallon capacity

1) The total combined net throughput of Tank 906 and Tank 907 of S-1508 shall not exceed 1,689,000 barrels in any consecutive 12-month period. The owner/operator shall use a radar-monitoring device to measure the height of the tank. The owner/operator shall use the change in height of liquid in the tank to calculate throughput. (basis: Cumulative Increase)

2) Materials collected in S-1508 shall be limited to the following:
a.Water runoff, slop oil, or recovered oil with a true vapor pressure less than 11 psia
b.A liquid other than those specified above may be collected in S-1508, provided that both of the following criteria are met:
1. true vapor pressure must be less than 11 psia
2. toxic emissions in lbs/year, based on the maximum throughput in part 1, do not exceed any risk screening trigger level.
(basis: Cumulative Increase)

3) Deleted. (Final project fugitive component count provided July 11, 2007. Final count did not cause fugitive emissions to exceed the emissions estimated in the project application.)

VI. Permit Conditions

4) To determine compliance with the above conditions, the owner/operator shall maintain the following records and provide all of the data necessary to evaluate compliance with the above conditions, including, but not necessarily limited to, the following information:
a. On a monthly basis, type and amount of liquids collected and true vapor pressure ranges of such liquids. These records shall be kept for at least 5 years.
All records shall be recorded in a District-approved log 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, Regulation 1-441)

Condition # 23562

Application 15949 (May 2007): Add EPA Consent Decree requirements (Case No. SA-05-CA-0569-RF: United States of America v. Valero Refining Company – California, et. al.).

S904	No. 6 Boiler	S929	HDN Reactor B Heater (F29)
S905	No. 6 Boiler Startup Heater	S930	HDN Reactor C Heater (F30)
S915	Platformer Intermediate Heater (F15)	S931	Hydrocracker Reactor 1 Heater (F31)
S916	No. 1 HDS Heater (F16)	S932	Hydrocracker Reactor 2 Heater (F32)
S917	No. 1 HDS Prefract Reboiler (F17)	S933	Hydrocracker Reactor 3 Heater (F33)
S919	No. 2 HDS Depent Reboiler (F19)	S934	Hydrocracker Stabilizer Reboiler (F34)
S920	No. 2 HDS Charge Heater (F20)	S935	Hydrocracker Splitter Reboiler (F35)
S921	No. 2 HDS Charge Heater (F21)	S937	Hydrogen Plant Heater (F37)
S922	No. 5 Gas Debutanizer Reboiler	S938	HDN Prefractionator Heater (F38)
S923	Coker Auxiliary Startup Burner	S939	Propane Product Heater (F50)
S924	Coker Anti-coking Superheater (F24)	S950	50 Unit Crude Heater (F50)
S925	Coker Attriting Superheater (F25)	S1412	Sulfuric Acid Plant Startup Heater
S926	No. 2 Reformer Splitter Reboiler (F26)	S1470	No. 3 Crude Vacuum Distillation Heater (F71)
S927	No. 2 Reformer Heat/Reheating (F27)		
S928	HDN Reactor A Heater (F28)		

1. The heaters and boilers listed above shall be "affected facilities" under 40 CFR 60 Subpart J as fuel gas combustion devices. Except as allowed in this permit condition, the owner/operator shall comply with all applicable provisions of 40 CFR 60 Subparts A and J for these fuel gas combustion devices, except during periods of startup, shutdown, or malfunction of the affected facilities or the malfunction of the associated control equipment, if any, provided that during startup, shutdown, or malfunction, the owner/operator shall, to the extent practicable, maintain and operate the affected facilities including associated air pollution control equipment in a manner consistent with good air pollution control practices for minimizing emissions. (Basis: NSPS Subparts A and J, EPA Consent Decree paragraphs 12, 117, 118, 122.)

2. The owner/operator is exempt from notification requirements in accordance with 40 CFR Part 60, Subparts A and J, including without limitation 40 CFR 60.7, with respect to

VI. Permit Conditions

the provisions of 40 CFR, Subparts A and J, as such requirements apply to the fuel gas combustion devices listed in this permit condition. (Basis: EPA Consent Decree paragraph 120.)

3. The owner/operator shall use either continuous emissions monitoring systems (CEMS) or an approved alternative monitoring plan (AMP) to demonstrate compliance with the NSPS Subpart J emission limits for the fuel gas combustion devices listed in this permit condition. (Basis: NSPS Subparts A and J, EPA Consent Decree paragraph 121)

4. The owner/operator shall conduct the accuracy tests listed below on the CEMS used to comply with Part 3 unless that CEMS is otherwise subject to the requirements of NSPS Subparts A and J. These accuracy tests are allowed in lieu of the requirements of Part 60, Appendix F 5.1.1, 5.1.3 and 5.1.4.
   a. Conduct either a RAA or a RATA on each CEMS at least once every three years.
   b. Conduct a CGA on each CEMS each calendar quarter during which a RAA or a RATA is not performed.
   c. Conduct a FAT, as defined in BAAQMD regulations or procedures, if desired, in lieu of any required RAA or CGA.

(Basis: EPA Consent Decree paragraph 121.)

Condition 23715
Application # 16125
Source S-1521 (Tank A-904)

1. The total net throughput at Tank 904 (S-1521) shall not exceed 10,000,000 barrels of gasoline and gasoline blendstocks in any consecutive 12-month period. (Basis: Cumulative Increase, Toxics)

2. Only materials with a true vapor pressure less than 7.3 psia shall be stored in S-1521. (Basis: Cumulative Increase, Toxics)

3. In order to demonstrate compliance with the above conditions, the Permittee/Owner/Operator of tank S-1521 shall maintain the following records in a District approved log. These records shall be kept on site and made available for District inspection for a period of five years from the date that the record was made.
   a. Identification of all materials stored and the dates that the materials were stored.

VI. Permit Conditions

b. True Vapor Pressure of each material stored.
c. The total daily throughput of each material stored, summarized on a monthly basis.
d. The rolling 12-month throughput for all materials stored in S-1521.
(basis: cumulative increase, toxics

Condition 23811
Emergency Engines S-1518 and S-1519

1. Operating for reliability-related activities is limited to 50 hours per year per engine.

   [Basis: "Stationary Diesel Engine ATCM" section 93115, title 17, CA Code of Regulations, subsection (e)(2)(A)(3) or (e)(2)(B)(3)]

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 hours while mitigating emergency conditions or while emission testing to show compliance with District, state or Federal emission limits is not limited.

   [Basis: Regulation 9-8-330, "Stationary Diesel Engine ATCM" section 93115, title 17, CA Code of Regulations, subsection (e)(2)(A)(3) or (e)(2)(B)(3)]]

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: "Stationary Diesel Engine ATCM" section 93115, title 17, CA Code of Regulations, subsection (e)(4)(G)(1)]

4. 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 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).

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[Basis: Regulation 9-8-530, "Stationary Diesel Engine ATCM" section 93115, title 17, CA Code of Regulations, subsection (e)(4)(I), (or Regulation 2-6-501)]

VII. Applicable Limits and Compliance Monitoring Requirements

VII. APPLICABLE LIMITS & COMPLIANCE MONITORING REQUIREMENTS

This section has been included 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 column 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), quarterly (Q), monthly (M), weekly (W), daily (D), or on an event basis (E). No monitoring (N) has been required if the current applicable rule or regulation does not require monitoring, and the operation is unlikely to deviate from the applicable emission limit based upon the nature of the operation.

Table VII - A
Applicable Limits and Compliance Monitoring Requirements
FACILITY #B2758

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	BAAQMD 8-8-303	Y		Vapor tight gauging and sampling devices	BAAQMD 8-8-504 8-8-603	N	Portable hydrocarbon detector
POC	BAAQMD 8-8-304	Y		Combined collection/destruction efficiency of 95% by weight.	BAAQMD 8-8-602	N	Source test or EPA Method 25 or 25A
POC	BAAQMD 8-10-301	Y		abatement of emissions from process vessel depressurization is required until pressure is reduced to less than 1000 mm Hg	8-10-401.2 (SIP) and 8-10-501 & 502 (non-SIP)	P/E	Records
Ambient SO_2	BAAQMD 9-1-301	Y		Ground level concentrations of 0.5 ppm for 3 min or 0.25 ppm for 60 min or 0.05 ppm for 24 hours	BAAQMD 9-1-501	C	Area Monitoring
Ambient H_2S	BAAQMD 9-2-301	Y		Ground level concentrations of 0.06 ppm for 3 min or 0.03 ppm for 60 min	BAAQMD 9-2-501	C	Area Monitoring
	40 CFR 61.342(b)	Y		Monitoring	40 CFR 61.354	C	
	40 CFR 61.342(b)	Y		Recordkeeping	40 CFR 61.356	C	Records
	40 CFR 61.342(b)	Y		Reporting	40 CFR 61.357	P/A	Report

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - A
Applicable Limits and Compliance Monitoring Requirements
FACILITY #B2758

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 63.647	Y		Reporting and Recordkeeping	40 CFR 63.654(a)	C	Report and Records

Table VII - B
Applicable Limits and Compliance Monitoring Requirements
FACILITY #B2759

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Ambient H_2S	BAAQMD 9-2-301	Y		Ground level concentrations of 0.06 ppm for 3 min or 0.03 ppm for 60 min	BAAQMD 9-2-501	P/As required by APCO consistent with Regulation 9-2-501	Area Monitoring

Table VII - C
Applicable Limits and Compliance Monitoring Requirements
S97-CATALYST FINES HOPPER WITH ZURN INDUSTRIAL #310A BLOWER
S98-CATALYST FINES HOPPER AT FCCU

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 Regulation 6-301	Y		Ringelmann No. less than 1 for more than 3 minutes	BAAQMD Condition # 19528, Part 13	P/Monthly	Visual Inspection
Visible Emisions	BAAQMD Regulation 6-305	Y		prohibition of nuisance fallout	BAAQMD Condition # 19528, Part 13	P/Monthly	Visual Inspection

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - C
Applicable Limits and Compliance Monitoring Requirements
S97-CATALYST FINES HOPPER WITH ZURN INDUSTRIAL #310A BLOWER
S98-CATALYST FINES HOPPER AT FCCU

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
FM	BAAQMD Regulation 6-310	Y		No emissions from source > 0.15 grains per dscf of exhaust gas volume	BAAQMD Condition # 19528, Part 13	P/Monthly	Visual Inspection

Table VII - D
Applicable Limits and Compliance Monitoring Requirements
S99-CATALYST FINES HOPPER AT FCCU

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 Regulation 6-301	Y		Ringelmann No. less than 1 for more than 3 minutes	BAAQMD Condition # 19528, Part 13	P/Monthly	Visual Inspection
Visible Emisions	BAAQMD Regulation 6-305	Y		prohibition of nuisance fallout	BAAQMD Condition # 19528, Part 13	P/Monthly	Visual Inspection
FM	BAAQMD Regulation 6-310	Y		No emissions from source > 0.15 grains per dscf of exhaust gas volume	BAAQMD Condition # 19528, Part 13	P/Monthly	Visual Inspection

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - Dh
Applicable Limits and Compliance Monitoring Requirements
S1518, S1519 – EMERGENCY DIESEL FIREWATER PUMPS

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-301	Y		Ringelmann 1 for no more than 3 minutes in any hour or equivalent opacity	None	N	None
FF	BAAQMD 6-305	Y		Prohibition of nuisance	None	N	None
FP	BAAQMD 6-310	Y		0.15 grain/dscf	None	N	None
SO2	BAAQMD 9-1-304	Y		Fuel Sulfur Limit 15ppmw	None	N	None
Hours of operation	BAAQMD Condition 23811, Part 1 BAAQMD 9-8-330	N		50 hours/year each engine (non-emergency)	BAAQMD Condition 23811, Part 4a BAAQMD 9-8-530	C	totalizing meter
Hours of operation	BAAQMD Condition 23811, Part 2	N		Unlimited hours (emission testing to show compliance with emission limits.)	BAAQMD Condition 23811, Part 4b	C	totalizing meter
Hours of operation	BAAQMD Condition 23811, Part 2 BAAQMD 9-8-330	N		Unlimited hours (emergency)	BAAQMD Condition 23811, Part 4c BAAQMD 9-8-530	C	totalizing meter
Fuel Use	None	N		None	BAAQMD Condition 23811, Part 4e	P/M	Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - E
Applicable Limits and Compliance Monitoring Requirements
S100-AVON WHARF LOADING BERTH NO. 1 MARINE BULK PLANT WITH VAPOR RECOVERY SYSTEM

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	BAAQMD 8-44-301.2	Y		POC Compounds reduced by 95%	N	N	N

Table VII - F
Applicable Limits and Compliance Monitoring Requirements
S106-AVON WHARF LOADING BERTH NO. 3, MARINE BULK PLANT
S107-AVON WHARF LOADING BERTH NO. 4, MARINE BULK PLANT
S108-AVON WHARF LOADING BERTH NO. 5, MARINE BULK PLANT
S114-AVON WHARF LOADING BERTH NO. 6

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	BAAQMD 8-44-301.1	Y		POC Emission $\leq$ 5.7 grams per cubic meter (2 lb/1000 barrel) loaded, or	BAAQMD Condition # 19528, Part 2	P/Every Three Years	Source Test

Table VII – G
Applicable Limits and Compliance Monitoring Requirements
S103-NON-RETAIL SERVICE STATION G7610, 1 NOZZLE

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 Regulation 8-7-313.1	Y		Fugitives $\leq$ 0.42 lb/1000 gallon	none	N	N/A

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – G
Applicable Limits and Compliance Monitoring Requirements
S103-NON-RETAIL SERVICE STATION G7610, 1 NOZZLE

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 Regulation 8-7-313.2	Y		Spillage ≤ 0.42 lb/1000 gallon	none	N	N/A
VOC	BAAQMD Regulation 8-7-313.3	Y		Liquid Retain + Spitting ≤ 0.42 lb/1000 gallon	none	N	N/A
VOC	None	N		None	BAAQMD Regulation 8-7-503	P/A	Records

Table VII – H
Applicable Limits and Compliance Monitoring Requirements
S590-DEA FLASH DRUM, S848-FCCU MEROX UNIT, S850-NO. 3 HDS UNIT
S1001-NO. 50 CRUDE UNIT, S1002-NO. 1 HDS UNIT, S1003-NO. 2 HDS UNIT
S1004-NO. 2 CATALYTIC REFORMER, S1005-NO. 1 HYDROGEN PLANT
S1006-NO. 1 HDS UNIT, S1007-HYDROCRACKER UNIT, S1008-HDN UNIT
S1009-ALKYLATION UNIT, S1020-NO. 3 UOP REFORMER
S1100-METHYL TERTIARY BUTYL ETHER PLANT

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	BAAQMD 8-10-301	Y		abatement of emissions from process vessel depressurization is required until pressure is reduced to less than 1000 mm Hg	8-10-401.2 (SIP) and 8-10-501 & 502 (non-SIP)	P/E	Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – H
Applicable Limits and Compliance Monitoring Requirements
S590-DEA FLASH DRUM, S848-FCCU MEROX UNIT, S850-NO. 3 HDS UNIT S1001-NO. 50 CRUDE UNIT, S1002-NO. 1 HDS UNIT, S1003-NO. 2 HDS UNIT S1004-NO. 2 CATALYTIC REFORMER, S1005-NO. 1 HYDROGEN PLANT S1006-NO. 1 HDS UNIT, S1007-HYDROCRACKER UNIT, S1008-HDN UNIT S1009-ALKYLATION UNIT, S1020-NO. 3 UOP REFORMER S1100-METHYL TERTIARY BUTYL ETHER PLANT

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC S-1005 CO2 Vents #1 & #2	BAAQMD 8-2-301	Y		15 lb/day and 300 ppm (dry basis) total carbon	BAAQMD Cond. 22070, part 1	P/A	Annual Source Test
Equipment Leak S-1007		Y			BAAQMD Condition 1910, Part 3	P/M	Visual inspection
Through-put S-1002	BAAQMD Condition 8350, Part A1	Y		28,000 bbl naphtha/day, rolling 365-day average 10,220,000 bbl feed per 12 consecutive months	BAAQMD Condition 8350, Part A4	P/D	Records
The following applies to S1020 – No. 3 UOP Reformer							
HCl	40 CFR 63.1567 (a)(1)(ii)	Y		<= 10 ppmv dry at 3%O_2	40 CFR 63.1567(b)(2)	Initial	Performance test (Method 26)
pH	40 CFR 63.1567 (a)(2)	Y		Daily average pH of scrubbing liquid >= performance test limit	40 CFR 63.1567(c)(1)	C	pH monitoring system
Liquid-to-gas ratio	40 CFR 63.1567 (a)(2)	Y		Daily average liquid-to-gas ratio in wet scrubber >= performance test limit	40 CFR 63.1567(c)(1)	C	Liquid and gas flow meters
The following applies to S1004 – No. 3 Catalytic Reformer							
HCl	40 CFR 63.1567 (a)(1)(ii)	Y		<= 30 ppmv dry at 3%O_2	40 CFR 63.1567(b)(2)	Initial	Performance Test (Method 26)

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – H
Applicable Limits and Compliance Monitoring Requirements
S590-DEA FLASH DRUM, S848-FCCU MEROX UNIT, S850-NO. 3 HDS UNIT S1001-NO. 50 CRUDE UNIT, S1002-NO. 1 HDS UNIT, S1003-NO. 2 HDS UNIT S1004-NO. 2 CATALYTIC REFORMER, S1005-NO. 1 HYDROGEN PLANT S1006-NO. 1 HDS UNIT, S1007-HYDROCRACKER UNIT, S1008-HDN UNIT S1009-ALKYLATION UNIT, S1020-NO. 3 UOP REFORMER S1100-METHYL TERTIARY BUTYL ETHER PLANT

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
HCl	40 CFR 63.1567 (a)(1)(ii)	Y		<= 30 ppmv dry at 3%O_2	40 CFR 63.1567(c)(1)	P/E	Colormetric Tube System
HCl	40 CFR 63.1567 (a)(2)	Y		Daily average HCl <= performance test limit	40 CFR 63.1567(c)(1)	P/E	Colormetric Tube System

Table VII – Ha
Applicable Limits and Compliance Monitoring Requirements
S1038 BENZENE SATURATION UNIT

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Through-put	BAAQMD Cond 23258 Part 1	Y		5,475,000 barrels of feed to S-1038 during any 12 consecutive month period.	BAAQMD Cond 23258 Part 5	P/D	Records
POC	BAAQMD Cond 23258 Part 3	Y		0.149 lb/day (365-day average)	BAAQMD Cond 23258 Part 5	P/Q	Fugitive Emission Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - I
Applicable Limits and Compliance Monitoring Requirements
S606–WASTEWATER AIR STRIPPER A FOR NO. 50 UNIT
S607–WASTEWATER AIR STRIPPER B FOR NO. 50 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	8-2-301	Y		< 15 lb/day or < 300 ppm as total carbon	BAAQMD Cond# 7410, part 6	C	Temperature monitoring
	BAAQMD Cond# 7410, part 2	Y		700 scfm total from S606 and S607 to S950		N	
VOC	BAAQMD Cond# 7410, part 3	Y		20 ppm as C1 in stream from S606 and S607 to S950, rolling hourly average	BAAQMD Cond# 7410, part 6	C	Temperature monitoring
H2S	BAAQMD Cond# 7410, part 4	Y		1 ppm in stream from S606 and S607 to S950, rolling hourly average	BAAQMD Cond# 7410, part 6	C	Temperature monitoring
Temper-ature	BAAQMD Cond# 7410, part 5	Y		> 1500° F at S950	BAAQMD Cond# 7410, part 6	C	Temperature monitoring

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - Ia
Applicable Limits and Compliance Monitoring Requirements
S532–OIL WATER SEPARATOR; TANK T-532

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 Cond# 20099, part 4	Y		98% collection and destruction	BAAQMD Cond# 20099, part6	P/every 5 years prior to the Title V Permit Renewal	Source Test
Through-put	BAAQMD Cond # 20099, part 1	Y		Throughput shall not exceed 2,505,360 barrels during any 12 consecutive month period	BAAQMD Cond # 20099, part 9	P/M and A	Records
duration	BAAQMD Cond # 20099, part 6	Y		Preventative Maintenance on A-14 not to exceed 36 hours per any consecutive 12 month period	BAAQMD Cond # 20099, part 10	P/M	Records
throughput	BAAQMD Cond # 20099, part 6	Y		There will be no liquid flow to T-532 during preventative maintenance on A-14	BAAQMD Cond # 20099, part 10	P/M	Records

Table VII - Ib
Applicable Limits and Compliance Monitoring Requirements
S1484–OIL WATER SEPARATOR; PRESSURE VESSEL

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Through-put	BAAQMD Cond # 19762, part B1	Y		Throughput shall not exceed 2,505,360 barrels during any 12 consecutive month period	BAAQMD Cond # 19762, part B4	P/M and A	Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – J
Applicable Limits and Compliance Monitoring Requirements
S659-TANK A-659 COKE STORAGE TANK, ABATED BY A-9, COKER PRECIPITATOR
S660-TANK A-660 COKE STORAGE TANK, ABATED BY A-9, COKER PRECIPITATOR

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-301	Y	06/01/04	Ringelmann No. 1	BAAQMD Condition # 19528, Part 14a	P/D	Visual
PM	BAAQMD 6-305	Y	06/01/04	prohibition of nuisance fallout	BAAQMD Condition # 19528, Part 14a	P/D	Visual
FP	BAAQMD 6-310	Y		0.15 grain/dscf	BAAQMD Condition # 19528, Part 14a	P/D	Visual
FP	BAAQMD 6-311	Y		$4.10\ P^{0.67}$ lb/hr particulate, where P is process weight rate in ton/hr	BAAQMD Condition # 19528, Part 14a	P/D	Visual
SO2	BAAQMD 9-1-301	Y		ground level SO2 concentrations (0.5 ppm for 3 min; 0.25 ppm for 60 min; 0.05 ppm for 24 hours)	at the request of the District, 9-1-501 requires compliance with BAAQMD 1-510	P/D	SO2 CEM
Through-put	BAAQMD Cond # 20682, part 2	Y		Total throughput shall not exceed 1,016,160 tons during each rolling consecutitve 12 mo.	BAAQMD Cond # 20682, part 3	P/M	Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – Ja
Applicable Limits and Compliance Monitoring Requirements
S810-COKE LOADING SYSTEM AT PILE, S821-COKE STORAGE PILE

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-301	Y	04/01/04	Ringelmann No. 1	BAAQMD Condition # 19528, Part 14	P/Daily	Visual Inspection
PM	BAAQMD 6-305	Y	04/01/04	prohibition of nuisance fallout	BAAQMD Condition # 19528, Part 14	P/Daily	Visual Inspection
FP	BAAQMD 6-310	Y	04/01/04	0.15 grain/dscf	BAAQMD Condition # 19528, Part 14	P/Daily	Visual Inspection
FP	BAAQMD 6-311	Y	04/01/04	$4.10\ P^{0.67}$ lb/hr particulate, where P is process weight rate in ton/hr	BAAQMD Condition # 19528, Part 14	P/Daily	Visual Inspection
SO2	BAAQMD 9-1-301	Y		ground level SO2 concentrations (0.5 ppm for 3 min; 0.25 ppm for 60 min; 0.05 ppm for 24 hours)	at the request of the District, 9-1-501 requires compliance with BAAQMD 1-510	C	SO2 CEM

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - K
Applicable Limits and Compliance Monitoring Requirements
S802- FLUID CATALYTIC CRACKING UNIT AND CATALYST REGENERATOR
S802 IS ABATED BY S901 CO BO~~L~~ILER, SEE TABLE VII – V FOR APPLICABLE LIMITS AND COMPLIANCE MONITORING REQUIREMENTS FOR PARTICULATE EMISSIONS

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
SO2	BAAQMD 9-1-301	Y		ground level SO2 concentrations (0.5 ppm for 3 min; 0.25 ppm for 60 min; 0.05 ppm for 24 hours)	BAAQMD 1-510	C	SO2 GLM
SO2	BAAQMD 9-1-310.1	Y		1000 ppmv	BAAQMD 9-1-502, BAAQMD 1-520.5	C	SO2 CEM
NOx	BAAQMD Condition 11433, Part 7	Y		20 ppmvd @ 0% O2, 365-calendar day rolling average, measured prior to commingling with other streams	BAAQMD Permit Condition 11433, Part 7	C	NOx and O2 CEMs
NOx	BAAQMD Condition 11433, Parts 7 & 12	Y		40 ppmvd @ 0% O2, 7-calendar day rolling average, measured prior to commingling with other streams, except during feed hydrotreater outages	BAAQMD Condition 11433, Part 7	C	NOx and O2 CEMS
Opacity	BAAQMD 1-520.6 6-302	Y		20% opacity, except for 3 minutes in any one hour	BAAQMD 1-520.6, 1-522, 6-501. 6-502	C	COMs

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - K
Applicable Limits and Compliance Monitoring Requirements
S802- FLUID CATALYTIC CRACKING UNIT AND CATALYST REGENERATOR
S802 IS ABATED BY S901 CO BO~~L~~ILER, SEE TABLE VII – V FOR APPLICABLE LIMITS AND COMPLIANCE MONITORING REQUIREMENTS FOR PARTICULATE EMISSIONS

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	NSPS Subpart J 60.102(a)(2) MACT Subpart UUU 63.1564 (a)(1) BAAQMD 1-520.8 BAAQMD Condition 11433, Part 11	Y		30% opacity, except for one 6 minute average opacity reading in 1 hour	NSPS Subpart J 60.105(a)(1), 60.105(e)(1), MACT Subpart UUU 63.1564(b)(1) 63.1564(c)(1) BAAQMD 6-501. 6-502 and 1-522 BAAQMD Condition 11433, Part 11	C	COMs
PM	NSPS Subpart J 60.102(a)(1) 60.102 (b) MACT Subpart UUU 63.1564 (a)(1) BAAQMD Condition 11433, Part 10	Y		1.0 lb per 1000 lb of coke burn-off.	NSPS Subpart J 60.105(c), MACT Subpart UUU 63.1564(b)(5) 63.1564(c)(1) BAAQMD Condition 11433, Part 11	N	None
SO_2	NSPS Subpart J 60.104(b)(2) 60.104(c)	Y		9.8 kg/Mg (20 lb/ton) coke burn-off, 7-day rolling average	NSPS Subpart J 60.105(c), 60.106(i)(12)	C	SO_2 CEM

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - K
Applicable Limits and Compliance Monitoring Requirements
S802- FLUID CATALYTIC CRACKING UNIT AND CATALYST REGENERATOR
S802 IS ABATED BY S901 CO BO~~L~~ILER, SEE TABLE VII – V FOR APPLICABLE LIMITS AND COMPLIANCE MONITORING REQUIREMENTS FOR PARTICULATE EMISSIONS

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
SO_2	BAAQMD Condition 11433, Part 8	Y		25 ppmvd @ 0% O2, 365-day rolling average	BAAQMD Condition 11433, Part 8	C	SO_2 and O_2 CEMs
SO_2	BAAQMD Condition 11433, Parts 8 & 12	Y		50 ppmvd @ 0% O2, 7-day rolling average, except during feed hydrotreater outages	BAAQMD Condition 11433, Part 8	C	SO_2 and O_2 CEMs
CO	NSPS Subpart J 60.103(a) MACT Subpart UUU 63.1565 (a)(1)	Y		500 ppmvd, 1-hour average	NSPS Subpart J 60.105(a)(2), 60.105(c) MACT Subpart UUU 63.1565(b)(1) 63.1565(c)(1)	C	CO CEMs
CO	BAAQMD Condition 11433, Part 9	Y		500 ppmvd @ 0% O2, 1-hour block average	BAAQMD Condition 11433, Part 9	C	CO & O2 CEMs
Visible Emissions	BAAQMD 6-301	Y		Ringelmann No. 1 for no more than 3 minutes/hour	N	C	COM
FP	BAAQMD 6-310	Y		0.15 grain/dscf	BAAQMD Condition # 11433, Part 2B, Condition #22150, part 1	C	COM
S802 IS ABATED BY S901 CO BOLILER, SEE TABLE VII – V FOR APPLICABLE LIMITS AND COMPLIANCE MONITORING REQUIREMENTS FOR PARTICULATE EMISSIONS							

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – L

Applicable Limits and Compliance Monitoring Requirements
S804–BLOWDOWN TOWER CAT CRACKER W/O CONTROLS
S807–COKER BLOWDOWN DRUM
~~S822–CRACKER AREA BLOWDOWN WITH QUENCH SYSTEM W CONTROLS~~
S834–NO. 50 CRUDE UNIT BLOWDOWN DRUM W/O CONTROLS
S853–FCCU FEED SURGE DRUM,S856–SPARE DEA STRIPPER

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	BAAQMD 8-10-301	Y		abatement of emissions from process vessel depressurization is required until pressure is reduced to less than 1000 mm Hg	8-10-401.2 (SIP) and 8-10-501 & 502 (non-SIP)	P/E	Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - M
Applicable Limits and Compliance Monitoring Requirements
S806–FLUID COKER, CAPACITY: 53,200 BARRELS PER DAY ABATED BY A-8 COKER CO BOILER PRECIPITATOR

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
SO2	BAAQMD 9-1-301	Y		ground level SO2 concentrations (0.5 ppm for 3 min; 0.25 ppm for 60 min; 0.05 ppm for 24 hours)	at the request of the District, 9-1-501 requires compliance with BAAQMD 1-510	C	SO2 CEM
PM	BAAQMD 9-1-310.1	Y		SO2 emission limits for FCCs and fluid cokers (1000 ppmv)	9-1-502 requires compliance with BAAQMD 1-520.5 (FCCs) and 1-520.6 (fluid cokers)	C	SO2 CEM
Visible Emissions	BAAQMD 6-301	Y		> 20% Opacity for no more than 3 minutes/hour	BAAQMD 1-520.6	C	COM
FP	BAAQMD 6-310	Y		0.15 grain/dscf	BAAQMD 6-501	C	COM
FP	BAAQMD 6-310	Y		0.15 grain/dscf	BAAQMD Condition #22150, part 1	C	COM

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - N
Applicable Limits and Compliance Monitoring Requirements
S815–NO. 1 FEED PREP. UNIT, S816-NO. 2 FEED PREP. UNIT, S817-NO. 3 CRUDE UNIT

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 8-2-301	Y		miscellaneous operations shall not emit more than 15 lb/day and containing a concentration of more than 300 ppm total carbon on a dry basis	8-2-601	N	BAAQMD source test method or EPA Method 25 or 25A
POC	BAAQMD 8-10-301	Y		abatement of emissions from process vessel depressurization is required until pressure is reduced to less than 1000 mm Hg	8-10-401.2 (SIP) and 8-10-501 & 502 (non-SIP)	P/E	Records

Table VII - I
Applicable Limits and Compliance Monitoring Requirements
S819–API OIL WATER SEPARATOR

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 8-8-114	Y		Exemption: Bypassed Oil-Water Separator or Air Flotation Influent: exemption from 8-8-301, 302, and 307 for wastewater that bypasses either the oil-water separator or air flotation unit provided that: the requirements of 8-8-501 are met and the District did not predict a federal ozone excess for that day	8-8-501	P/Initially and then Semi-annually	records of amount of bypassed wastewater, duration, date, causes for bypasses, and dissolved critical OC conc. (volume)

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - I
Applicable Limits and Compliance Monitoring Requirements
S819–API OIL WATER SEPARATOR

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 8-8-302.3	Y		95% collection and destruction			

Table VII – O
Applicable Limits and Compliance Monitoring Requirements
S823–HEAT EXCHANGER CLEANING PIT NORTH-TANK M286
S824–HEAT EXCHANGER CLEANING PIT SOUTH-TANK M287

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-301	Y		Ringelmann No. 1	BAAQMD Condition 22227, part 1	P/E	Visual Emissions Check
PM	BAAQMD 6-305	Y		prohibition of nuisance fallout	none	N	N/A
VOC	BAAQMD 8-2-301			miscellaneous operations shall not emit more than 15 lb/day and containing a concentration of more than 300 ppm total carbon on a dry basis	8-2-601	N	BAAQMD source test method or EPA Method 25 or 25A

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - R
Applicable Limits and Compliance Monitoring Requirements
S854-EAST AIR FLARE, S992-EMERGENCY FLARE, S1013-AMMONIA PLANT FLARE

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
SO2	60.104(a)(1)	Y		H2S in fuel gas burned ≤ 230 mg/dscm (0.1 gr/dscf), EXCEPT process upset gases or emergency malfunctions	60.105(a)(3) or 60.105(a)(4)	P/C	Records SO2/O2 or H2S
Flare Design	60.18(c)3	Y		Heat content specification as per (c)(3)(ii) and maximum tip velocity specification per (c)(4), or 60.18(c)(3)(i) flare specifications	60.18(f)(3) 60.18(f)(4) 60.18(f)(5	P/E	Records of heat content and maximum tip velocity
Presence of a Flame	40 CFR 60.18(c)(2)	Y		The flare shall be operated with a flame present at all times	60.18(f)(2)	P/C	Flame Detector
		N	12/4/03		BAAQMD Regulation 12-11-501 & 12-11-505	P/C	Flow Rate
		N	9/4/03		BAAQMD Regulation 12-11-502.1 & 12-11-505	P/E	Composition
		N	3/4/04		BAAQMD Regulation 12-11-502.3 & 12-11-505	P/E	Composition
		N			BAAQMD Regulation 12-11-503 & 12-11-505	P/C	Flame Detector
		N			BAAQMD Regulation 12-11-504 & 12-11-505	P/C	Purge Gas Flow Rate
		N	12/4/03 (if video monitor installed by 1/1/03)		BAAQMD Regulation 12-11-507	P/C	1 frame per minute image video recording
		N	12/4/03 (if any >1E6 SCF/24-hr vent gas flared)		BAAQMD Regulation 12-11-507	P/C	1 frame per minute image video recording

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - R
Applicable Limits and Compliance Monitoring Requirements
S854-EAST AIR FLARE, S992-EMERGENCY FLARE, S1013-AMMONIA PLANT FLARE

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-301	Y		Ringelmann No. 1	6-401	P/E	Visual Inspection
FP	BAAQMD 6-305	Y		prohibition of nuisance fallout	6-401	P/E	Visual Inspection
	BAAQMD 6-310	Y		Process Weight Limitation	None	N	None

Table VII - S
Applicable Limits and Compliance Monitoring Requirements
S944-NORTH STEAM FLARE
S945-SOUTH STEAM FLARE, S1012-WEST AIR FLARE

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
		N	12/4/03		BAAQMD Regulation 12-11-501 & 12-11-505	P/C	Flow Rate
		N	9/4/03		BAAQMD Regulation 12-11-502.1 & 12-11-505	P/E	Composition
		N	3/4/04		BAAQMD Regulation 12-11-502.3 & 12-11-505	P/E	Composition
		N			BAAQMD Regulation 12-11-503 & 12-11-505	P/C	Flame Detector
		N			BAAQMD Regulation 12-11-504 & 12-11-505	P/C	Purge Gas Flow Rate
		N	12/4/03 (if video monitor installed by 1/1/03)		BAAQMD Regulation 12-11-507	P/C	1 frame per minute image video recording

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - S
Applicable Limits and Compliance Monitoring Requirements
S944-NORTH STEAM FLARE
S945-SOUTH STEAM FLARE, S1012-WEST AIR FLARE

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
		N	12/4/03 (if any >1E6 SCF/24-hr vent gas flared)		BAAQMD Regulation 12-11-507	P/C	1 frame per minute image video recording
Opacity	BAAQMD 6-301	Y		Ringelmann No. 1	6-401	P/E	Visual Inspection
FP	BAAQMD 6-305	Y		prohibition of nuisance fallout	6-401	P/E	Visual Inspection
	BAAQMD 6-310	Y		Process Weight Limitation	None	N	None

Table VII - Sa
Applicable Limits and Compliance Monitoring Requirements
S943-TANK 691 SAFETY FLARE

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-301	Y		Ringelmann No. 1	6-401	P/E	Visual Inspection
FP	BAAQMD 6-305	Y		prohibition of nuisance fallout	6-401	P/E	Visual Inspection
	BAAQMD 6-310	Y		Process Weight Limitation	None	N	None

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - Sb
Applicable Limits and Compliance Monitoring Requirements
A39 API THERMAL OXIDIZER
(SEE SOURCES IN TABLE VII – I: S819 (API) AND TABLE VII – A: S1026 (AIR STRIPPER) FOR APPLICABLE LIMITS AND COMPLIANCE MONITORING REQUIREMENTS THAT ARE REQUIRED BY THE SOURCES THAT ARE ABATED BY A-39

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
SO2	60.104(a)(1)	Y		H2S in fuel gas burned ≤ 230 mg/dscm (0.1 gr/dscf), EXCEPT process upset gases or emergency malfunctions	60.105(a)(3) or 60.105(a)(4)	P/C	Records SO2/O2 or H2S
Opacity	BAAQMD 6-301	Y		Ringelmann No. 1	6-401	P/E	Visual Inspection
FP	BAAQMD 6-305	Y		prohibition of nuisance fallout	6-401	P/E	Visual Inspection
	BAAQMD 6-310	Y		Process Weight Limitation	None	N	None

Table VII - Sc
Applicable Limits and Compliance Monitoring Requirements
A40 TRACT 6 ELECTRIC THERMAL OXIDIZER, A42 HYDROCRACKER ELECTRIC THERMAL OXIDIZER, A43 TRACT 3 ELECTRIC THERMAL OXIDIZER

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-301	Y		Ringelmann No. 1	6-401	P/E	Visual Inspection
FP	BAAQMD 6-305	Y		prohibition of nuisance fallout	6-401	P/E	Visual Inspection
	BAAQMD 6-310	Y		Process Weight Limitation	None	N	None
		N		A40 Residence time determination	BAAQMD Condition 11609, part B2	C	Temperature monitor
		N		A40 Residence time determination	BAAQMD Condition 11609, part B2	C	Flow indicator

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - Sc
Applicable Limits and Compliance Monitoring Requirements
A40 TRACT 6 ELECTRIC THERMAL OXIDIZER, A42 HYDROCRACKER ELECTRIC THERMAL OXIDIZER, A43 TRACT 3 ELECTRIC 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
		N		A40 used for abatment	BAAQMD Condition 11609, part D5	P/E/ twice daily	records
		N		A42 Residence time determination	BAAQMD Condition 11609, part C2	C	Temperature monitor
		N		A42 Residence time determination	BAAQMD Condition 11609, part C2	C	Flow indicator
		N		A42 used for abatment	BAAQMD Condition 11609, part C5	P/E/ twice daily	records
		N		A43 Residence time determination	BAAQMD Condition 11609, part D2	C	Temperature monitor
		N		A43 Residence time determination	BAAQMD Condition 11609, part D2	C	Flow indicator
		N		A43 used for abatment	BAAQMD Condition 11609, part D5	P/E/ twice daily	records

Table VII - Sd
Applicable Limits and Compliance Monitoring Requirements
A1402 Scot Tail Gas Unit/Incinerator

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
SO2	60.104(a)(1)	Y		H2S in fuel gas burned ≤ 230 mg/dscm (0.1 gr/dscf), EXCEPT process upset gases or emergency malfunctions	60.105(a)(3) or 60.105(a)(4)	P/C	Records SO2/O2 or H2S
Opacity	BAAQMD 6-301	Y		Ringelmann No. 1	6-401	P/E	Visual Inspection
FP	BAAQMD 6-305	Y		prohibition of nuisance fallout	6-401	P/E	Visual Inspection

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - Sd
Applicable Limits and Compliance Monitoring Requirements
A1402 Scot Tail Gas Unit/Incinerator

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
	BAAQMD 6-310	Y		Process Weight Limitation	None	N	None

Table VII - T
Applicable Limits and Compliance Monitoring Requirements
S846-NO. 3 HDS COOLING TOWER
S976-NO. 5 GAS PLANT COOLING TOWER
S977-CRUDE UNIT COOLING TOWER
S978-FOUL WATER STRIPPER COOLING TOWER
S979-NO. 2 FEED PREP COOLING TOWER
S980-HYDROCRACKER COOLING TOWER
S981-NO. 1 HDS COOLING TOWER
S983-ALKY AND NO. 2 REFORMER COOLING TOWER
S985-NO. 1 GAS PLANT COOLING TOWER
S987-NO. 50 UNIT COOLING TOWER
S988-NO. 3 REFORMER COOLING TOWER

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 Regulation 6-301	Y		Ringelmann No. less than 1 for more than 3 minutes	none	N	N/A
FP	BAAQMD Regulation 6-310	Y		No emissions from source > 0.15 grains per dscf of exhaust gas volume	none	N	N/A
FP	BAAQMD Regulation 6-311	Y		Process weight < those on Table 1 of Regulation 6-311		N	N/A

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - Ta
Applicable Limits and Compliance Monitoring Requirements
S975-NO. 4 GAS PLANT COOLING TOWER

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Solid content	BAAQMD Condition 19199, Part D3	Y		Solid < 5000 mg/liter	BAAQMD Condition 19199, Part D4	P/quarterly	Source test
POC	BAAQMD Condition 19199, Part D1	Y		Water Recirculation < 69,000 gpm, 4,140,000 gph	BAAQMD Condition 19199, Part D2	N	Initial determinatio n
	BAAQMD Condition 19199, Part D5	Y		POC content < 100 ppm gasoline range organics (EPA Method 8015) and 100 ppm diesel range orgnics (EPA Method 8015)	BAAQMD Condition 19199, Part D5	P/once per week	Source Test
	BAAQMD Condition 19199, Part D6	Y		POC content < 100 ppm gasoline range organics (EPA Method 8015) and 100 ppm diesel range orgnics (EPA Method 8015)	BAAQMD Condition 19199, Part D6	For the 26 weeks: P/two times per week from return line AND P/once a month from the basin	Source Test
	BAAQMD Condition 18435, Part 3	Y	6/1/04	Water Recirculation < 69,000 gpm, 4,140,000 gph	BAAQMD Condition 18435, Part 3	P/monthly	3rd Party Source Test
Opacity	BAAQMD Regulation 6-301	Y		Ringelmann No. less than 1 for more than 3 minutes	none	N	N/A

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - Ta
Applicable Limits and Compliance Monitoring Requirements
S975-NO. 4 GAS PLANT COOLING TOWER

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
FP	BAAQMD Regulation 6-310	Y		No emissions from source > 0.15 grains per dscf of exhaust gas volume	none	N	N/A
FP	BAAQMD Regulation 6-311	Y		Process weight < those on Table 1 of Regulation 6-311		N	N/A

Table VII - Tb
Applicable Limits and Compliance Monitoring Requirements
S982-NO. 2 HDS COOLING TOWER

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Solid content	BAAQMD Condition 19199, Part E3	Y		Solid < 5000 mg/liter	BAAQMD Condition 19199, Part E4	P/quarterly	Source test
POC	BAAQMD Condition 19199, Part E1	Y		Water Recirculation < 18,000 gpm, 1,080,000 gph	BAAQMD Condition 19199, Part E2	N	Initial determinatio n
	BAAQMD Condition 19199, Part E5	Y		POC content < 100 ppm gasoline range organics (EPA Method 8015) and 100 ppm diesel range orgnics (EPA Method 8015)	BAAQMD Condition 19199, Part E6	P/once per week	Source Test

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - Tb
Applicable Limits and Compliance Monitoring Requirements
S982-NO. 2 HDS COOLING TOWER

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
	BAAQMD Condition 19199, Part E6	Y		POC content < 100 ppm gasoline range organics (EPA Method 8015) and 100 ppm diesel range orgnics (EPA Method 8015)	BAAQMD Condition 19199, Part E6	For the 26 weeks: P/two times per week from return line AND P/once a month from the basin	Source Test
Opacity	BAAQMD Regulation 6-301	Y		Ringelmann No. less than 1 for more than 3 minutes	none	N	N/A
FP	BAAQMD Regulation 6-310	Y		No emissions from source > 0.15 grains per dscf of exhaust gas volume	none	N	N/A
FP	BAAQMD Regulation 6-311	Y		Process weight < those on Table 1 of Regulation 6-311		N	N/A

Table VII – U
Applicable Limits and Compliance Monitoring Requirements
S857-COLD CLEANER; MACHINE SHOP GOVERNOR ROOM
S858-COLD CLEANER; MACHINE SHOP LAPPING ROOM
S859-COLD CLEANER; MACHINE SHOP
S860-COLD CLEANER; TOOL ROOM, S861-COLD CLEANER; AUTO SHOP
S1455-COLD CLEANER, COLD CLEANER, AUTO SHOP
S1456-COLD CLEANER, COLD CLEANER, I&E SHOP
S1457-COLD CLEANER, COLD CLEANER, COMPRESSOR SHOP
S1458-COLD CLEANER, COLD CLEANER, VALVE SHOP

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			Regulation 8-16-501	P/M	Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - V
Applicable Limits and Compliance Monitoring Requirements
S901-FCCU NO. 7 BOILERHOUSE, CAPACITY: 487 MMBTU/HR, REFINERY FUEL GAS, CARBON MONOXIDE

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
NOx		Y		CEM for NOx, O2, or CO2 only if >250 MMBTU/hr	BAAQMD 1-520.1	C	CEM
NOx	BAAQMD Condition # 11433, Part 2	Y		Total from S-802/S-901 ≤ 354.4 tpy	BAAQMD Condition # 11433, Part 4 and Part 2A	C	CEM
NOx	BAAQMD Condition # 11433, Part 2	Y		Total from S-802/S-901 ≤ 354.4 tpy	BAAQMD Condition # 11433, Part 4	P/M	Source Test
NOx	BAAQMD 9-10-303.1	Y		Federal interim emissions: CO Boiler emissions: 300 ppm (dry, 3% O_2)	BAAQMD 9-10-502	C	CEM
NOx	BAAQMD 9-10-304	N		CO Boiler emissions: 150 ppm (dry, 3% O_2) or >50% abatement	BAAQMD 9-10-502	C	CEM
O2		Y		CEM for NOx, O2, or CO2 only if >250 MMBTU/hr	BAAQMD 1-520.1	C	Monitor
O2		Y		No limit	BAAQMD 9-10-502	C	Monitor
O2		Y		No limit	40 CFR 60.45(a)	C	CEM
CO	BAAQMD Condition # 11433, Part 2	Y		Total from S-802/S-901 ≤ 121.9 tpy	BAAQMD Condition # 11433, Part 4	C	Monitor

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - V
Applicable Limits and Compliance Monitoring Requirements
S901-FCCU NO. 7 BOILERHOUSE, CAPACITY: 487 MMBTU/HR, REFINERY FUEL GAS, CARBON MONOXIDE

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
CO	BAAQMD Condition # 11433, Part 2	Y		Total from S-802/S-901 ≤ 121.9 tpy	BAAQMD Condition # 11433, Part 4	P/M	Source Test
CO	BAAQMD 9-10-305	N		400 ppmv (dry, 3% O_2)	BAAQMD 9-10-502 and BAAQMD Condition 19588 part 3	P/Twice Per Year	Source Test
PM/PM10	BAAQMD Condition # 11433, Part 2	Y		Total from S-802/S-901 ≤ 151.5 tpy	BAAQMD Condition # 11433, Part 4 and 2B	C	COM
PM/PM10	BAAQMD Condition # 11433, Part 2	Y		Total from S-802/S-901 ≤ 151.5 tpy	BAAQMD Condition # 11433, Part 4	P/M	Source Test
Visible Emissions	BAAQMD 6-301	Y		Ringelmann No. 1 for no more than 3 minutes/hour	N	C	COM
~~Opacity~~	~~BAAQMD 6-302~~	~~Y~~		~~> 20% Opacity for no more than 3 minutes/hour~~	~~BAAQMD 1-520.6~~	~~C~~	~~COM~~
Opacity	BAAQMD 6-304	Y		During tube cleaning, Ringelmann No. 2 for 3 min/hr and 6 min/billion btu/24 hours	None or BAAQMD 1-520.1	C	COM
FP	BAAQMD 6-310	Y		30% opacity	BAAQMD Condition #22150, part 2	C	COM

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - V
Applicable Limits and Compliance Monitoring Requirements
S901-FCCU NO. 7 BOILERHOUSE, CAPACITY: 487 MMBTU/HR, REFINERY FUEL GAS, CARBON MONOXIDE

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
FP	BAAQMD 6-310	Y		0.15 grain/dscf	BAAQMD Condition # 11433, Part 2B	P/A	Source Test
	BAAQMD 6-310.3	Y		0.15 grain/dscf @ 6% O2		N	
POC	BAAQMD Condition # 11433, Part 2	Y		Total from S-802/S-901 ≤ 5.8 tpy	BAAQMD Condition # 11433, Part 4	P/M	Source Test
SO2	BAAQMD Condition # 11433, Part 2	Y		Total from S-802/S-901 ≤ 1335.5 tpy	BAAQMD Condition # 11433, Part 4 and Part 2A	C	CEM
SO2	BAAQMD Condition # 11433, Part 2	Y		Total from S-802/S-901 ≤ 1335.5 tpy	BAAQMD Condition # 11433, Part 4	P/M	Source Test
SO2	BAAQMD 9-1-301	Y		GLC[3] of 0.5 ppm for 3 min. or 0.25 ppm for 60 min. or 0.05 ppm for 24 hours	BAAQMD 9-1-501	C	Area monitoring
Fuel Flow		Y		Firing duty limits amount of fuel.	BAAQMD 9-10-502.2	C	Fuel Flowmeter

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – W
Applicable Limits and Compliance Monitoring Requirements
S904-NO. 6 BOILERHOUSE, CAPACITY: 775 MMBTU/HR, REFINERY FUEL GAS, NATURAL GAS, COKER FLUE GAS (WHEN S903 NO. 5 BOILERHOUSE IS SHUTDOWN)

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
NOx		Y		CEM for NOx, O2, or CO2 only if >250 MMBTU/hr	BAAQMD 1-520.1	C	CEM
NOx	BAAQMD 9-10-301	Y		Refinery-wide emissions (excluding CO Boilers): 0.033 lb NOx/ MMBTU	BAAQMD 9-10-502	C	CEM
NOx	BAAQMD 9-10-303	Y		Federal interim emissions: Refinery-wide emissions (excluding CO Boilers): 0.20 lb NOx/MMBTU	BAAQMD 9-10-502	C	CEM
NOx	BAAQMD 9-10-303.1	Y		Federal interim emissions: CO Boiler emissions: 300 ppm (dry, 3% O_2)	BAAQMD 9-10-502	C	CEM
NOx	BAAQMD 9-10-304	N		CO Boiler emissions: 150 ppm (dry, 3% O_2) or >50% abatement	BAAQMD 9-10-502	C	CEM
O2		Y		CEM for NOx, O2, or CO2 only if >250 MMBTU/hr	BAAQMD 1-520.1	C	Monitor
O2		Y		No limit	BAAQMD 9-10-502	C	Monitor
O2		Y		No limit	40 CFR 60.45(a)	C	Monitor
CO	BAAQMD 9-10-305	N		400 ppmv (dry, 3% O_2)	BAAQMD 9-10-502	P/M	Source Test
Visible Emissions	BAAQMD 6-301	Y		Ringelmann No. 1 for no more than 3 minutes/hour	None	N	None

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – W
Applicable Limits and Compliance Monitoring Requirements
S904-NO. 6 BOILERHOUSE, CAPACITY: 775 MMBTU/HR, REFINERY FUEL GAS, NATURAL GAS, COKER FLUE GAS (WHEN S903 NO. 5 BOILERHOUSE IS SHUTDOWN)

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 6-302	Y		> 20% Opacity for no more than 3 minutes/hour	BAAQMD Condition #17322, Part 4a, BAAQMD 1-520.1	C	COM
	BAAQMD 6-304	Y		During tube cleaning, Ringelmann No. 2 for 3 min/hr and 6 min/billion btu/24 hours	None or BAAQMD 1-520.1	C	COM
FP	BAAQMD 6-310	Y		30% opacity	BAAQMD Condition #22150, part 2	C	COM
	BAAQMD 6-310.3	Y		0.15 grain/dscf @ 6% O2	BAAQMD Condition # 17322, Part 4a, Condition #22150, part 1	C	COM
	BAAQMD 6-310.3	Y		0.15 grain/dscf @ 6% O2	BAAQMD Condition # 17322, Part 4a	P/A	Source Test
SO2	BAAQMD 9-1-301	Y		GLC[3] of 0.5 ppm for 3 min. or 0.25 ppm for 60 min. or 0.05 ppm for 24 hours	BAAQMD 9-1-501	C	Area monitoring
H2S	BAAQMD Condition 23562,Part 1 40 CFR 60 Subpart J 60.104(a)(1) 60.105(e)(4)(ii)	Y		160 ppmv, dry, 3 hour rolling average	BAAQMD Condition 23562, Part 3 40 CFR 60.105(a)(4)	C	H2S analyzer on fuel gas

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – W
Applicable Limits and Compliance Monitoring Requirements
S904-NO. 6 BOILERHOUSE, CAPACITY: 775 MMBTU/HR, REFINERY FUEL GAS, NATURAL GAS, COKER FLUE GAS (WHEN S903 NO. 5 BOILERHOUSE IS SHUTDOWN)

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Fuel Flow		Y		Firing duty limits amount of fuel.	BAAQMD 9-10-502.2	C	Fuel Flowmeter]
Fuel Flow	BAAQMD Condition 22590, Part 2	Y		Type and amount of fuel burned	BAAQMD Condition 22590, Part 3	C	Fuel Flowmeter

Table VII - X
Applicable Limits and Compliance Monitoring Requirements
S902-FCC START UP HEATER, 85 MMBTU/HR, REFINERY FUEL GAS, NATURAL GAS
S905-NO. STACK HEATER; NO. 6 BOILERHOUSE (FOR START UP ONLY), 47 MMBTU/HR, REFINERY FUEL GAS
S923-COKER AUXILIARY BURNER (START UP USE ONLY), 170 MMBTU/HR, REFINERY FUEL GAS, NATURAL GAS

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 9-10-112	Y		Low Fuel Usage	BAAQMD 9-10-502.2	C	Record keeping
NOx	BAAQMD 9-10-306	Y		Small Unit Requirments	BAAQMD 9-10-502.2	C	Record keeping
H2S	BAAQMD Condition 23562,Part 1 40 CFR 60 Subpart J 60.104(a)(1) 60.105(e)(4)(ii)	Y		160 ppmv, dry, 3 hour rolling average	BAAQMD Condition 23562, Part 3 40 CFR 60.105(a)(4)	C	H2S analyzer on fuel gas

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – Y
Applicable Limits and Compliance Monitoring Requirements
S909- NO. 9 FURNACE; NO. 1 FEED PREP., 145 MMBTU/HR, RFGAS, NATURAL GAS
S912-NO. 12 FURNACE; NO. 1 FEED PREP., 135 MMBTU/HR, RFGAS, NATURAL GAS
S913-NO. 13 FURNACE; NO. 2 FEED PREP., 59 MMBTU/HR, RFGAS, NATURAL GAS
S915-NO. 15 FURNACE; PLATFORMER INTERMEDIATE HEATER, 50 MMBTU/HR, REFINERY FUEL GAS, NATURAL GAS
S916-NO. 16 FURNACE; NO. 1 HDS UNIT, 55 MMBTU/HR, RFGAS, NATURAL GAS
S919-NO. 19 FURNACE; NO. 2 HDS UNIT DEPENTANIZER REBOILER, 111 MMBTU/HR, REFINERY FUEL GAS, NATURAL GAS
S920- NO. 20 FURNACE; NO. 2 HDS UNIT CHARGE HEATER, 63 MMBTU/HR, REFINERY FUEL GAS, NATURAL GAS
S921-NO. 21 FURNACE; NO. 2 HDS UNIT CHARGE HEATER, 63 MMBTU/HR, REFINERY FUEL GAS, NATURAL GAS

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	~~12/1/2004 for monitor-ing~~	Refinery-wide emissions (excluding CO Boilers): 0.033 lb NOx/ MMBTU	BAAQMD 9-10-502 and BAAQMD Condition 18372, part 33	P/Twice per year	Source Test
NOx	BAAQMD 9-10-303	Y		Federal interim emissions: Refinery-wide emissions (excluding CO Boilers): 0.20 lb NOx/MMBTU	BAAQMD Condition 18372, part 33	P/Twice per year	Source Test
O2		N	~~9/1/2004~~	No limit	BAAQMD 9-10-502 and BAAQMD Condition 18372, part 28	C	CEM

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – Y
Applicable Limits and Compliance Monitoring Requirements
S909- NO. 9 FURNACE; NO. 1 FEED PREP., 145 MMBTU/HR, RFGAS, NATURAL GAS
S912-NO. 12 FURNACE; NO. 1 FEED PREP., 135 MMBTU/HR, RFGAS, NATURAL GAS
S913-NO. 13 FURNACE; NO. 2 FEED PREP., 59 MMBTU/HR, RFGAS, NATURAL GAS
S915-NO. 15 FURNACE; PLATFORMER INTERMEDIATE HEATER, 50 MMBTU/HR, REFINERY FUEL GAS, NATURAL GAS
S916-NO. 16 FURNACE; NO. 1 HDS UNIT, 55 MMBTU/HR, RFGAS, NATURAL GAS
S919-NO. 19 FURNACE; NO. 2 HDS UNIT DEPENTANIZER REBOILER, 111 MMBTU/HR, REFINERY FUEL GAS, NATURAL GAS
S920- NO. 20 FURNACE; NO. 2 HDS UNIT CHARGE HEATER, 63 MMBTU/HR, REFINERY FUEL GAS, NATURAL GAS
S921-NO. 21 FURNACE; NO. 2 HDS UNIT CHARGE HEATER, 63 MMBTU/HR, REFINERY FUEL GAS, NATURAL GAS

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
CO	BAAQMD 9-10-305	N	~~12/1/04~~	400 ppmv (dry, 3% O_2)	BAAQMD 9-10-502 and and BAAQMD Condition 18372, part 33 Condition 19528 part 4	P/Twice Per Year	Source Test
FP	BAAQMD 6-310	Y		0.15 grain/dscf		N	
	BAAQMD 6-310.3	Y		0.15 grain/dscf @ 6% O2		N	
Fuel Flow		Y		No limit	BAAQMD 9-10-502.2	C	Fuel Flowmeter
H2S (S919)	40 CFR 60 Subpart J 60.104(a)(1) 60.105(e)(4)(ii)	Y		160 ppmv, dry, 3 hour rolling average	40 CFR 60.105(a)(4)	C	H2S analyzer on fuel gas

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – Y
Applicable Limits and Compliance Monitoring Requirements
S909- NO. 9 FURNACE; NO. 1 FEED PREP., 145 MMBTU/HR, RFGAS, NATURAL GAS
S912-NO. 12 FURNACE; NO. 1 FEED PREP., 135 MMBTU/HR, RFGAS, NATURAL GAS
S913-NO. 13 FURNACE; NO. 2 FEED PREP., 59 MMBTU/HR, RFGAS, NATURAL GAS
S915-NO. 15 FURNACE; PLATFORMER INTERMEDIATE HEATER, 50 MMBTU/HR, REFINERY FUEL GAS, NATURAL GAS
S916-NO. 16 FURNACE; NO. 1 HDS UNIT, 55 MMBTU/HR, RFGAS, NATURAL GAS
S919-NO. 19 FURNACE; NO. 2 HDS UNIT DEPENTANIZER REBOILER, 111 MMBTU/HR, REFINERY FUEL GAS, NATURAL GAS
S920- NO. 20 FURNACE; NO. 2 HDS UNIT CHARGE HEATER, 63 MMBTU/HR, REFINERY FUEL GAS, NATURAL GAS
S921-NO. 21 FURNACE; NO. 2 HDS UNIT CHARGE HEATER, 63 MMBTU/HR, REFINERY FUEL GAS, NATURAL GAS

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
H2S (all except S919)	BAAQMD Condition 23562,Part 1 40 CFR 60 Subpart J 60.104(a)(1) 60.105(e)(4)(ii)	Y	12/31/2010 for S909, S912, S913	160 ppmv, dry, 3 hour rolling average	BAAQMD Condition 23562, Part 3 40 CFR 60.105(a)(4)	C	H2S analyzer on fuel gas
TRS S916	BAAQMD condition 21186 part 3	Y		300 ppmvd TRS in 100 # fuel gas	BAAQMD condition 21186 Part 7	P/E	Sample and analysis
TRS S916	BAAQMD condition 21186 part 4	Y		Annual average 281 ppmvd TRS in 100# fuel gas	BAAQMD condition 21186 Part 7	P/E	Sample and analysis
Total Sulfur S913				Total Sulfur in the 100 pound fuel gas	BAAQMD condition 22621	P/Daily	Total Sulfur

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – Z
Applicable Limits and Compliance Monitoring Requirements
S922-NO. 22 FURNACE; NO. 5 GAS PLANT DEBUTANIZER REBOILER, 130 MMBTU/HR, REFINERY FUEL GAS, NATURAL GAS
S926-NO. 26 FURNACE; #2 REFORMER SPLITTER REBOILER, 145 MMBTU/HR, REFINERY FUEL GAS
S934-NO. 34 FURNACE; HYDROCRACKER STABILIZER REBOILER, 152 MMBTU/HR, REFINERY FUEL GAS, NATURAL GAS
S935-NO. 35 FURNACE; HYDROCRACKER SPLITTER REBOILER, 152 MMBTU/HR, REFINERY FUEL GAS, NATURAL GAS
S951-NO. 51 FURNACE; NO. 2 REFORMER AUXILIARY REHEAT, 30 MMBTU/HR
S972–NO. 54 FURNACE; NO. 3 REFORMER DEBUTANIZER REBOILER, 45 MMBTU/HR, REFINERY FUEL GAS, NATURAL GAS

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	~~12/1/2004 for monitor-ing~~	Refinery-wide emissions (excluding CO Boilers): 0.033 lb NOx/ MMBTU	BAAQMD 9-10-502 and BAAQMD Condition 18372, part 33 Condition 19528 part 5	P/Twice per year	Source Test
NOx	BAAQMD 9-10-303	Y		Federal interim emissions: Refinery-wide emissions (excluding CO Boilers): 0.20 lb NOx/MMBTU	BAAQMD Condition 19528 part 5	N	None
O2		N	~~9/1/2004~~	No limit	BAAQMD 9-10-502 and BAAQMD Condition 18372, part 28	C	CEM

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – Z
Applicable Limits and Compliance Monitoring Requirements
S922-NO. 22 FURNACE; NO. 5 GAS PLANT DEBUTANIZER REBOILER, 130 MMBTU/HR, REFINERY FUEL GAS, NATURAL GAS
S926-NO. 26 FURNACE; #2 REFORMER SPLITTER REBOILER, 145 MMBTU/HR, REFINERY FUEL GAS
S934-NO. 34 FURNACE; HYDROCRACKER STABILIZER REBOILER, 152 MMBTU/HR, REFINERY FUEL GAS, NATURAL GAS
S935-NO. 35 FURNACE; HYDROCRACKER SPLITTER REBOILER, 152 MMBTU/HR, REFINERY FUEL GAS, NATURAL GAS
S951-NO. 51 FURNACE; NO. 2 REFORMER AUXILIARY REHEAT, 30 MMBTU/HR
S972–NO. 54 FURNACE; NO. 3 REFORMER DEBUTANIZER REBOILER, 45 MMBTU/HR, REFINERY FUEL GAS, NATURAL GAS

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
CO	BAAQMD 9-10-305	N	12/1/04	400 ppmv (dry, 3% O_2)	BAAQMD 9-10-502 and BAAQMD Condition 18372, part 33 Condition 19528 part 5	P/Twice Per Year	Source Test
FP	BAAQMD 6-310	Y		0.15 grain/dscf		N	
	BAAQMD 6-310.3	Y		0.15 grain/dscf @ 6% O2		N	
H2S (S951 and S972)	BAAQMD Condition 8077, Part B4A 40 CFR 60 Subpart J 60.104(a)(1) 60.105(e)(4)(ii)	Y		160 ppmv, dry, 3 hour rolling average	BAAQMD Condition 8077, Part B4A 40 CFR 60.105(a)(4)	C	H2S analyzer on fuel gas

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – Z
Applicable Limits and Compliance Monitoring Requirements
S922-NO. 22 FURNACE; NO. 5 GAS PLANT DEBUTANIZER REBOILER, 130 MMBTU/HR, REFINERY FUEL GAS, NATURAL GAS
S926-NO. 26 FURNACE; #2 REFORMER SPLITTER REBOILER, 145 MMBTU/HR, REFINERY FUEL GAS
S934-NO. 34 FURNACE; HYDROCRACKER STABILIZER REBOILER, 152 MMBTU/HR, REFINERY FUEL GAS, NATURAL GAS
S935-NO. 35 FURNACE; HYDROCRACKER SPLITTER REBOILER, 152 MMBTU/HR, REFINERY FUEL GAS, NATURAL GAS
S951-NO. 51 FURNACE; NO. 2 REFORMER AUXILIARY REHEAT, 30 MMBTU/HR
S972–NO. 54 FURNACE; NO. 3 REFORMER DEBUTANIZER REBOILER, 45 MMBTU/HR, REFINERY FUEL GAS, NATURAL GAS

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
H2S (S922, S926, S934, S935)	BAAQMD Condition 23562, Part 1 40 CFR 60 Subpart J 60.104(a)(1) 60.105(e)(4)(ii)	Y		160 ppmv, dry, 3 hour rolling average	BAAQMD Condition 23562, Part 3 40 CFR 60.105(a)(4)	C	H2S analyzer on fuel gas
Fuel Flow		Y		No limit	BAAQMD 9-10-502.2	C	Fuel Flowmeter

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - AA
Applicable Limits and Compliance Monitoring Requirements
S917-NO. 17 FURNACE; NO. 1 HDS UNIT PREFRACTIONATOR REBOILER, 18 MMBTU/HR, REFINERY FUEL GAS
S924-NO. 24 FURNACE; COKER ANTI-COOKING STEAM SUPERHEATER, 16 MMBTU/HR, REFINERY FUEL GAS, NATURAL GAS
S928-NO. 28 FURNACE; HDN REACTOR A HEATER, 20 MMBTU/HR, RFGAS, NATURAL GAS
S929-NO. 29 FURNACE; HDN REACTOR B HEATER, 20 MMBTU/HR, REFINERY FUEL GAS, NATURAL GAS
S930-NO. 30 FURNACE; HDN REACTOR C HEATER, 20 MMBTU/HR, REFINERY FUEL GAS, NATURAL GAS
S931-NO. 31 FURNACE; HYDROCRACKER REACTOR 1 HEATER, 20 MMBTU/HR, REFINERY FUEL GAS, NATURAL GAS
S932-NO. 32 FURNACE; HYDROCRACKER REACTOR 2 HEATER, 20 MMBTU/HR, REFINERY FUEL GAS, NATURAL GAS
S933-NO. 33 FURNACE; HYDROCRACKER REACTOR 3 HEATER, 20 MMBTU/HR, REFINERY FUEL GAS, NATURAL GAS

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	~~12/1/2004 for monitor-ing~~	Refinery-wide emissions (excluding CO Boilers): 0.033 lb NOx/ MMBTU	BAAQMD 9-10-502 and BAAQMD Condition 18372, part 33	P/Once Per Year	Source Test
NOx	BAAQMD 9-10-303	Y		Federal interim emissions: Refinery-wide emissions (excluding CO Boilers): 0.20 lb NOx/MMBTU	BAAQMD Condition 18372, part 33	P/Once Per Year	Source Test
O2		N	~~9/1/2004~~	No limit	BAAQMD 9-10-502 and BAAQMD Condition 18372, part 28	C	CEM

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - AA
Applicable Limits and Compliance Monitoring Requirements
S917-NO. 17 FURNACE; NO. 1 HDS UNIT PREFRACTIONATOR REBOILER, 18 MMBTU/HR, REFINERY FUEL GAS
S924-NO. 24 FURNACE; COKER ANTI-COOKING STEAM SUPERHEATER, 16 MMBTU/HR, REFINERY FUEL GAS, NATURAL GAS
S928-NO. 28 FURNACE; HDN REACTOR A HEATER, 20 MMBTU/HR, RFGAS, NATURAL GAS
S929-NO. 29 FURNACE; HDN REACTOR B HEATER, 20 MMBTU/HR, REFINERY FUEL GAS, NATURAL GAS
S930-NO. 30 FURNACE; HDN REACTOR C HEATER, 20 MMBTU/HR, REFINERY FUEL GAS, NATURAL GAS
S931-NO. 31 FURNACE; HYDROCRACKER REACTOR 1 HEATER, 20 MMBTU/HR, REFINERY FUEL GAS, NATURAL GAS
S932-NO. 32 FURNACE; HYDROCRACKER REACTOR 2 HEATER, 20 MMBTU/HR, REFINERY FUEL GAS, NATURAL GAS
S933-NO. 33 FURNACE; HYDROCRACKER REACTOR 3 HEATER, 20 MMBTU/HR, REFINERY FUEL GAS, NATURAL GAS

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
CO	BAAQMD 9-10-305	N	12/1/04	400 ppmv (dry, 3% O_2)	BAAQMD 9-10-502 and BAAQMD Condition 18372, part 33 Condition 19528 part 6	P/Once Per Year	Source Test
FP	BAAQMD 6-310	Y		0.15 grain/dscf		N	
	BAAQMD 6-310.3	Y		0.15 grain/dscf @ 6% O2		N	
Fuel Flow		Y		No limit	BAAQMD 9-10-502.2	C	Fuel Flowmeter

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - AA
Applicable Limits and Compliance Monitoring Requirements
S917-NO. 17 FURNACE; NO. 1 HDS UNIT PREFRACTIONATOR REBOILER, 18 MMBTU/HR, REFINERY FUEL GAS
S924-NO. 24 FURNACE; COKER ANTI-COOKING STEAM SUPERHEATER, 16 MMBTU/HR, REFINERY FUEL GAS, NATURAL GAS
S928-NO. 28 FURNACE; HDN REACTOR A HEATER, 20 MMBTU/HR, RFGAS, NATURAL GAS
S929-NO. 29 FURNACE; HDN REACTOR B HEATER, 20 MMBTU/HR, REFINERY FUEL GAS, NATURAL GAS
S930-NO. 30 FURNACE; HDN REACTOR C HEATER, 20 MMBTU/HR, REFINERY FUEL GAS, NATURAL GAS
S931-NO. 31 FURNACE; HYDROCRACKER REACTOR 1 HEATER, 20 MMBTU/HR, REFINERY FUEL GAS, NATURAL GAS
S932-NO. 32 FURNACE; HYDROCRACKER REACTOR 2 HEATER, 20 MMBTU/HR, REFINERY FUEL GAS, NATURAL GAS
S933-NO. 33 FURNACE; HYDROCRACKER REACTOR 3 HEATER, 20 MMBTU/HR, REFINERY FUEL GAS, NATURAL GAS

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
H2S (S917)	40 CFR 60 Subpart J 60.104(a)(1) 60.105(e)(4)(ii)	Y		160 ppmv, dry, 3 hour rolling average	40 CFR 60.105(a)(4)	C	H2S analyzer on fuel gas
H2S (all except S917)	BAAQMD Condition 23562, Part 1 40 CFR 60 Subpart J 60.104(a)(1) 60.105(e)(4)(ii)	Y		160 ppmv, dry, 3 hour rolling average	BAAQMD Condition 23562, Part 3 40 CFR 60.105(a)(4)	C	H2S analyzer on fuel gas
TRS S917	BAAQMD condition 21186 part 3	Y		300 ppmvd TRS in 100 # fuel gas	BAAQMD condition 21186 Part 7	P/E	Sample and analysis

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - AA
Applicable Limits and Compliance Monitoring Requirements
S917-NO. 17 FURNACE; NO. 1 HDS UNIT PREFRACTIONATOR REBOILER, 18 MMBTU/HR, REFINERY FUEL GAS
S924-NO. 24 FURNACE; COKER ANTI-COOKING STEAM SUPERHEATER, 16 MMBTU/HR, REFINERY FUEL GAS, NATURAL GAS
S928-NO. 28 FURNACE; HDN REACTOR A HEATER, 20 MMBTU/HR, RFGAS, NATURAL GAS
S929-NO. 29 FURNACE; HDN REACTOR B HEATER, 20 MMBTU/HR, REFINERY FUEL GAS, NATURAL GAS
S930-NO. 30 FURNACE; HDN REACTOR C HEATER, 20 MMBTU/HR, REFINERY FUEL GAS, NATURAL GAS
S931-NO. 31 FURNACE; HYDROCRACKER REACTOR 1 HEATER, 20 MMBTU/HR, REFINERY FUEL GAS, NATURAL GAS
S932-NO. 32 FURNACE; HYDROCRACKER REACTOR 2 HEATER, 20 MMBTU/HR, REFINERY FUEL GAS, NATURAL GAS
S933-NO. 33 FURNACE; HYDROCRACKER REACTOR 3 HEATER, 20 MMBTU/HR, REFINERY FUEL GAS, NATURAL GAS

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
TRS S917	BAAQMD condition 21186 part 4	Y		Annual average 281 ppmvd TRS in 100# fuel gas	BAAQMD condition 21186 Part 7	P/E	Sample and analysis

Table VII - AB
Applicable Limits and Compliance Monitoring Requirements
S903-COKER NO. 5 BOILERHOUSE, CAPACITY: 740 MMBTU/HR, REFINERY FUEL GAS, COKE, FUEL OIL

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
NOx		Y		CEM for NOx, O2, or CO2 only if >250 MMBTU/hr	BAAQMD 1-520.1	C	CEM

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - AB
Applicable Limits and Compliance Monitoring Requirements
S903-COKER NO. 5 BOILERHOUSE, CAPACITY: 740 MMBTU/HR, REFINERY FUEL GAS, COKE, FUEL OIL

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 9-10-304	Y		CO Boiler emissions: 150 ppm (dry, 3% O_2) or >50% abatement	BAAQMD 9-10-502	C	CEM
O2		Y		CEM for NOx, O2, or CO2 only if >250 MMBTU/hr	BAAQMD 1-520.1	C	CEM
O2		Y		No limit	BAAQMD 9-10-502	C	CEM
CO	BAAQMD 9-10-305	N		400 ppmv (dry, 3% O_2)	BAAQMD 9-10-502	P/ M	Source Test
Visible Emissions	BAAQMD 6-301	Y		> 20% Opacity for no more than 3 minutes/hour	BAAQMD 1-520.6	C	COM
Opacity	BAAQMD 6-304	Y		During tube cleaning, Ringelmann No. 2 for 3 min/hr and 6 min/billion btu/24 hours	BAAQMD 1-520.1	C	COM
FP	BAAQMD 6-310	Y		30% opacity	BAAQMD Condition #22150, part 2	C	COM
	BAAQMD 6-310.3	Y		0.15 grain/dscf @ 6% O2	BAAQMD Condition # 573, Part 9a, Condition #22150, part 1	C	COM
	BAAQMD 6-310.3	Y		0.15 grain/dscf @ 6% O2	BAAQMD Condition # 573, Part 9a	P/A	Source Test
SO2	BAAQMD 9-1-301	Y		GLC[3] of 0.5 ppm for 3 min. or 0.25 ppm for 60 min. or 0.05 ppm for 24 hours	BAAQMD 9-1-501	C	Area monitoring

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - AB
Applicable Limits and Compliance Monitoring Requirements
S903-COKER NO. 5 BOILERHOUSE, CAPACITY: 740 MMBTU/HR, REFINERY FUEL GAS, COKE, FUEL OIL

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Fuel Flow		Y		No limit	BAAQMD 9-10-502.2	C	Fuel Flowmeter

Table VII - AC
Applicable Limits and Compliance Monitoring Requirements
S908-NO. 8 FURNACE, NO. 3 CRUDE UNIT, 220 MMBTU/HR, REFINERY FUEL GAS, NATURAL GAS
S927-NO. 27 FURNACE, #2 REFORMER HEATING AND REHEATING, 280 MMBTU/HR, REFINERY FUEL GAS, NATURAL GAS
S937-NO. 37 FURNACE, NO. 1 HYDROGEN PLANT, 743 MMBTU/HR, REFINERY FUEL GAS, NATURAL GAS
S971-NO. 53 FURNACE, NO. 3 REFORMER UOP FURNACE, 300MMBTU/HR, REFINERY FUEL GAS, NATURAL GAS

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	BAAQMD 9-10-502	C	CEM
NOx	BAAQMD 9-10-302	N		Interim emissions: 50% of affected units: 0.033 lb NOx/MMBTU	BAAQMD 9-10-502	C	CEM
NOx	BAAQMD 9-10-303	Y		Federal interim emissions: Refinery-wide emissions (excluding CO Boilers): 0.20 lb NOx/MMBTU	BAAQMD 9-10-502	C	CEM

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - AC
Applicable Limits and Compliance Monitoring Requirements
S908-NO. 8 FURNACE, NO. 3 CRUDE UNIT, 220 MMBTU/HR, REFINERY FUEL GAS, NATURAL GAS
S927-NO. 27 FURNACE, #2 REFORMER HEATING AND REHEATING, 280 MMBTU/HR, REFINERY FUEL GAS, NATURAL GAS
S937-NO. 37 FURNACE, NO. 1 HYDROGEN PLANT, 743 MMBTU/HR, REFINERY FUEL GAS, NATURAL GAS
S971-NO. 53 FURNACE, NO. 3 REFORMER UOP FURNACE, 300MMBTU/HR, REFINERY FUEL GAS, NATURAL GAS

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
O2		N		No limit	BAAQMD 9-10-502	C	CEM
CO	BAAQMD 9-10-305	N	12/1/04	400 ppmv (dry, 3% O_2)	BAAQMD 9-10-502 and BAAQMD Condition 18372, part 34	P/twice per year	Source test
FP	BAAQMD 6-310	Y		0.15 grain/dscf		N	
	BAAQMD 6-310.3	Y		0.15 grain/dscf @ 6% O2		N	
H2S (all except S971)	BAAQMD Condition 23562, Part 1 40 CFR 60 Subpart J 60.104(a)(1) 60.105(e)(4)(ii)	Y	12/31/2010 (S908)	160 ppmv, dry, 3 hour rolling average	BAAQMD Condition 23562, Part 3 40 CFR 60.105(a)(4)	C	H2S analyzer on fuel gas

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - AC
Applicable Limits and Compliance Monitoring Requirements
S908-NO. 8 FURNACE, NO. 3 CRUDE UNIT, 220 MMBTU/HR, REFINERY FUEL GAS, NATURAL GAS
S927-NO. 27 FURNACE, #2 REFORMER HEATING AND REHEATING, 280 MMBTU/HR, REFINERY FUEL GAS, NATURAL GAS
S937-NO. 37 FURNACE, NO. 1 HYDROGEN PLANT, 743 MMBTU/HR, REFINERY FUEL GAS, NATURAL GAS
S971-NO. 53 FURNACE, NO. 3 REFORMER UOP FURNACE, 300MMBTU/HR, REFINERY FUEL GAS, NATURAL GAS

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
H2S (S971)	BAAQMD Condition 8077, Part B4A 40 CFR 60 Subpart J 60.104(a)(1) 60.105(e)(4)(ii)	Y		160 ppmv, dry, 3 hour rolling average	BAAQMD Condition 8077, Part B4A 40 CFR 60.105(a)(4)	C	H2S analyzer on fuel gas
Fuel Flow		Y		No limit	BAAQMD 9-10-502.2	C	Fuel Flowmeter

Table VII – AC1
Applicable Limits and Compliance Monitoring Requirements
S950-NO. 50 FURNACE; CRUDE HEATER, 440 MMBTU/HR, REFINERY FUEL GAS, NATURAL GAS

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	BAAQMD 9-10-502	C	CEM

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – AC1
Applicable Limits and Compliance Monitoring Requirements
S950-NO. 50 FURNACE; CRUDE HEATER, 440 MMBTU/HR, REFINERY FUEL GAS, NATURAL GAS

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 9-10-302	Y		Interim emissions: 50% of affected units: 0.033 lb NOx/MMBTU	BAAQMD 9-10-502	C	CEM
NOx	BAAQMD 9-10-303	Y		Federal interim emissions: Refinery-wide emissions (excluding CO Boilers): 0.20 lb NOx/MMBTU	BAAQMD 9-10-502	C	CEM
O2		N		No limit	BAAQMD 9-10-502	C	CEM
CO	BAAQMD 9-10-305	N	12/1/04	400 ppmv (dry, 3% O_2)	BAAQMD 9-10-502 and BAAQMD Condition 18372, part 34	P/twice per year	Source test
FP	BAAQMD 6-310	Y		0.15 grain/dscf		N	
	BAAQMD 6-310.3	Y		0.15 grain/dscf @ 6% O2		N	
Fuel Flow		Y		No limit	BAAQMD 9-10-502.2	C	Fuel Flowmeter
VOC	BAAQMD Cond# 7410, part 3	Y		20 ppm as C1 in stream from S606 and S607 to S950, rolling hourly average	BAAQMD Cond# 7410, part 6	C	Temperature monitoring

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – AC1
Applicable Limits and Compliance Monitoring Requirements
S950-NO. 50 FURNACE; CRUDE HEATER, 440 MMBTU/HR, REFINERY FUEL GAS, NATURAL GAS

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 Condition 23562, Part 1 40 CFR 60 Subpart J 60.104(a)(1) 60.105(e)(4)(ii)	Y		160 ppmv, dry, 3 hour rolling average	BAAQMD Condition 23562, Part 3 40 CFR 60.105(a)(4)	C	H2S analyzer on fuel gas
H2S	BAAQMD Cond# 7410, part 4	Y		1 ppm in stream from S606 and S607 to S950, rolling hourly average	BAAQMD Cond# 7410, part 6	C	Temperature monitoring
Temper-ature	BAAQMD Cond# 7410, part 5	Y		> 1500° F at S950	BAAQMD Cond# 7410, part 6	C	Temperature monitoring

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - AD
Applicable Limits and Compliance Monitoring Requirements
S952-INTERNAL COMBUSTION ENGINE; 9580 CUBIC INCH DISPLACEMENT, 300 HP, NO. 1 GAS PLANT VAPOR COMPRESSOR NO. 4023
S953-INTERNAL COMBUSTION ENGINE; CLARK, 9580 CUBIC INCH DISPLACEMENT, 300 HP, NO. 1 GAS PLANT VAPOR COMPRESSOR NO. 4024, NATURAL GAS FIRED
S954-INTERNAL COMBUSTION ENGINE; CLARK, 9580 CUBIC INCH DISPLACEMENT, 300 HP, NO. 1 GAS PLANT VAPOR COMPRESSOR NO. 4025, NATURAL GAS FIRED

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-301	Y		~~Ringlemann~~Ringelmann 1 for > 3 minutes in any hour or equivalent opacity	none	N	None
FP	BAAQMD 6-310	Y		0.15 grain/dscf	none	N	None
NOx	BAAQMD 9-8-301.1	Y	07/31/05	56 ppmv, dry, at 15% oxygen	BAAQMD Condition 19528 part 7	P/Twice per year	Source Test
CO	BAAQMD 9-8-301.3	Y	07/31/05	2000 pppv, dry, at 15% oxygen	BAAQMD Condition 19528 part 7	P/Twice per year	Source Test

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – AE

Applicable Limits and Compliance Monitoring Requirements
S955-INTERNAL COMBUSTION ENGINE; CLARK, 17200 CUBIC INCH DISPLACEMENT, 880 HP, NO. 4 GAS PLANT COMPRESSOR NO. 4064, NATURAL GAS FIRED
S956-INTERNAL COMBUSTION ENGINE; CLARK, 17200 CUBIC INCH DISPLACEMENT, 800 HP, NO. 4 GAS PLANT COMPRESSOR NO. 4065, NATURAL GAS FIRED
S957-INTERNAL COMBUSTION ENGINE; CLARK, 17200 CUBIC INCH DISPLACEMENT, 880 HP, NO. 4 GAS PLANT COMPRESSOR NO. 4066, NATURAL GAS FIRED
S958-INTERNAL COMBUSTION ENGINE; CLARK, 17200 CUBIC INCH DISPLACEMENT, 800 HP, NO. 4 GAS PLANT COMPRESSOR NO. 4067, NATURAL GAS FIRED
S959-INTERNAL COMBUSTION ENGINE; CLARK, 17200 CUBIC INCH DISPLACEMENT, 880 HP, NO. 4 GAS PLANT COMPRESSOR NO. 4068, NATURAL GAS FIRED
S960-INTERNAL COMBUSTION ENGINE; CLARK, 12900 CUBIC INCH DISPLACEMENT, 660 HP, NO. 4 GAS PLANT COMPRESSOR NO. 4096, NATURAL GAS FIRED

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-301	Y		~~Ringlemann~~Ringelmann 1 for > 3 minutes in any hour or equivalent opacity	none	N	None
FP	BAAQMD 6-310	Y		0.15 grain/dscf	none	N	None
NOx	BAAQMD 9-8-301.2	Y	07/31/05	140 ppmv, dry, at 15% oxygen	BAAQMD Condition 19528 part 7	P/Twice per year	Source Test
CO	BAAQMD 9-8-301.3	Y	07/31/05	2000 ppmv, dry, at 15% oxygen	BAAQMD Condition 19528 part 7	P/Twice per year	Source Test

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – AF
Applicable Limits and Compliance Monitoring Requirements
S973–NO. 56 FURNACE; NO. 3HDS RECYCLE GAS HEATER, 55 MMBTU/HR, REFINERY FUEL GAS, NATURAL GAS
S974–NO. 55 FURNACE; NO. 3 HDS FRACTIONATOR FEED HEATER, 110 MMBTU/HR, REFINERY FUEL GAS, NATURAL GAS

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
NOx	BAAQMD Condition 4357 Part 7A	Y		40 ppmv NOx, dry, at 3% oxygen	BAAQMD Condition 4357 Part 4B	C	CEM
NOx	BAAQMD 9-10-301	N		Refinery-wide emissions (excluding CO Boilers): 0.033 lb NOx/ MMBTU	BAAQMD 9-10-502	C	CEM
NOx	BAAQMD 9-10-303	Y		Federal interim emissions: Refinery-wide emissions (excluding CO Boilers): 0.20 lb NOx/MMBTU	BAAQMD 9-10-502	C	CEM
O2		N		No limit	BAAQMD 9-10-502	C	CEM
CO	BAAQMD 9-10-305	N	12/1/04	400 ppmv (dry, 3% O_2)	BAAQMD 9-10-502 and BAAQMD Condition 18372, part 34	P/twice per year	Source test
FP	BAAQMD 6-310	Y		0.15 grain/dscf		N	
	BAAQMD 6-310.3	Y		0.15 grain/dscf @ 6% O2		N	

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – AF
Applicable Limits and Compliance Monitoring Requirements
S973–NO. 56 FURNACE; NO. 3HDS RECYCLE GAS HEATER, 55 MMBTU/HR, REFINERY FUEL GAS, NATURAL GAS
S974–NO. 55 FURNACE; NO. 3 HDS FRACTIONATOR FEED HEATER, 110 MMBTU/HR, REFINERY FUEL GAS, NATURAL GAS

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 Condition 8077, Part B4A 40 CFR 60 Subpart J 60.104(a)(1) 60.105(e)(4)(ii)	Y		160 ppmv, dry, 3 hour rolling average	BAAQMD Condition 8077, Part B4A 40 CFR 60.105(a)(4)	C	H2S analyzer on fuel gas
Fuel Flow		Y		No limit	BAAQMD 9-10-502.2	C	Fuel Flowmeter

Table VII – AG
Applicable Limits and Compliance Monitoring Requirements
S991–NO. 57 FURNACE; FCCU PREHEAT FURNACE, 43 MMBTU/HR, REFINERY FUEL GAS, NATURAL GAS

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
NOx	BAAQMD Condition 4357 Part 7A	Y		NOx limited to 40 ppmvd, at 3% oxygen	BAAQMD Condition 4357 Part 4B	C	CEM
NOx	BAAQMD 9-10-112	Y		Low Fuel Usage	BAAQMD 9-10-502.2	C	Record keeping
NOx	BAAQMD 9-10-306	Y		Small Unit Requirments	BAAQMD 9-10-502.2	C	Record keeping

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – AG
Applicable Limits and Compliance Monitoring Requirements
S991–NO. 57 FURNACE; FCCU PREHEAT FURNACE, 43 MMBTU/HR, REFINERY FUEL GAS, NATURAL GAS

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 Condition 8077, Part B4A 40 CFR 60 Subpart J 60.104(a)(1) 60.105(e)(4)(ii)	Y		160 ppmv, dry, 3 hour rolling average	BAAQMD Condition 8077, Part B4A 40 CFR 60.105(a)(4)	C	H2S analyzer on fuel gas

Table VII - A
Applicable Limits and Compliance Monitoring Requirements
S1026–DNF AIR STRIPPER

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	8-8-307.2	Y		70% by weight collection and destructiion	8-8-503	P/initially and then at various intervals thereafter	Records of inspections and repairs
NMHC	BAAQMD Cond# 4587, part 5A	Y		< 10 ppm NMHC as C1 on rolling one hour basis if abated by A39	BAAQMD Cond# 4587, part 6	P/D	HC monitoring and recording
	BAAQMD Cond# 4587, part 5B	Y		< 20 ppm NMHC as C1 on rolling one hour basis if abated by A38	BAAQMD Cond# 4587, part 6	P/D	HC monitoring and recording

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - A
Applicable Limits and Compliance Monitoring Requirements
S1026–DNF AIR STRIPPER

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	BAAQMD Cond# 4587, part 9			> 1350° F. at A39 when abating S1026	BAAQMD Cond# 4587, part 10	C	Temperature monitoring
H2S	BAAQMD Cond# 4587, part 6	Y		< 1 ppm H2S on rolling one hour basis	BAAQMD Cond# 4587, part 8	P/D	H2S monitoring and recording

Table VII – AI
Applicable Limits and Compliance Monitoring Requirements
S1106-NO. 72 FURNACE, NO. 4 HDS FEED REACTOR HEATER, 30 MMBTU/HR, NATURAL GAS

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
NOx	BAAQMD Condition 19199 part H4	Y		10 ppmv (dry, 3% O_2)	BAAQMD Condition 19199 part H11	C	CEM
O2	No limit	Y		No limit	BAAQMD Condition 19199 part H11	C	CEM
CO	BAAQMD Condition 19199 part H5	Y		50 ppmv (dry, 3% O_2)	BAAQMD Condition 19199 part H12	P/Once per year	Source test
FP	BAAQMD 6-310	Y		0.15 grain/dscf		N	
	BAAQMD 6-310.3	Y		0.15 grain/dscf @ 6% O2		N	

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – AI
Applicable Limits and Compliance Monitoring Requirements
S1106-NO. 72 FURNACE, NO. 4 HDS FEED REACTOR HEATER, 30 MMBTU/HR, NATURAL GAS

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
H2S	40 CFR 60 Subpart J 60.104(a)(1) 60.105(e)(4)(ii)	Y		160 ppmv, dry, 3 hour rolling average	40 CFR 60.105(a)(4)	C	H2S analyzer on fuel gas
Fuel Flow	BAAQMD Condition 19199 part H3	Y		225.257 MM SCF/yr	BAAQMD Condition 19199 part H2	C	Fuel Flowmeter

Table VII – AJ
Applicable Limits and Compliance Monitoring Requirements
S1470-NO. 71 FURNACE, NO. 3 CRUDE UNIT, 30 MMBTU/HR, REFINERY FUEL GAS, NATURAL GAS

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
NOx	BAAQMD Condition 18539 part 10	Y		10 ppmv (dry, 3% O_2) three hour average	BAAQMD Condition 18539 part 8	C	CEM
O2	No limit	Y		No limit	BAAQMD Condition 18539 part 8	C	CEM
CO	BAAQMD Condition 18539 part 11	Y		50 ppmv (dry, 3% O_2)	BAAQMD Condition 18539 part 17A	P/Once per year	Source test

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – AJ
Applicable Limits and Compliance Monitoring Requirements
S1470-NO. 71 FURNACE, NO. 3 CRUDE UNIT, 30 MMBTU/HR, REFINERY FUEL GAS, NATURAL GAS

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
SO2	BAAQMD Condition 18539 part 6	Y		TRS content of fuel gas limited to 35 ppmv, based on a rolling 365 day average	BAAQMD Condition 18539 part 4	C	Fuel gas TRS monitor
SO2	BAAQMD Condition 18539 part 6	Y		TRS content of fuel gas limited to 100 ppmv, based on a rolling 24 hour average	BAAQMD Condition 18539 part 5	C	Fuel gas TRS monitor
H2S	40 CFR 60 Subpart J 60.104(a)(1) 60.105(e)(4)(ii)	Y		160 ppmv, dry, 3 hour rolling average	40 CFR 60.105(a)(4)	C	H2S analyzer on fuel gas
NH3	BAAQMD Condition 18539 part 6	N		20 ppmv, (dry, 3% O_2)	N	N	N
FP	BAAQMD 6-310	Y		0.15 grain/dscf	N	N	N
	BAAQMD 6-310.3	Y		0.15 grain/dscf @ 6% O2	N	N	N
Fuel Flow	BAAQMD Condition 18539, part 9	Y		262,800	BAAQMD Condition 18539, part 3b, part 18	C	Fuel Flowmeter

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – AJ1
Applicable Limits and Compliance Monitoring Requirements
S925 NO. 25 FURNACE, S938 NO. 38 FURNACE, S939 NO. 39 FURNACE

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 Condition 23562, Part 1 40 CFR 60 Subpart J 60.104(a)(1) 60.105(e)(4)(ii)	Y		160 ppmv, dry, 3 hour rolling average	BAAQMD Condition 23562, Part 3 40 CFR 60.105(a)(4)	C	H2S analyzer on fuel gas
FP	BAAQMD 6-310	Y		0.15 grain/dscf	N	N	N
	BAAQMD 6-310.3	Y		0.15 grain/dscf @ 6% O2	N	N	N

Table VII - AK
Applicable Limits and Compliance Monitoring Requirements
S1401-CLAUS 3-STAGE SULFUR RECOVERY UNIT

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
SO2/H2S	BAAQMD 9-1-301	Y		ground level SO2 concentrations (0.5 ppm for 3 min; 0.25 ppm for 60 min; 0.05 ppm for 24 hours)	at the request of the District, 9-1-501 requires compliance with BAAQMD 1-510	C	SO2 CEM

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - AK
Applicable Limits and Compliance Monitoring Requirements
S1401-CLAUS 3-STAGE SULFUR RECOVERY UNIT

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
SO2/H2S	BAAQMD 9-1-307	Y		SO2 emission limits for sulfur recovery plants which emit 100 lb/day SO2 or more (250 ppmv, dry, at 0% oxygen)	1-520.4 (9-1-502 requires compliance with BAAQMD 1-520 and 522)	C	SO2 CEM
SO2	BAAQMD Condition # 267 Part 5 40 CFR 60.104 (a)(2)(i) 60.105 (e)(4)(i) MACT Subpart UUU 63.1568 (a)(1)	Y		250 ppmv, dry, at 0% excess air, 12 hour average	40 CFR 60.105(a)(5) MACT Subpart UUU 63.1568 (b)(1) 63.1568 (c)(1)	C	SO2 CEM
O2		Y		No Limit	40 CFR 60.105(a)(5) MACT Subpart UUU 63.1568 (b)(1) 63.1568(c)(1)	C	O2 CEM
SO2	BAAQMD Regulation 9-1-307	Y		250 ppmv, dry, at 0% oxygen	Regulation 1-520.4	C	CEM

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - AK
Applicable Limits and Compliance Monitoring Requirements
S1401-CLAUS 3-STAGE SULFUR RECOVERY UNIT

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-301	Y	04/01/04	Ringelmann No. 1	BAAQMD Condition 21053 Part 2	P/M	Opacity Test
FP	BAAQMD 6-305	Y		prohibits visible particles sufficient to cause annoyance	none	N	None
FP	BAAQMD 6-310	Y		0.15 grain/dscf	none	N	None
PM	BAAQMD 6-310	Y		0.15 grain/dscf	BAAQMD 6-310	P/A	Source Test
FP	BAAQMD 6-311	Y		$4.10\ P^{0.67}$ lb/hr particulate, where P is process weight rate in ton/hr	none	N	None
SO3, H2SO4	BAAQMD 6-330	Y	04/01/04	0.08 grain/dscf exhaust concentration of SO3 and H2SO4, expressed as 100% H2SO4	BAAQMD Condition 19528 part 9	P/A	Source Test

Table VII – AL
Applicable Limits and Compliance Monitoring Requirements

S1404-SULFUR STORAGE TANK

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-301	Y	04/01/04	Ringelmann No. 1	BAAQMD Condition 21053 Part 2	P/M	Opacity Test
PM	BAAQMD 6-305	Y		prohibition of nuisance fallout	none	N	N/A
FP	BAAQMD 6-310	Y		0.15 grain/dscf	none	N	N/A

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – AL
Applicable Limits and Compliance Monitoring Requirements

S1404-SULFUR STORAGE TANK

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
FP	BAAQMD 6-311	Y		4.10 $P^{0.67}$ lb/hr particulate, where P is process weight rate in ton/hr	none	N	N/A
PM	BAAQMD Condition 8535 Part 1			0.01 grains/dscf	BAAQMD Condition 8535 Part 3	P/D	Pressure Drop Monitor on A-1422

Table VII – AM
Applicable Limits and Compliance Monitoring Requirements

S1405-SULFUR COLLECTION PIT

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-301	Y	04/01/04	Ringelmann No. 1	~~BAAQMD Condition # 19528, Part 15~~None	~~P/Monthly~~N	~~Visual Inspection~~N/A
PM	BAAQMD 6-305	Y	04/01/04	prohibition of nuisance fallout	~~BAAQMD Condition # 19528, Part 15~~None	~~P/Monthly~~N	~~Visual Inspection~~N/A
FP	BAAQMD 6-310	Y	04/01/04	0.15 grain/dscf	~~BAAQMD Condition # 19528, Part 15~~None	~~P/Monthly~~N	~~Visual Inspection~~N/A

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – AM
Applicable Limits and Compliance Monitoring Requirements

S1405-SULFUR COLLECTION PIT

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
FP	BAAQMD 6-311	Y	04/01/04	4.10 $P^{0.67}$ lb/hr particulate, where P is process weight rate in ton/hr	~~BAAQMD Condition # 19528, Part 15~~None	~~P/Monthly~~N	~~Visual Inspection~~N/A

Table VII-AN
S1411-SULFURIC ACID MANUFACTURING PLANT

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
SO2	SIP 9-1-308.2	Y		gaseous emissions from any source at an H2SO4 plant shall not exceed 300 ppmv @ 12% oxygen	SIP 9-1-502	C	CEM
SO2	BAAQMD Regulation 9-1-309	Y		gaseous emissions from any source at an H2SO4 plant shall not exceed 300 ppm @ 12% oxygen	BAAQMD Regulation 9-1-502	C	CEM
Acid mist	BAAQMD Regulation 12-6-301	N		gaseous emissions from an H2SO4 production unit shall not exceed 0.15 g/kg (0.3 lb/ton) of acid produced	none	N	N/A
SO3 and H2SO4	BAAQMD 6-320	Y		0.04 grain/dscf	none	N	N/A

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII-AN
S1411-SULFURIC ACID MANUFACTURING PLANT

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-301	Y	04/01/04	Ringelmann No. 1	BAAQMD Condition 21053 Part 2	P/M	Opacity Test
FP	BAAQMD 6-310	Y		0.15 grain/dscf	none	N	N/A
	BAAQMD 6-311	Y		36.5 lb/hr	none	N	N/A
	SIP 6-301	Y	04/01/04	Ringelmann No. 1	BAAQMD Condition 21053 Part 2	P/M	Opacity Test

Table VII - AO
Applicable Limits and Compliance Monitoring Requirements
S1412- SULFURIC ACID PLANT START UP HEATER, 7.3 MMBTU/HR, NATURAL GAS, REFINERY FUEL GAS

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
CO	BAAQMD 9-10-305	N		400 ppmv (dry, 3% O_2)	BAAQMD 9-10-502	P/Once every three years	Source Test
Operating Hours	BAAQMD 9-10-306.2	Y		Small Unit Exemption: Tune every 12 months		P/A	Tune-up per Reg. 9-10-605

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - AO
Applicable Limits and Compliance Monitoring Requirements
S1412- SULFURIC ACID PLANT START UP HEATER, 7.3 MMBTU/HR, NATURAL GAS, REFINERY FUEL GAS

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 Condition 23562, Part 1 40 CFR 60 Subpart J 60.104(a)(1) 60.105(e)(4)(ii)	Y		160 ppmv, dry, 3 hour rolling average	BAAQMD Condition 23562, Part 3 40 CFR 60.105(a)(4)	C	H2S analyzer on fuel gas

Table VII-AP
S1413-#1 OLEUM STORAGE TANK
S1414-#2 OLEUM STORAGE TANK

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	6-301	Y		Ringelmann No. 1		N	
H2SO4 and SO3	12-10-401	N		Combined H2SO4 and SO3 > 0.01 grams/m^3 or 2 ppm as H2SO4, over any 10 min		N	

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII-AQ
S1415–LOADING DOCK (SULFURIC ACID)
S1416–#1 SPENT ACID STORAGE TANK
S1417–#2 SPENT ACID STORAGE TANK

Pollutant	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	6-301	Y		Ringelmann No. 1	none	N	N/A
FP	BAAQMD 6-305	Y		prohibits visible particles sufficient to cause annoyance	none	N	N/A
VOC	BAAQMD 8-2-301	Y	10/31/06	miscellaneous operations shall not emit more than 15 lb/day and containing a concentration of more than 300 ppm total carbon on a dry basis	BAAQMD Condition 19528 part 10	P/every 5 years	BAAQMD source test method or EPA Method 25 or 25A

Table VII - AR
Applicable Limits and Compliance Monitoring Requirements
S1421–AMMONIA RECOVERY UNIT FEED TANK, TANK 757
S1422-AMMONIA RECOVERY UNIT FEED TANK, TANK 782

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	BAAQMD Condition # 13282, Part 1	Y		2,490,000 BBL per 12 month period	BAAQMD Condition #13282, Part 5a and 5b	P/Monthly	Record keeping

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – AS
Cluster 01a
Applicable Limits and Compliance Monitoring Requirements
TANKS SUBJECT ONLY TO RECORDKEEPING
S3 – Tank A-003

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
BAAQMD 8-5	**Organic Compounds - STORAGE OF ORGANIC LIQUIDS Exempt**						
VOC	Regulation 8-5-117	Y	04/01/04	true vapor pressure less than or equal to 25.8 mm Hg (0.5 psia)	BAAQMD Condition #19528, Part 12 & Part 12.1	Initial vapor pressure determina-tion & Periodic/ upon initial change of service	Consult Table I in Reg 8-5, if not listed, use District Lab Method 28
NSPS Kb	**Volatile Organic Liquid Storage Vessels MONITORING FOR RECORDKEEPING ONLY**						
VOC	60.116b (c)	Y		True vapor pressure determination	60.116b (e)	periodic initially and upon change of service	calculate

Table VII – AT
Cluster 01a
Applicable Limits and Compliance Monitoring Requirements
TANKS SUBJECT ONLY TO RECORDKEEPING
S658 – Tank A-847

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
BAAQMD 8-5	**Organic Compounds - STORAGE OF ORGANIC LIQUIDS Exempt**						
VOC	Regulation 8-5-117	Y	04/01/04	true vapor pressure less than or equal to 25.8 mm Hg (0.5 psia)	BAAQMD Condition #19528, Part 12 & Part 12.1	Initial vapor pressure determina-tion & Periodic/ upon initial change of service	Consult Table I in Reg 8-5, if not listed, use District Lab Method 28

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – AT
Cluster 01a
Applicable Limits and Compliance Monitoring Requirements
TANKS SUBJECT ONLY TO RECORDKEEPING
S658 – Tank A-847

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
NSPS Kb	**Volatile Organic Liquid Storage Vessels MONITORING FOR RECORDKEEPING ONLY**						

Table VII – AU
Cluster 01a
Applicable Limits and Compliance Monitoring Requirements
TANKS SUBJECT ONLY TO RECORDKEEPING
S28 – Tank A-028, S44 – Tank A-044, S258 – Tank A-258, S270 – Tank A-270, S272 – Tank A-272, S274 – Tank A-274, S327 – Tank A-327, S377 – Tank A-377, S403 – Tank A-403, S405 – Tank A-405, S430 – Tank A-430, S622 – Tank A-622, S656 – Tank A-846

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
BAAQMD 8-5	**Organic Compounds - STORAGE OF ORGANIC LIQUIDS Exempt**						
VOC	Regulation 8-5-117	Y	04/01/04	true vapor pressure less than or equal to 25.8 mm Hg (0.5 psia)	BAAQMD Condition #19528, Part 12 & Part 12.1	Initial vapor pressure determina-tion & Periodic/ upon initial change of service	Consult Table I in Reg 8-5, if not listed, use District Lab Method 28
NSPS Kb	**Volatile Organic Liquid Storage Vessels MONITORING FOR RECORDKEEPING ONLY**						
VOC	60.116b (c)	Y		True vapor pressure determination	60.116b (e)	periodic initially and upon change of service	calculate

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – AV
Cluster 01a
Applicable Limits and Compliance Monitoring Requirements
TANKS SUBJECT ONLY TO RECORDKEEPING
S650 – Tank A-650

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
BAAQMD 8-5	**Organic Compounds - STORAGE OF ORGANIC LIQUIDS Exempt**						
VOC	Regulation 8-5-117	Y	04/01/04	true vapor pressure less than or equal to 25.8 mm Hg (0.5 psia)	BAAQMD Condition #19528, Part 12 & Part 12.1	Initial vapor pressure determina-tion & Periodic/ upon initial change of service	Consult Table I in Reg 8-5, if not listed, use District Lab Method 28
NSPS Kb	**Volatile Organic Liquid Storage Vessels MONITORING FOR RECORDKEEPING ONLY**						
VOC	60.116b (c)	Y		True vapor pressure determination	60.116b (e)	periodic initially and upon change of service	calculate

Table VII – AW
Cluster 01b
Applicable Limits and Compliance Monitoring Requirements
TANKS SUBJECT ONLY TO RECORDKEEPING
S1 – Tank A-001, S990 – Tank 749

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
BAAQMD 8-5	**Organic Compounds - STORAGE OF ORGANIC LIQUIDS Exempt**						
VOC	Regulation 8-5-117	Y	04/01/04	true vapor pressure less than or equal to 25.8 mm Hg (0.5 psia)	BAAQMD Condition #19528, Part 12 & Part 12.1	Initial vapor pressure determina-tion & Periodic/ upon initial change of service	Consult Table I in Reg 8-5, if not listed, use District Lab Method 28

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – AX
Cluster 01b
Applicable Limits and Compliance Monitoring Requirements
TANKS SUBJECT ONLY TO RECORDKEEPING
S529 – Tank A-529, S530 – Tank A-530

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
BAAQMD 8-5	**Organic Compounds - STORAGE OF ORGANIC LIQUIDS Exempt**						
VOC	Regulation 8-5-117	Y	04/01/04	true vapor pressure less than or equal to 25.8 mm Hg (0.5 psia)	BAAQMD Condition #19528, Part 12 & Part 12.1	Periodic/ upon initial change of service Initial vapor pressure determina-tion &	Consult Table I in Reg 8-5, if not listed, use District Lab Method 28

Table VII – AY
Cluster 01b
Applicable Limits and Compliance Monitoring Requirements
TANKS SUBJECT ONLY TO RECORDKEEPING
S651 – Tank A-651

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
BAAQMD 8-5	**Organic Compounds - STORAGE OF ORGANIC LIQUIDS Exempt**						
VOC	Regulation 8-5-117	Y	04/01/04	true vapor pressure less than or equal to 25.8 mm Hg (0.5 psia)	BAAQMD Condition #19528, Part 12 & Part 12.1	Initial vapor pressure determina-tion & Periodic/ upon initial change of service	Consult Table I in Reg 8-5, if not listed, use District Lab Method 28

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – AZ
Cluster 01b
Applicable Limits and Compliance Monitoring Requirements
TANKS SUBJECT ONLY TO RECORDKEEPING
S2 – Tank A-002, S9 – Tank A-009, S10 – Tank A-010, S11 – Tank A-011, S15 – Tank A-015, S36 – Tank A-036, S45 – Tank A-045, S70 – Tank A-070, S71 – Tank A-071, S209 – Tank A-209, S220 – Tank A-220, S221 - Tank A-221, S222 – Tank A-222, S226 – Tank A-226, S228 – Tank A-228, S229 - Tank A-229, S230 – Tank A-230, S232 – Tank A-232, S233 – Tank A-233, S234 - Tank A-234, S235 – Tank A-235, S236 – Tank A-236, S237 – Tank A-237, S238 - Tank A-238, S242 – Tank A-242, S243 – Tank A-243, S244 – Tank A-244, S245 – Tank A-245, S246 – Tank A-246, S247 – Tank A-247, S269 - Tank A-269, S271 – Tank A-271, S273 – Tank A-273, S325 – Tank A-325, S368 - Tank A-368, S369 – Tank A-369, S374 – Tank A-374, S378 – Tank A-378, S406 – Tank A-406, S429 – Tank A-429, S453 – Tank A-453, S489 - Tank A-489, S494 – Tank A-494, S495 – Tank A-495, S496 – Tank A-496, S503 - Tank A-503, S517 – Tank A-517, S574 – Tank A-574, S585 – Tank A-585, S586 – Tank A-586, S587 – Tank A-587, S588 – Tank A-588, S602 - Tank A-602, S604 – Tank A-604, S613 – Tank A-613, S620 – Tank A-620, S621 - Tank A-621, S629 – Tank A-629, S654 – Tank A-654, S672 – Tank A-672, S700 - Tank A-700, S771 – Tank A-713, S1024 – Tank A-717, S45 (~~12759~~B2759) – Tank B-045, S46 (~~12759~~B2759) – Tank B-046

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
BAAQMD 8-5	**Organic Compounds - STORAGE OF ORGANIC LIQUIDS Exempt**						
VOC	Regulation 8-5-117	Y	04/01/04	true vapor pressure less than or equal to 25.8 mm Hg (0.5 psia)	BAAQMD Condition #19528, Part 12 & Part 12.1	Initial vapor pressure determina-tion & Periodic/ upon initial change of service	Consult Table I in Reg 8-5, if not listed, use District Lab Method 28

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – AZ-1
Applicable Limits and Compliance Monitoring Requirements
S700 - Tank A-700

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	BAAQMD 8-8-305.2	Y		Vapor recovery system with combined collection and destruction efficiency of at least 70% by weight	BAAQMD Condition #21053 part 6	P/ every 5 years prior to the Title V Permit Renewal	Source Test
VOC	40 CFR 60.692-3(a)	Y		Fixed roof closure standards	40 CFR 60.692-3(a)(4)	periodic initially and semi-annually	Visual inspection
VOC		Y		Problems identified during 40 CFR 60.692-3(a) inspections that could result in VOC emissions	40 CFR 60.697(c)	periodic when problem is identified	Records
VOC		Y		Problems identified during 40 CFR 60.692-3(a) inspections that could result in VOC emissions	40 CFR 60.698(c)	periodic initially and semi-annually	Report

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – BA
Cluster 01b
Applicable Limits and Compliance Monitoring Requirements
TANKS SUBJECT ONLY TO RECORDKEEPING
S57 – Tank A-057

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
BAAQMD 8-5	**Organic Compounds - STORAGE OF ORGANIC LIQUIDS Exempt**						
VOC	Regulation 8-5-117	Y	04/01/04	true vapor pressure less than or equal to 25.8 mm Hg (0.5 psia)	BAAQMD Condition #19528, Part 12 & Part 12.1	Initial vapor pressure determina-tion & Periodic/ upon initial change of service	Consult Table I in Reg 8-5, if not listed, use District Lab Method 28

Table VII – BB
Cluster 01b – Out-Of-Service
Applicable Limits and Compliance Monitoring Requirements
TANKS SUBJECT ONLY TO RECORDKEEPING
S655 – Tank A-655, S657 – Tank A-657

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
BAAQMD 8-5	**Organic Compounds - STORAGE OF ORGANIC LIQUIDS Exempt**						
VOC	Regulation 8-5-117	Y	04/01/04	true vapor pressure less than or equal to 25.8 mm Hg (0.5 psia)	BAAQMD Condition #19528, Part 12 & Part 12.1	Initial vapor pressure determina-tion & Periodic/ upon initial change of service	Consult Table I, if not listed, use District Lab Method 28

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – BC
Cluster 01b – Out-Of-Service
Applicable Limits and Compliance Monitoring Requirements
TANKS SUBJECT ONLY TO RECORDKEEPING
S14 – Tank A-014, S27 – Tank A-027, S29 – Tank A-029,
S30 – Tank A-030, S56 – Tank A-056,
S69 – Tank A-069S131 – Tank A-131,
S152 – Tank A-152, S153 – Tank A-153,
S435 – Tank A-4S448 – Tank A-448, S452 – Tank A-452, S456 – Tank A-456,
S493 – Tank A-493, S504 – Tank A-504,
S662 – Tank A-662, S663 – Tank A-663,
S741 – Tank, S3 (~~12759~~B2759) – Tank B-003, S5 (~~12759~~B2759) – Tank B-005,
S6 (~~12759~~B2759) – Tank B-006, S41 (~~12759~~B2759) – Tank B-041, S42 (~~12759~~B2759) – Tank B-042,
S43 (~~12759~~B2759) – Tank B-043, S47 (~~12759~~B2759) – Tank B-047, S48 (~~12759~~B2759) – Tank B-048,
S51 (~~12759~~B2759) – Tank B-051

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
BAAQMD 8-5	**Organic Compounds - STORAGE OF ORGANIC LIQUIDS Exempt**						
VOC	Regulation 8-5-117	Y	04/01/04	true vapor pressure less than or equal to 25.8 mm Hg (0.5 psia)	BAAQMD Condition #19528, Part 12 & Part 12.1	Initial vapor pressure determina-tion & Periodic/ upon initial change of service	Consult Table I, if not listed, use District Lab Method 28

Table VII – BD
Cluster 02
Applicable Limits and Compliance Monitoring Requirements
TANKS SUBJECT TO SUBMERGED FILL
S739 – Tank, S746 – Tank

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – BD
Cluster 02
Applicable Limits and Compliance Monitoring Requirements
TANKS SUBJECT TO SUBMERGED FILL
S739 – Tank, S746 – Tank

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Throughput	BAAQMD Condition # 19528, Part 1	Y		Total grandfathered limits	BAAQMD Condition # 19528, Part 1	periodic and upon change of service	records
VOC	MACT 63.654(i)	Y		Applicable Records	63.654(i)(1) and 63.123(a)	periodic and upon change of service	records

Table VII – BDa
Cluster 03
Applicable Limits and Compliance Monitoring Requirements
PRESSURIZED TANKS: CLOSED VENT SYSTEMS & CONTROL DEVICES
S1473 – Pressurized Storage Tank abated by vapor recovery

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
BAAQMD 8-5	**Organic Compounds - STORAGE OF ORGANIC LIQUIDS LIMITS AND MONITORING FOR Pressure tanks, CVS & CONTROL DEVICES**						
VOC	BAAQMD 8-5-306	Y		Control device standards; includes 95% efficiency requirement	BAAQMD 8-5-603.1	P/A	MOP Volume IV ST-4
VOC	BAAQMD 8-5-328.1	Y		Tank cleaning control by liquid balanceing in which the resulting organic liquid has a TVP is less than 0.5 psia	BAAQMD 8-5-501	P/E	Records
VOC	BAAQMD 8-5-328.1	Y		Tank cleaning control device standards; includes 90% efficiency requirement	BAAQMD 8-5-502 and 8-5-603.2	P/A	Annual source test using MOP, Vol. IV, ST-7

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – BDa
Cluster 03
Applicable Limits and Compliance Monitoring Requirements
PRESSURIZED TANKS: CLOSED VENT SYSTEMS & CONTROL DEVICES
S1473 – Pressurized Storage Tank abated by vapor recovery

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 8-5-328.1.2	Y		Organic concentration in tank <10,000 ppm as methane after cleaning	BAAQMD 8-5-503	periodic each time emptied & degassed	portable hydrocarbon detector
VOC	BAAQMD 8-5-301	Y		Record of liquids stored and true vapor pressure	BAAQMD 8-5-501.1	periodic initially and upon change of service	records
Throughput	BAAQMD Condition 19197, Part 2	Y		3000 gallons per 12 months	BAAQMD Condition 19197, Part 7	P, M rolling 12-month	records

Table VII – BE
Cluster 05
Applicable Limits and Compliance Monitoring Requirements
CLOSED VENT SYSTEMS & CONTROL DEVICES
S795 – Tank A-307

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
BAAQMD 8-5	**Organic Compounds - STORAGE OF ORGANIC LIQUIDS LIMITS AND MONITORING FOR CVS & CONTROL DEVICES**						
VOC	BAAQMD 8-5-306	Y		Control device standards; includes 95% efficiency requirement	BAAQMD 8-5-603.1	P/A	MOP Volume IV ST-4
VOC	BAAQMD 8-5-328.1	Y		Tank cleaning control by liquid balanceing in which the resulting organic liquid has a TVP is less than 0.5 psia	BAAQMD 8-5-501	P/E	Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – BE
Cluster 05
Applicable Limits and Compliance Monitoring Requirements
CLOSED VENT SYSTEMS & CONTROL DEVICES
S795 – Tank A-307

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 8-5-328.1	Y		Tank cleaning control device standards; includes 90% efficiency requirement	BAAQMD 8-5-502 and 8-5-603.2	P/A	Annual source test using MOP, Vol. IV, ST-7
VOC	BAAQMD 8-5-328.1.2	Y		Organic concentration in tank <10,000 ppm as methane after cleaning	BAAQMD 8-5-503	periodic each time emptied & degassed	portable hydrocarbon detector
VOC	BAAQMD 8-5-301	Y		Record of liquids stored and true vapor pressure	BAAQMD 8-5-501.1	periodic initially and upon change of service	records
Throughput	BAAQMD Condition 5711, Part 1	Y		11,000 gallons per 12 months	BAAQMD Condition 5711, Part 4	Daily, summarized monthly	records

Table VII – BF
Cluster 11
Applicable Limits and Compliance Monitoring Requirements
EXTERNAL FLOATING-ROOF TANKS
S694 – Tank A-694

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
BAAQMD 8-5	**Organic Compounds - STORAGE OF ORGANIC LIQUIDS LIMITS AND MONITORING FOR FLOATING-ROOF TANKS**						
VOC	BAAQMD 8-5-301	Y		Record of liquids stored and true vapor pressure	BAAQMD 8-5-501.1	periodic initially and upon change of service	Records
VOC	BAAQMD 8-5-320	Y		Floating roof fitting closure standards; includes gasketed covers	BAAQMD 8-5-401.2	P/Semi Annually	Measurement and visual inspection

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – BF
Cluster 11
Applicable Limits and Compliance Monitoring Requirements
EXTERNAL FLOATING-ROOF TANKS
S694 – Tank A-694

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 8-5-321	Y		Primary rim-seal standards; includes gap criteria	BAAQMD 8-5-401.1	P/Semi Annually and every time a seal is replaced	Seal inspection
VOC	BAAQMD 8-5-322	Y		Secondary rim-seal standards; includes gap criteria	BAAQMD 8-5-401.1	P/Semi Annually and every time a seal is replaced	Seal inspection
VOC	BAAQMD 8-5-328.1	Y		Tank cleaning control by liquid balanceing in which the resulting organic liquid has a TVP is less than 0.5 psia	BAAQMD 8-5-501	P/E	Records
VOC	BAAQMD 8-5-328.1	Y		Tank cleaning control device standards; includes 90% efficiency requirement	BAAQMD 8-5-502 and 8-5-603.2	P/A	Annual source test using MOP, Vol. IV, ST-7
VOC	BAAQMD 8-5-328.1.2	Y		Concentration of < 10,000 ppm as methane after degassing	BAAQMD 8-5-503	periodic each time emptied & degassed	Portable hydrocarbon detector
VOC		Y		Certification reports on tank inspections and source tests	BAAQMD 8-5-404 8-5-405	periodic after each tank inspection and source test	Certification Report
VOC		Y		Records of tank seal replacement	BAAQMD 8-5-501.2	periodic for each tank seal replacement	Records
VOC		Y		Determination of applicability	BAAQMD 8-5-604	P/E	look-up table or sample analysis

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – BG
Cluster 11
Applicable Limits and Compliance Monitoring Requirements
EXTERNAL FLOATING-ROOF TANKS
S701 – Tank A-701

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
BAAQMD 8-5	**Organic Compounds - STORAGE OF ORGANIC LIQUIDS LIMITS AND MONITORING FOR FLOATING-ROOF TANKS**						
VOC	BAAQMD 8-5-301	Y		Record of liquids stored and true vapor pressure	BAAQMD 8-5-501.1	periodic initially and upon change of service	Records
VOC	BAAQMD 8-5-320	Y		Floating roof fitting closure standards; includes gasketed covers	BAAQMD 8-5-401.2	P/Semi Annually	Measurement and visual inspection
VOC	BAAQMD 8-5-321	Y		Primary rim-seal standards; includes gap criteria	BAAQMD 8-5-401.1	P/Semi Annually and every time a seal is replaced	Seal inspection
VOC	BAAQMD 8-5-322	Y		Secondary rim-seal standards; includes gap criteria	BAAQMD 8-5-401.1	P/Semi Annually and every time a seal is replaced	Seal inspection
VOC	BAAQMD 8-5-328.1	Y		Tank cleaning control by liquid balanceing in which the resulting organic liquid has a TVP is less than 0.5 psia	BAAQMD 8-5-501	P/E	Records
VOC	BAAQMD 8-5-328.1	Y		Tank cleaning control device standards; includes 90% efficiency requirement	BAAQMD 8-5-502 and 8-5-603.2	P/A	Annual source test using MOP, Vol. IV, ST-7
VOC	BAAQMD 8-5-328.1.2	Y		Concentration of < 10,000 ppm as methane after degassing	BAAQMD 8-5-503	periodic each time emptied & degassed	Portable hydrocarbon detector
VOC		Y		Certification reports on tank inspections and source tests	BAAQMD 8-5-404 8-5-405	periodic after each tank inspection and source test	Certification Report

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – BG
Cluster 11
Applicable Limits and Compliance Monitoring Requirements
EXTERNAL FLOATING-ROOF TANKS
S701 – Tank A-701

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC		Y		Records of tank seal replacement	BAAQMD 8-5-501.2	periodic for each tank seal replacement	Records
VOC		Y		Determination of applicability	BAAQMD 8-5-604	P/E	look-up table or sample analysis

Table VII – BH
Cluster 12 – Out-Of-Service
Applicable Limits and Compliance Monitoring Requirements
INTERNAL FLOATING-ROOF TANKS
S499 – Tank A-499, S510 – Tank A-510

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
BAAQMD 8-5	**Organic Compounds - STORAGE OF ORGANIC LIQUIDS LIMITS AND MONITORING FOR FLOATING-ROOF TANKS**						
VOC	BAAQMD 8-5-301	Y		Record of liquids stored and true vapor pressure	BAAQMD 8-5-501.1	periodic initially and upon change of service	Records
VOC	BAAQMD 8-5-320	Y		Floating roof fitting closure standards; includes gasketed covers	BAAQMD 8-5-402.3	P/Semi Annually	Measurement and visual inspection
VOC	BAAQMD 8-5-321	Y		Primary rim-seal standards; includes gap criteria	BAAQMD 8-5-402.1	periodic 10 year intervals and every time a seal is replaced	Seal inspection

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – BH
Cluster 12 – Out-Of-Service
Applicable Limits and Compliance Monitoring Requirements
INTERNAL FLOATING-ROOF TANKS
S499 – Tank A-499, S510 – Tank A-510

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 8-5-322	Y		Secondary rim-seal standards; includes gap criteria	BAAQMD 8-5-402.1	periodic 10 year intervals and every time a seal is replaced	Seal inspection
VOC	BAAQMD 8-5-305, 8-5-321.1, 8-5-322.1	Y		Visual inspection of outer most seal	BAAQMD 8-5-402.2	P/Semi Annually	Visual inspection
VOC	BAAQMD 8-5-328.1	Y		Tank cleaning control by liquid balanceing in which the resulting organic liquid has a TVP is less than 0.5 psia	BAAQMD 8-5-501	P/E	Records
VOC	BAAQMD 8-5-328.1	Y		Tank cleaning control device standards; includes 90% efficiency requirement	BAAQMD 8-5-502 and 8-5-603.2	P/A	Annual source test using MOP, Vol. IV, ST-7
VOC	BAAQMD 8-5-328.1.2	Y		Concentration of < 10,000 ppm as methane after degassing	BAAQMD 8-5-503	periodic each time emptied & degassed	Portable hydrocarbon detector
VOC		Y		Certification reports on tank inspections and source tests	BAAQMD 8-5-404 8-5-405	periodic after each tank inspection and source test	Certification report
VOC		Y		Records of tank seal replacement	BAAQMD 8-5-501.2	periodic after each tank seal inspection	Records
VOC		Y		Determination of applicability	BAAQMD 8-5-604	P/E	look-up table or sample analysis

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – BI
Cluster 13
Applicable Limits and Compliance Monitoring Requirements
CLOSED VENT SYSTEMS & CONTROL DEVICES
S691 – Tank A-691

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
BAAMD 8-5	**Organic Compounds - STORAGE OF ORGANIC LIQUIDS LIMITS AND MONITORING FOR CVS & CONTROL DEVICES**						
VOC	BAAQMD 8-5-306	Y		Control device standards; includes 95% efficiency requirement	BAAQMD 8-5-603.1	P/A	MOP Volume IV ST-4
VOC	BAAQMD 8-5-328.1	Y		Tank cleaning control by liquid balanceing in which the resulting organic liquid has a TVP is less than 0.5 psia	BAAQMD 8-5-501	P/E	Records
VOC	BAAQMD 8-5-328.1	Y		Tank cleaning control device standards; includes 90% efficiency requirement	BAAQMD 8-5-502 and 8-5-603.2	P/A	Annual source test using MOP, Vol. IV, ST-7
VOC	BAAQMD 8-5-328.1.2	Y		Organic concentration in tank <10,000 ppm as methane after cleaning	BAAQMD 8-5-503	periodic each time emptied & degassed	portable hydrocarbon detector
VOC	BAAQMD 8-5-301	Y		Record of liquids stored and true vapor pressure	BAAQMD 8-5-501.1	periodic initially and upon change of service	records

Table VII – BJ
Cluster 20
Applicable Limits and Compliance Monitoring Requirements
EXTERNAL FLOATING-ROOF TANKS
S707 – Tank A-707

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
BAAQMD 8-5	**Organic Compounds - STORAGE OF ORGANIC LIQUIDS LIMITS AND MONITORING FOR FLOATING-ROOF TANKS**						

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – BJ
Cluster 20
Applicable Limits and Compliance Monitoring Requirements
EXTERNAL FLOATING-ROOF TANKS
S707 – Tank A-707

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 8-5-301	Y		Record of liquids stored and true vapor pressure	BAAQMD 8-5-501.1	periodic initially and upon change of service	Records
VOC	BAAQMD 8-5-320	Y		Floating roof fitting closure standards; includes gasketed covers	BAAQMD 8-5-401.2	P/Semi Annually	Measurement and visual inspection
VOC	BAAQMD 8-5-321	Y		Primary rim-seal standards; includes gap criteria	BAAQMD 8-5-401.1	P/Semi Annually and every time a seal is replaced	Seal inspection
VOC	BAAQMD 8-5-322	Y		Secondary rim-seal standards; includes gap criteria	BAAQMD 8-5-401.1	P/Semi Annually and every time a seal is replaced	Seal inspection
VOC	BAAQMD 8-5-328.1	Y		Tank cleaning control by liquid balanceing in which the resulting organic liquid has a TVP is less than 0.5 psia	BAAQMD 8-5-501	P/E	Records
VOC	BAAQMD 8-5-328.1	Y		Tank cleaning control device standards; includes 90% efficiency requirement	BAAQMD 8-5-502 and 8-5-603.2	P/A	Annual source test using MOP, Vol. IV, ST-7
VOC	BAAQMD 8-5-328.1.2	Y		Concentration of < 10,000 ppm as methane after degassing	BAAQMD 8-5-503	periodic each time emptied & degassed	Portable hydrocarbon detector
VOC		Y		Certification reports on tank inspections and source tests	BAAQMD 8-5-404 8-5-405	periodic after each tank inspection and source test	Certification Report

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – BJ
Cluster 20
Applicable Limits and Compliance Monitoring Requirements
EXTERNAL FLOATING-ROOF TANKS
S707 – Tank A-707

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC		Y		Records of tank seal replacement	BAAQMD 8-5-501.2	periodic for each tank seal replacement	Records
NSPS Ka	**Petroleum Liquids Storage Vessels LIMITS AND MONITORING FOR EFRTs**						
VOC	60.112a (a)(1)(iii) & (iv)	Y		Deck fitting closure standards		P/E	Visual inspection
VOC	60.112a (a)(1)(i)	Y		Primary rim-seal standards; includes gap criteria	60.113a (a)(1))	periodic initially & at 5 yr intervals	measurement and visual inspection
VOC	60.112a (a)(1)(ii)	Y		Secondary rim-seal standards; includes gap criteria	60.113a (a)(1)	periodic initially & annually	measurement and visual inspection
VOC	60.115a (a)	Y		True vapor pressure determination	60.115a (b) & (c)	periodic initially and upon change of service	calculate

Table VII – BK
Cluster 20
Applicable Limits and Compliance Monitoring Requirements
EXTERNAL FLOATING-ROOF TANKS
S706 – Tank A-706, S709 – Tank A-709

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
BAAQMD 8-5	**Organic Compounds - STORAGE OF ORGANIC LIQUIDS LIMITS AND MONITORING FOR FLOATING-ROOF TANKS**						

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – BK
Cluster 20
Applicable Limits and Compliance Monitoring Requirements
EXTERNAL FLOATING-ROOF TANKS
S706 – Tank A-706, S709 – Tank A-709

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 8-5-301	Y		Record of liquids stored and true vapor pressure	BAAQMD 8-5-501.1	periodic initially and upon change of service	Records
VOC	BAAQMD 8-5-320	Y		Floating roof fitting closure standards; includes gasketed covers	BAAQMD 8-5-401.2	P/Semi Annually	Measurement and visual inspection
VOC	BAAQMD 8-5-321	Y		Primary rim-seal standards; includes gap criteria	BAAQMD 8-5-401.1	P/Semi Annually and every time a seal is replaced	Seal inspection
VOC	BAAQMD 8-5-322	Y		Secondary rim-seal standards; includes gap criteria	BAAQMD 8-5-401.1	P/Semi Annually and every time a seal is replaced	Seal inspection
VOC	BAAQMD 8-5-328.1	Y		Tank cleaning control by liquid balanceing in which the resulting organic liquid has a TVP is less than 0.5 psia	BAAQMD 8-5-501	P/E	Records
VOC	BAAQMD 8-5-328.1	Y		Tank cleaning control device standards; includes 90% efficiency requirement	BAAQMD 8-5-502 and 8-5-603.2	P/A	Annual source test using MOP, Vol. IV, ST-7
VOC	BAAQMD 8-5-328.1.2	Y		Concentration of < 10,000 ppm as methane after degassing	BAAQMD 8-5-503	periodic each time emptied & degassed	Portable hydrocarbon detector
VOC		Y		Certification reports on tank inspections and source tests	BAAQMD 8-5-404 8-5-405	periodic after each tank inspection and source test	Certification Report

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – BK
Cluster 20
Applicable Limits and Compliance Monitoring Requirements
EXTERNAL FLOATING-ROOF TANKS
S706 – Tank A-706, S709 – Tank A-709

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC		Y		Records of tank seal replacement	BAAQMD 8-5-501.2	periodic for each tank seal replacement	Records
NSPS Ka	**Petroleum Liquids Storage Vessels LIMITS AND MONITORING FOR EFRTs**						
VOC	60.112a (a)(1)(iii) & (iv)	Y		Deck fitting closure standards		P/E	Visual Inspection
VOC	60.112a (a)(1)(i)	Y		Primary rim-seal standards; includes gap criteria	60.113a (a)(1)	periodic initially & at 5 yr intervals	measurement and visual inspection
VOC	60.112a (a)(1)(ii)	Y		Secondary rim-seal standards; includes gap criteria	60.113a (a)(1)	periodic initially & annually	measurement and visual inspection
VOC	60.115a (a)	Y		True vapor pressure determination	60.115a (b) & (c)	periodic initially and upon change of service	calculate

Table VII – BL
Cluster 23
Applicable Limits and Compliance Monitoring Requirements
EXTERNAL FLOATING-ROOF TANKS
S1461 – Tank A-866, S1463 – Tank A-867, S1464 – Tank A-868, S1465 – Tank A-869, S1506 Tank A-893, S1507 Tank A-894

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
BAAQMD 8-5	**Organic Compounds - STORAGE OF ORGANIC LIQUIDS LIMITS AND MONITORING FOR FLOATING-ROOF TANKS**						

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – BL
Cluster 23
Applicable Limits and Compliance Monitoring Requirements
EXTERNAL FLOATING-ROOF TANKS
S1461 – Tank A-866, S1463 – Tank A-867, S1464 – Tank A-868, S1465 – Tank A-869, S1506 Tank A-893, S1507 Tank A-894

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 8-5-301	Y		Record of liquids stored and true vapor pressure	BAAQMD 8-5-501.1	periodic initially and upon change of service	Records
VOC	BAAQMD 8-5-320	Y		Floating roof fitting closure standards; includes gasketed covers	BAAQMD 8-5-401.2	P/Semi Annually	Measurement and visual inspection
VOC	BAAQMD 8-5-321	Y		Primary rim-seal standards; includes gap criteria	BAAQMD 8-5-401.1	P/Semi Annually and every time a seal is replaced	Seal inspection
VOC	BAAQMD 8-5-322	Y		Secondary rim-seal standards; includes gap criteria	BAAQMD 8-5-401.1	P/Semi Annually and every time a seal is replaced	Seal inspection
VOC	BAAQMD 8-5-328.1	Y		Tank cleaning control by liquid balanceing in which the resulting organic liquid has a TVP is less than 0.5 psia	BAAQMD 8-5-501	P/E	Records
VOC	BAAQMD 8-5-328.1	Y		Tank cleaning control device standards; includes 90% efficiency requirement	BAAQMD 8-5-502 and 8-5-603.2	P/A	Annual source test using MOP, Vol. IV, ST-7
VOC	BAAQMD 8-5-328.1.2	Y		Concentration of < 10,000 ppm as methane after degassing	BAAQMD 8-5-503	periodic each time emptied & degassed	Portable hydrocarbon detector
VOC		Y		Certification reports on tank inspections and source tests	BAAQMD 8-5-404 8-5-405	periodic after each tank inspection and source test	Certification Report

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – BL
Cluster 23
Applicable Limits and Compliance Monitoring Requirements
EXTERNAL FLOATING-ROOF TANKS
S1461 – Tank A-866, S1463 – Tank A-867, S1464 – Tank A-868, S1465 – Tank A-869, S1506 Tank A-893, S1507 Tank A-894

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC		Y		Records of tank seal replacement	BAAQMD 8-5-501.2	periodic for each tank seal replacement	Records
NSPS Kb	**Volatile Organic Liquid Storage Vessels LIMITS AND MONITORING FOR EFRTs**						
VOC	60.112b (a)(2)(ii)	Y		Deck fitting closure standards; includes gasketed covers	60.113b (b)(6)	periodic initially & each time emptied & degassed	visual inspection
VOC	60.113b (b)(4)(i)	Y		Primary rim-seal standards; includes gap criteria	60.113b (b)(1)-(b)(3)	periodic initially & at 5 yr intervals	measurement and visual inspection
VOC	60.113b (b)(4)(ii)	Y		Secondary rim-seal standards; includes gap criteria	60.113b (b)(1)-(b)(3)	periodic initially & annually	measurement and visual inspection
VOC	60.116b (c)	Y		True vapor pressure determination	60.116b (e)	periodic initially and upon change of service	calculate

Table VII – BM
Cluster 23
Applicable Limits and Compliance Monitoring Requirements
EXTERNAL FLOATING-ROOF TANKS
S642 – Tank A-642

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
BAAQMD 8-5	**Organic Compounds - STORAGE OF ORGANIC LIQUIDS LIMITS AND MONITORING FOR FLOATING-ROOF TANKS**						

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – BM
Cluster 23
Applicable Limits and Compliance Monitoring Requirements
EXTERNAL FLOATING-ROOF TANKS
S642 – Tank A-642

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 8-5-301	Y		Record of liquids stored and true vapor pressure	BAAQMD 8-5-501.1	periodic initially and upon change of service	Records
VOC	BAAQMD 8-5-320	Y		Floating roof fitting closure standards; includes gasketed covers	BAAQMD 8-5-401.2	P/Semi Annually	Measurement and visual inspection
VOC	BAAQMD 8-5-321	Y		Primary rim-seal standards; includes gap criteria	BAAQMD 8-5-401.1	P/Semi Annually and every time a seal is replaced	Seal inspection
VOC	BAAQMD 8-5-322	Y		Secondary rim-seal standards; includes gap criteria	BAAQMD 8-5-401.1	P/Semi Annually and every time a seal is replaced	Seal inspection
VOC	BAAQMD 8-5-328.1	Y		Tank cleaning control by liquid balanceing in which the resulting organic liquid has a TVP is less than 0.5 psia	BAAQMD 8-5-501	P/E	Records
VOC	BAAQMD 8-5-328.1	Y		Tank cleaning control device standards; includes 90% efficiency requirement	BAAQMD 8-5-502 and 8-5-603.2	P/A	Annual source test using MOP, Vol. IV, ST-7
VOC	BAAQMD 8-5-328.1.2	Y		Concentration of < 10,000 ppm as methane after degassing	BAAQMD 8-5-503	periodic each time emptied & degassed	Portable hydrocarbon detector
VOC		Y		Certification reports on tank inspections and source tests	BAAQMD 8-5-404 8-5-405	periodic after each tank inspection and source test	Certification Report

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – BM
Cluster 23
Applicable Limits and Compliance Monitoring Requirements
EXTERNAL FLOATING-ROOF TANKS
S642 – Tank A-642

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC		Y		Records of tank seal replacement	BAAQMD 8-5-501.2	periodic for each tank seal replacement	Records
NSPS Kb	**Volatile Organic Liquid Storage Vessels LIMITS AND MONITORING FOR EFRTs**						
VOC	60.112b (a)(2)(ii)	Y		Deck fitting closure standards; includes gasketed covers	60.113b (b)(6)	periodic initially & each time emptied & degassed	visual inspection
VOC	60.113b (b)(4)(i)	Y		Primary rim-seal standards; includes gap criteria	60.113b (b)(1)-(b)(3)	periodic initially & at 5 yr intervals	measurement and visual inspection
VOC	60.113b (b)(4)(ii)	Y		Secondary rim-seal standards; includes gap criteria	60.113b (b)(1)-(b)(3)	periodic initially & annually	measurement and visual inspection
VOC	60.116b (c)	Y		True vapor pressure determination	60.116b (e)	periodic initially and upon change of service	calculate

~~Table VII – BMa~~
~~Cluster 23~~
~~Applicable Limits and Compliance Monitoring Requirements~~
~~EXTERNAL FLOATING-ROOF TANKS~~
~~S428 Tank A-428~~

~~Type of Limit~~	~~Emission Limit Citation~~	~~FE Y/N~~	~~Future Effective Date~~	~~Emission Limit~~	~~Monitoring Requirement Citation~~	~~Monitoring Frequency (P/C/N)~~	~~Monitoring Type~~
~~**BAAQMD 8-5**~~	~~**Organic Compounds - STORAGE OF ORGANIC LIQUIDS LIMITS AND MONITORING FOR FLOATING-ROOF TANKS**~~						

VII. Applicable Limits and Compliance Monitoring Requirements

~~Table VII – BMa~~
~~Cluster 23~~
~~Applicable Limits and Compliance Monitoring Requirements~~
~~EXTERNAL FLOATING-ROOF TANKS~~
~~S428 Tank A-428~~

~~Type of Limit~~	~~Emission Limit Citation~~	~~FE Y/N~~	~~Future Effective Date~~	~~Emission Limit~~	~~Monitoring Requirement Citation~~	~~Monitoring Frequency (P/C/N)~~	~~Monitoring Type~~
~~VOC~~	~~BAAQMD 8-5-301~~	~~Y~~		~~Record of liquids stored and true vapor pressure~~	~~BAAQMD 8-5-501.1~~	~~periodic initially and upon change of service~~	~~Records~~
~~VOC~~	~~BAAQMD 8-5-320~~	~~Y~~		~~Floating roof fitting closure standards; includes gasketed covers~~	~~BAAQMD 8-5-401.2~~	~~P/Semi Annually~~	~~Measurement and visual inspection~~
~~VOC~~	~~BAAQMD 8-5-321~~	~~Y~~		~~Primary rim-seal standards; includes gap criteria~~	~~BAAQMD 8-5-401.1~~	~~P/Semi Annually and every time a seal is replaced~~	~~Seal inspection~~
~~VOC~~	~~BAAQMD 8-5-322~~	~~Y~~		~~Secondary rim-seal standards; includes gap criteria~~	~~BAAQMD 8-5-401.1~~	~~P/Semi Annually and every time a seal is replaced~~	~~Seal inspection~~
~~VOC~~	~~BAAQMD 8-5-328.1~~	~~Y~~		~~Tank cleaning control by liquid balanceing in which the resulting organic liquid has a TVP is less than 0.5 psia~~	~~BAAQMD 8-5-501~~	~~P/E~~	~~Records~~
~~VOC~~	~~BAAQMD 8-5-328.1~~	~~Y~~		~~Tank cleaning control device standards; includes 90% efficiency requirement~~	~~BAAQMD 8-5-502 and 8-5-603.2~~	~~P/A~~	~~Annual source test using MOP, Vol. IV, ST-7~~
~~VOC~~	~~BAAQMD 8-5-328.1.2~~	~~Y~~		~~Concentration of < 10,000 ppm as methane after degassing~~	~~BAAQMD 8-5-503~~	~~periodic each time emptied & degassed~~	~~Portable hydrocarbon detector~~
~~VOC~~		~~Y~~		~~Certification reports on tank inspections and source tests~~	~~BAAQMD 8-5-404 8-5-405~~	~~periodic after each tank inspection and source test~~	~~Certification Report~~

VII. Applicable Limits and Compliance Monitoring Requirements

~~Table VII – BMa~~
~~Cluster 23~~
~~Applicable Limits and Compliance Monitoring Requirements~~
~~EXTERNAL FLOATING-ROOF TANKS~~
~~S428 Tank A-428~~

~~Type of Limit~~	~~Emission Limit Citation~~	~~FE Y/N~~	~~Future Effective Date~~	~~Emission Limit~~	~~Monitoring Requirement Citation~~	~~Monitoring Frequency (P/C/N)~~	~~Monitoring Type~~
~~VOC~~		~~Y~~		~~Records of tank seal replacement~~	~~BAAQMD 8-5-501.2~~	~~periodic for each tank seal replacement~~	~~Records~~
~~NSPS Kb~~	~~Volatile Organic Liquid Storage Vessels~~ ~~LIMITS AND MONITORING FOR EFRTs~~						
~~VOC~~	~~60.112b (a)(2)(ii)~~	~~Y~~		~~Deck fitting closure standards; includes gasketed covers~~	~~60.113b (b)(6)~~	~~periodic initially & each time emptied & degassed~~	~~visual inspection~~
~~VOC~~	~~60.113b (b)(4)(i)~~	~~Y~~		~~Primary rim-seal standards; includes gap criteria~~	~~60.113b (b)(1)-(b)(3)~~	~~periodic initially & at 5 yr intervals~~	~~measurement and visual inspection~~
~~VOC~~	~~60.113b (b)(4)(ii)~~	~~Y~~		~~Secondary rim-seal standards; includes gap criteria~~	~~60.113b (b)(1)-(b)(3)~~	~~periodic initially & annually~~	~~measurement and visual inspection~~
~~VOC~~	~~60.116b (e)~~	~~Y~~		~~True vapor pressure determination~~	~~60.116b (e)~~	~~periodic initially and upon change of service~~	~~calculate~~

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – BMb
Cluster 23
Applicable Limits and Compliance Monitoring Requirements
EXTERNAL FLOATING-ROOF TANKS
S1521 Tank A-904

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
BAAQMD 8-5 SIP 8-5	**Organic Compounds - STORAGE OF ORGANIC LIQUIDS LIMITS AND MONITORING FOR FLOATING-ROOF TANKS**						
VOC	BAAQMD 8-5-301 SIP 8-5-301	Y		Record of liquids stored and true vapor pressure	BAAQMD 8-5-501.1	periodic initially and upon change of service	Look up table or sample analysis; Records
VOC	BAAQMD 8-5-304.6.1	N		Lids and other openings in leaking pontoon sealed and gas tight (<= 100 ppm as methane)	BAAQMD 8-5-412	P/Q until pontoon leak is repaired	Method 21 portable hydrocarbon detector
VOC	BAAQMD 8-5-320 SIP 8-5-320	Y		Floating roof fitting closure standards; includes gasketed covers	BAAQMD 8-5-401.2 SIP 8-5-401.2	P/SA	Measurement and visual inspection
VOC	BAAQMD 8-5-321 SIP 8-5-321	Y		Primary rim-seal standards; includes gap criteria	BAAQMD 8-5-401.1 SIP 8-5-401.1	P/SA 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 8-5-401.1 SIP 8-5-401.1	P/SA and every time a seal is replaced	Seal inspection
VOC	BAAQMD 8-5-320 8-5-321 8-5-322	N		Fitting and seal standards, including gap criteria	BAAQMD 8-5-401.1 8-5-401.2 8-5-411	P/Q (optional) and every time a seal is replaced	Seal and fitting inspection, enhanced monitoring
VOC	BAAQMD 8-5-328.1	Y		Residual organic oncentration < 10,000 ppm as methane after degassing	BAAQMD 8-5-328.1	P/E 4 consecutive measurements at 15 minute intervals	Method 21 Portable hydrocarbon detector

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – BMb
Cluster 23
Applicable Limits and Compliance Monitoring Requirements
EXTERNAL FLOATING-ROOF TANKS
S1521 Tank A-904

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	SIP 8-5-328.1.2	Y		Concentration of < 10,000 ppm as methane after degassing	SIP 8-5-503	periodic each time emptied & degassed	Portable hydrocarbon detector
VOC	SIP 8-5-328.1.1	Y		Tank degassing control by liquid balancing in which the resulting organic liquid has a TVP is less than 0.5 psia	SIP 8-5-501	P/E	Records
VOC		Y		Records of tank seal replacement	BAAQMD 8-5-501.2	periodic for each tank seal replacement	Records
Throughput	BAAQMD Condition 23715 part 1	Y		Througput shall not exceed 10,000K bbls per any consecutive 12 month period	BAAQM Condition 23715 part 3	P/M	records
True Vapor Pressure	BAAQMD Condition 23715 part 2	Y		True Vapor Pressure shall not exceed 7.3 psia	BAAQM Condition 23715 part 3	P/M	records
40 CFR 60 Subpart Kb	**NSPS: Volatile Organic Liquid Storage Vessels LIMITS AND MONITORING FOR EFRTs**						
VOC	60.112b (a)(2)(ii)	Y		Deck fitting closure standards; includes gasketed covers	60.113b (b)(6)	periodic initially & each time emptied & degassed	visual inspection
VOC	60.113b (b)(4)(i)	Y		Primary rim-seal standards; includes gap criteria	60.113b (b)(1)-(b)(3)	periodic initially & at 5 yr intervals	measurement and visual inspection
VOC	60.113b (b)(4)(ii)	Y		Secondary rim-seal standards; includes gap criteria	60.113b (b)(1)-(b)(3)	periodic initially & annually	measurement and visual inspection
VOC	60.116b (c)	Y		True vapor pressure determination	60.116b (e)	periodic initially and upon change of service	calculate

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – BN
Cluster 24
Applicable Limits and Compliance Monitoring Requirements
INTERNAL FLOATING-ROOF TANKS
S775 – Tank A-849

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
BAAQMD 8-5	**Organic Compounds - STORAGE OF ORGANIC LIQUIDS LIMITS AND MONITORING FOR FLOATING-ROOF TANKS**						
VOC	BAAQMD 8-5-301	Y		Record of liquids stored and true vapor pressure	BAAQMD 8-5-501.1	periodic initially and upon change of service	Records
VOC	BAAQMD 8-5-320	Y		Floating roof fitting closure standards; includes gasketed covers	BAAQMD 8-5-402.3	P/Semi Annually	Measurement and visual inspection
VOC	BAAQMD 8-5-321	Y		Primary rim-seal standards; includes gap criteria	BAAQMD 8-5-402.1	periodic 10 year intervals and every time a seal is replaced	Seal inspection
VOC	BAAQMD 8-5-322	Y		Secondary rim-seal standards; includes gap criteria	BAAQMD 8-5-402.1	periodic 10 year intervals and every time a seal is replaced	Seal inspection
VOC	BAAQMD 8-5-305, 8-5-321.1, 8-5-322.1	Y		Visual inspection of outer most seal	BAAQMD 8-5-402.2	P/Semi Annually	Visual inspection
VOC	BAAQMD 8-5-328.1	Y		Tank cleaning control by liquid balanceing in which the resulting organic liquid has a TVP is less than 0.5 psia	BAAQMD 8-5-501	P/E	Records
VOC	BAAQMD 8-5-328.1	Y		Tank cleaning control device standards; includes 90% efficiency requirement	BAAQMD 8-5-502 and 8-5-603.2	P/A	Annual source test using MOP, Vol. IV, ST-7

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – BN
Cluster 24
Applicable Limits and Compliance Monitoring Requirements
INTERNAL FLOATING-ROOF TANKS
S775 – Tank A-849

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 8-5-328.1.2	Y		Concentration of < 10,000 ppm as methane after degassing	BAAQMD 8-5-503	periodic each time emptied & degassed	Portable hydrocarbon detector
VOC		Y		Certification reports on tank inspections and source tests	BAAQMD 8-5-404 8-5-405	periodic after each tank inspection and source test	Certification report
VOC		Y		Records of tank seal replacement	BAAQMD 8-5-501.2	periodic after each tank seal inspection	Records
VOC		Y		Determination of applicability	BAAQMD 8-5-604	P/E	look-up table or sample analysis
NSPS Kb	**Volatile Organic Liquid Storage Vessels LIMITS AND MONITORING FOR IFRTs**						
VOC	60.112b (a)(1)	Y		Deck fitting closure standards; includes gasketed covers	60.113b (a)(4)	periodic initially & each time emptied & degassed, at least every 10 yr	visual inspection
VOC	60.113b (a)(1) & (4)	Y		Primary rim-seal standards; no holes or tears	60.113b (a)(4)	periodic initially & each time emptied & degassed, at least every 10 yr	visual inspection

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – BN
Cluster 24
Applicable Limits and Compliance Monitoring Requirements
INTERNAL FLOATING-ROOF TANKS
S775 – Tank A-849

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	60.113b (a)(1) & (4)	Y		Secondary rim-seal standards; no holes or tears	60.113b (a)(4)	periodic initially & each time emptied & degassed, at least every 10 yr	visual inspection
VOC	60.113b (a)(2)	Y		No liquid on the floating roof or other obvious defects	60.113b (a)(2)	periodic annually	visual inspection
VOC	60.116b (c)	Y		True vapor pressure determination	60.116b (e)	periodic initially and upon change of service	calculate

Table VII – BO
Cluster 24
Applicable Limits and Compliance Monitoring Requirements
INTERNAL FLOATING-ROOF TANKS
S280 – Tank A-280, S311 – Tank A-311, S312 – Tank A-312~~, S314 – Tank A-314~~

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
BAAQMD 8-5	**Organic Compounds - STORAGE OF ORGANIC LIQUIDS LIMITS AND MONITORING FOR FLOATING-ROOF TANKS**						
VOC	BAAQMD 8-5-301	Y		Record of liquids stored and true vapor pressure	BAAQMD 8-5-501.1	periodic initially and upon change of service	Records
VOC	BAAQMD 8-5-320	Y		Floating roof fitting closure standards; includes gasketed covers	BAAQMD 8-5-402.3	P/Semi Annually	Measurement and visual inspection

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – BO
Cluster 24
Applicable Limits and Compliance Monitoring Requirements
INTERNAL FLOATING-ROOF TANKS
S280 – Tank A-280, S311 – Tank A-311, S312 – Tank A-312~~, S314 – Tank A-314~~

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 8-5-321	Y		Primary rim-seal standards; includes gap criteria	BAAQMD 8-5-402.1	periodic 10 year intervals and every time a seal is replaced	Seal inspection
VOC	BAAQMD 8-5-322	Y		Secondary rim-seal standards; includes gap criteria	BAAQMD 8-5-402.1	periodic 10 year intervals and every time a seal is replaced	Seal inspection
VOC	BAAQMD 8-5-305, 8-5-321.1, 8-5-322.1	Y		Visual inspection of outer most seal	BAAQMD 8-5-402.2	P/Semi Annually	Visual inspection
VOC	BAAQMD 8-5-328.1	Y		Tank cleaning control by liquid balanceing in which the resulting organic liquid has a TVP is less than 0.5 psia	BAAQMD 8-5-501	P/E	Records
VOC	BAAQMD 8-5-328.1	Y		Tank cleaning control device standards; includes 90% efficiency requirement	BAAQMD 8-5-502 and 8-5-603.2	P/A	Annual source test using MOP, Vol. IV, ST-7
VOC	BAAQMD 8-5-328.1.2	Y		Concentration of < 10,000 ppm as methane after degassing	BAAQMD 8-5-503	periodic each time emptied & degassed	Portable hydrocarbon detector
VOC		Y		Certification reports on tank inspections and source tests	BAAQMD 8-5-404 8-5-405	periodic after each tank inspection and source test	Certification report
VOC		Y		Records of tank seal replacement	BAAQMD 8-5-501.2	periodic after each tank seal inspection	Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – BO
Cluster 24
Applicable Limits and Compliance Monitoring Requirements
INTERNAL FLOATING-ROOF TANKS
S280 – Tank A-280, S311 – Tank A-311, S312 – Tank A-312~~, S314 – Tank A-314~~

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC		Y		Determination of applicability	BAAQMD 8-5-604	P/E	look-up table or sample analysis
NSPS Kb	**Volatile Organic Liquid Storage Vessels LIMITS AND MONITORING FOR IFRTs**						
VOC	60.112b (a)(1)	Y		Deck fitting closure standards; includes gasketed covers	60.113b (a)(4)	periodic initially & each time emptied & degassed, at least every 10 yr	visual inspection
VOC	60.113b (a)(1) & (4)	Y		Primary rim-seal standards; no holes or tears	60.113b (a)(4)	periodic initially & each time emptied & degassed, at least every 10 yr	visual inspection
VOC	60.113b (a)(1) & (4)	Y		Secondary rim-seal standards; no holes or tears	60.113b (a)(4)	periodic initially & each time emptied & degassed, at least every 10 yr	visual inspection
VOC	60.113b (a)(2)	Y		No liquid on the floating roof or other obvious defects	60.113b (a)(2)	periodic annually	visual inspection
VOC	60.116b (c)	Y		True vapor pressure determination	60.116b (e)	periodic initially and upon change of service	calculate

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – BP
Cluster 24
Applicable Limits and Compliance Monitoring Requirements
INTERNAL FLOATING-ROOF TANKS
S316 – Tank A-316

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
BAAQMD 8-5	**Organic Compounds - STORAGE OF ORGANIC LIQUIDS LIMITS AND MONITORING FOR FLOATING-ROOF TANKS**						
VOC	BAAQMD 8-5-301	Y		Record of liquids stored and true vapor pressure	BAAQMD 8-5-501.1	periodic initially and upon change of service	Records
VOC	BAAQMD 8-5-320	Y		Floating roof fitting closure standards; includes gasketed covers	BAAQMD 8-5-402.3	P/Semi Annually	Measurement and visual inspection
VOC	BAAQMD 8-5-321	Y		Primary rim-seal standards; includes gap criteria	BAAQMD 8-5-402.1	periodic 10 year intervals and every time a seal is replaced	Seal inspection
VOC	BAAQMD 8-5-322	Y		Secondary rim-seal standards; includes gap criteria	BAAQMD 8-5-402.1	periodic 10 year intervals and every time a seal is replaced	Seal inspection
VOC	BAAQMD 8-5-305, 8-5-321.1, 8-5-322.1	Y		Visual inspection of outer most seal	BAAQMD 8-5-402.2	P/Semi Annually	Visual inspection
VOC	BAAQMD 8-5-328.1	Y		Tank cleaning control by liquid balanceing in which the resulting organic liquid has a TVP is less than 0.5 psia	BAAQMD 8-5-501	P/E	Records
VOC	BAAQMD 8-5-328.1	Y		Tank cleaning control device standards; includes 90% efficiency requirement	BAAQMD 8-5-502 and 8-5-603.2	P/A	Annual source test using MOP, Vol. IV, ST-7
VOC	BAAQMD 8-5-328.1.2	Y		Concentration of < 10,000 ppm as methane after degassing	BAAQMD 8-5-503	periodic each time emptied & degassed	Portable hydrocarbon detector

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – BP
Cluster 24
Applicable Limits and Compliance Monitoring Requirements
INTERNAL FLOATING-ROOF TANKS
S316 – Tank A-316

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC		Y		Certification reports on tank inspections and source tests	BAAQMD 8-5-404 8-5-405	periodic after each tank inspection and source test	Certification report
VOC		Y		Records of tank seal replacement	BAAQMD 8-5-501.2	periodic after each tank seal inspection	Records
VOC		Y		Determination of applicability	BAAQMD 8-5-604	P/E	look-up table or sample analysis
NSPS Kb	**Volatile Organic Liquid Storage Vessels LIMITS AND MONITORING FOR IFRTs**						
VOC	60.112b (a)(1)	Y		Deck fitting closure standards; includes gasketed covers	60.113b (a)(4)	periodic initially & each time emptied & degassed, at least every 10 yr	visual inspection
VOC	60.113b (a)(1) & (4)	Y		Primary rim-seal standards; no holes or tears	60.113b (a)(4)	periodic initially & each time emptied & degassed, at least every 10 yr	visual inspection
VOC	60.113b (a)(1) & (4)	Y		Secondary rim-seal standards; no holes or tears	60.113b (a)(4)	periodic initially & each time emptied & degassed, at least every 10 yr	visual inspection
VOC	60.113b (a)(2)	Y		No liquid on the floating roof or other obvious defects	60.113b (a)(2)	periodic annually	visual inspection

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – BP
Cluster 24
Applicable Limits and Compliance Monitoring Requirements
INTERNAL FLOATING-ROOF TANKS
S316 – Tank A-316

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	60.116b (c)	Y		True vapor pressure determination	60.116b (e)	periodic initially and upon change of service	calculate

Table VII – BQ
Cluster 24
Applicable Limits and Compliance Monitoring Requirements
INTERNAL FLOATING-ROOF TANKS
S278 – Tank A-278, S698 – Tank A-698

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
BAAQMD 8-5	**Organic Compounds - STORAGE OF ORGANIC LIQUIDS LIMITS AND MONITORING FOR FLOATING-ROOF TANKS**						
VOC	BAAQMD 8-5-301	Y		Record of liquids stored and true vapor pressure	BAAQMD 8-5-501.1	periodic initially and upon change of service	Records
VOC	BAAQMD 8-5-320	Y		Floating roof fitting closure standards; includes gasketed covers	BAAQMD 8-5-402.3	P/Semi Annually	Measurement and visual inspection
VOC	BAAQMD 8-5-321	Y		Primary rim-seal standards; includes gap criteria	BAAQMD 8-5-402.1	periodic 10 year intervals and every time a seal is replaced	Seal inspection
VOC	BAAQMD 8-5-322	Y		Secondary rim-seal standards; includes gap criteria	BAAQMD 8-5-402.1	periodic 10 year intervals and every time a seal is replaced	Seal inspection

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – BQ
Cluster 24
Applicable Limits and Compliance Monitoring Requirements
INTERNAL FLOATING-ROOF TANKS
S278 – Tank A-278, S698 – Tank A-698

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 8-5-305, 8-5-321.1, 8-5-322.1	Y		Visual inspection of outer most seal	BAAQMD 8-5-402.2	P/Semi Annually	Visual inspection
VOC	BAAQMD 8-5-328.1	Y		Tank cleaning control by liquid balanceing in which the resulting organic liquid has a TVP is less than 0.5 psia	BAAQMD 8-5-501	P/E	Records
VOC	BAAQMD 8-5-328.1	Y		Tank cleaning control device standards; includes 90% efficiency requirement	BAAQMD 8-5-502 and 8-5-603.2	P/A	Annual source test using MOP, Vol. IV, ST-7
VOC	BAAQMD 8-5-328.1.2	Y		Concentration of < 10,000 ppm as methane after degassing	BAAQMD 8-5-503	periodic each time emptied & degassed	Portable hydrocarbon detector
VOC		Y		Certification reports on tank inspections and source tests	BAAQMD 8-5-404 8-5-405	periodic after each tank inspection and source test	Certification report
VOC		Y		Records of tank seal replacement	BAAQMD 8-5-501.2	periodic after each tank seal inspection	Records
VOC		Y		Determination of applicability	BAAQMD 8-5-604	P/E	look-up table or sample analysis
NSPS Kb	**Volatile Organic Liquid Storage Vessels LIMITS AND MONITORING FOR IFRTs**						
VOC	60.112b (a)(1)	Y		Deck fitting closure standards; includes gasketed covers	60.113b (a)(4)	periodic initially & each time emptied & degassed, at least every 10 yr	visual inspection

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – BQ
Cluster 24
Applicable Limits and Compliance Monitoring Requirements
INTERNAL FLOATING-ROOF TANKS
S278 – Tank A-278, S698 – Tank A-698

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	60.113b (a)(1) & (4)	Y		Primary rim-seal standards; no holes or tears	60.113b (a)(4)	periodic initially & each time emptied & degassed, at least every 10 yr	visual inspection
VOC	60.113b (a)(1) & (4)	Y		Secondary rim-seal standards; no holes or tears	60.113b (a)(4)	periodic initially & each time emptied & degassed, at least every 10 yr	visual inspection
VOC	60.113b (a)(2)	Y		No liquid on the floating roof or other obvious defects	60.113b (a)(2)	periodic annually	visual inspection
VOC	60.116b (c)	Y		True vapor pressure determination	60.116b (e)	periodic initially and upon change of service	calculate

Table VII – BR
Cluster 24
Applicable Limits and Compliance Monitoring Requirements
INTERNAL FLOATING-ROOF TANKS
S601 – Tank A-601

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
BAAQMD 8-5	**Organic Compounds - STORAGE OF ORGANIC LIQUIDS LIMITS AND MONITORING FOR FLOATING-ROOF TANKS**						

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – BR
Cluster 24
Applicable Limits and Compliance Monitoring Requirements
INTERNAL FLOATING-ROOF TANKS
S601 – Tank A-601

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 8-5-301	Y		Record of liquids stored and true vapor pressure	BAAQMD 8-5-501.1	periodic initially and upon change of service	Records
VOC	BAAQMD 8-5-320	Y		Floating roof fitting closure standards; includes gasketed covers	BAAQMD 8-5-402.3	P/Semi Annually	Measurement and visual inspection
VOC	BAAQMD 8-5-321	Y		Primary rim-seal standards; includes gap criteria	BAAQMD 8-5-402.1	periodic 10 year intervals and every time a seal is replaced	Seal inspection
VOC	BAAQMD 8-5-322	Y		Secondary rim-seal standards; includes gap criteria	BAAQMD 8-5-402.1	periodic 10 year intervals and every time a seal is replaced	Seal inspection
VOC	BAAQMD 8-5-305, 8-5-321.1, 8-5-322.1	Y		Visual inspection of outer most seal	BAAQMD 8-5-402.2	P/Semi Annually	Visual inspection
VOC	BAAQMD 8-5-328.1	Y		Tank cleaning control by liquid balanceing in which the resulting organic liquid has a TVP is less than 0.5 psia	BAAQMD 8-5-501	P/E	Records
VOC	BAAQMD 8-5-328.1	Y		Tank cleaning control device standards; includes 90% efficiency requirement	BAAQMD 8-5-502 and 8-5-603.2	P/A	Annual source test using MOP, Vol. IV, ST-7
VOC	BAAQMD 8-5-328.1.2	Y		Concentration of < 10,000 ppm as methane after degassing	BAAQMD 8-5-503	periodic each time emptied & degassed	Portable hydrocarbon detector

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – BR
Cluster 24
Applicable Limits and Compliance Monitoring Requirements
INTERNAL FLOATING-ROOF TANKS
S601 – Tank A-601

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC		Y		Certification reports on tank inspections and source tests	BAAQMD 8-5-404 8-5-405	periodic after each tank inspection and source test	Certification report
VOC		Y		Records of tank seal replacement	BAAQMD 8-5-501.2	periodic after each tank seal inspection	Records
VOC		Y		Determination of applicability	BAAQMD 8-5-604	P/E	look-up table or sample analysis
NSPS Kb	**Volatile Organic Liquid Storage Vessels LIMITS AND MONITORING FOR IFRTs**						
VOC	60.112b (a)(1)	Y		Deck fitting closure standards; includes gasketed covers	60.113b (a)(4)	periodic initially & each time emptied & degassed, at least every 10 yr	visual inspection
VOC	60.113b (a)(1) & (4)	Y		Primary rim-seal standards; no holes or tears	60.113b (a)(4)	periodic initially & each time emptied & degassed, at least every 10 yr	visual inspection
VOC	60.113b (a)(1) & (4)	Y		Secondary rim-seal standards; no holes or tears	60.113b (a)(4)	periodic initially & each time emptied & degassed, at least every 10 yr	visual inspection
VOC	60.113b (a)(2)	Y		No liquid on the floating roof or other obvious defects	60.113b (a)(2)	periodic annually	visual inspection

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – BR
Cluster 24
Applicable Limits and Compliance Monitoring Requirements
INTERNAL FLOATING-ROOF TANKS
S601 – Tank A-601

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	60.116b (c)	Y		True vapor pressure determination	60.116b (e)	periodic initially and upon change of service	calculate

Table VII – BRa
Cluster 24
Applicable Limits and Compliance Monitoring Requirements
INTERNAL FLOATING-ROOF TANKS
S1485 Tank A-870

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
BAAQMD 8-5	**Organic Compounds - STORAGE OF ORGANIC LIQUIDS LIMITS AND MONITORING FOR FLOATING-ROOF TANKS**						
VOC	BAAQMD 8-5-301	Y		Record of liquids stored and true vapor pressure	BAAQMD 8-5-501.1	periodic initially and upon change of service	Records
VOC	BAAQMD 8-5-320	Y		Floating roof fitting closure standards; includes gasketed covers	BAAQMD 8-5-402.3	P/Semi Annually	Measurement and visual inspection
VOC	BAAQMD 8-5-321	Y		Primary rim-seal standards; includes gap criteria	BAAQMD 8-5-402.1	periodic 10 year intervals and every time a seal is replaced	Seal inspection
VOC	BAAQMD 8-5-322	Y		Secondary rim-seal standards; includes gap criteria	BAAQMD 8-5-402.1	periodic 10 year intervals and every time a seal is replaced	Seal inspection

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – BRa
Cluster 24
Applicable Limits and Compliance Monitoring Requirements
INTERNAL FLOATING-ROOF TANKS
S1485 Tank A-870

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 8-5-305, 8-5-321.1, 8-5-322.1	Y		Visual inspection of outer most seal	BAAQMD 8-5-402.2	P/Semi Annually	Visual inspection
VOC	BAAQMD 8-5-328.1	Y		Tank cleaning control by liquid balanceing in which the resulting organic liquid has a TVP is less than 0.5 psia	BAAQMD 8-5-501	P/E	Records
VOC	BAAQMD 8-5-328.1	Y		Tank cleaning control device standards; includes 90% efficiency requirement	BAAQMD 8-5-502 and 8-5-603.2	P/A	Annual source test using MOP, Vol. IV, ST-7
VOC	BAAQMD 8-5-328.1.2	Y		Concentration of < 10,000 ppm as methane after degassing	BAAQMD 8-5-503	periodic each time emptied & degassed	Portable hydrocarbon detector
VOC		Y		Certification reports on tank inspections and source tests	BAAQMD 8-5-404 8-5-405	periodic after each tank inspection and source test	Certification report
VOC		Y		Records of tank seal replacement	BAAQMD 8-5-501.2	periodic after each tank seal inspection	Records
VOC		Y		Determination of applicability	BAAQMD 8-5-604	P/E	look-up table or sample analysis
Throughput	BAAQMD Condition 20520 part 1	Y		Througput shall not exceed 11,000K bbls per any consecutive 12 month period	BAAQM Condition 20520 part 6	P/M	records
NSPS Kb	**Volatile Organic Liquid Storage Vessels LIMITS AND MONITORING FOR IFRTs**						

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – BRa
Cluster 24
Applicable Limits and Compliance Monitoring Requirements
INTERNAL FLOATING-ROOF TANKS
S1485 Tank A-870

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	60.112b (a)(1)	Y		Deck fitting closure standards; includes gasketed covers	60.113b (a)(4)	periodic initially & each time emptied & degassed, at least every 10 yr	visual inspection
VOC	60.113b (a)(1) & (4)	Y		Primary rim-seal standards; no holes or tears	60.113b (a)(4)	periodic initially & each time emptied & degassed, at least every 10 yr	visual inspection
VOC	60.113b (a)(1) & (4)	Y		Secondary rim-seal standards; no holes or tears	60.113b (a)(4)	periodic initially & each time emptied & degassed, at least every 10 yr	visual inspection
VOC	60.113b (a)(2)	Y		No liquid on the floating roof or other obvious defects	60.113b (a)(2)	periodic annually	visual inspection
VOC	60.116b (c)	Y		True vapor pressure determination	60.116b (e)	periodic initially and upon change of service	calculate

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – BS
Cluster 25
Applicable Limits and Compliance Monitoring Requirements
CLOSED VENT SYSTEMS & CONTROL DEVICES
S318 – Tank A-318, S367 – Tank A-367, S1496 Tank A-876

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
BAAMD 8-5	**Organic Compounds - STORAGE OF ORGANIC LIQUIDS LIMITS AND MONITORING FOR CVS & CONTROL DEVICES**						
VOC	BAAQMD 8-5-306	Y		Control device standards; includes 95% efficiency requirement	BAAQMD 8-5-603.1	P/A	MOP Volume IV ST-4
VOC	BAAQMD 8-5-328.1	Y		Tank cleaning control by liquid balanceing in which the resulting organic liquid has a TVP is less than 0.5 psia	BAAQMD 8-5-501	P/E	Records
VOC	BAAQMD 8-5-328.1	Y		Tank cleaning control device standards; includes 90% efficiency requirement	BAAQMD 8-5-502 and 8-5-603.2	P/A	Annual source test using MOP, Vol. IV, ST-7
VOC	BAAQMD 8-5-328.1.2	Y		Organic concentration in tank <10,000 ppm as methane after cleaning	BAAQMD 8-5-503	periodic each time emptied & degassed	portable hydrocarbon detector
VOC	BAAQMD 8-5-301	Y		Record of liquids stored and true vapor pressure	BAAQMD 8-5-501.1	periodic initially and upon change of service	records
VOC S1496	BAAQMD Condition 21100 part 2	Y		Vapor recovery system shall have a destruction efficiency of at least 99.5% by weight	BAAQMD condition 21100 part 4	P/every 5 years prior to Title V renewal	Source Test
Throughput S1496	BAAQMD Condition 21100 part 1	Y		Throughput shall not exceed 2,500,000 barrels per year	BAAQMD Condition 21100 part 5	P/M	Records
NSPS Kb	**Volatile Organic Liquid Storage Vessels LIMITS AND MONITORING FOR CVS & CONTROL DEVICES**						
VOC	60.112b (a)(3)(i)	Y		Closed vent system leak tightness standards (< 500 ppmw)	60.112b (a)(3)(i)	annually	Method 21

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – BS
Cluster 25
Applicable Limits and Compliance Monitoring Requirements
CLOSED VENT SYSTEMS & CONTROL DEVICES
S318 – Tank A-318, S367 – Tank A-367, S1496 Tank A-876

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	60.112b (a)(3)(ii)	Y		Control device standards; includes 95% efficiency requirement,	60.113b (c)(2 & BAAQMD Condition #21053 Part 6	P/ every 5 years prior to the Title V Permit Renewal	Source Test

Table VII – BT
Cluster 25
Applicable Limits and Compliance Monitoring Requirements
CLOSED VENT SYSTEMS & CONTROL DEVICES
S-134 – Tank A-134, S137 – Tank A-137

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
BAAMD 8-5	**Organic Compounds - STORAGE OF ORGANIC LIQUIDS LIMITS AND MONITORING FOR CVS & CONTROL DEVICES**						
VOC	BAAQMD 8-5-306	Y		Control device standards; includes 95% efficiency requirement	BAAQMD 8-5-603.1	P/A	MOP Volume IV ST-4
VOC	BAAQMD 8-5-328.1	Y		Tank cleaning control by liquid balanceing in which the resulting organic liquid has a TVP is less than 0.5 psia	BAAQMD 8-5-501	P/E	Records
VOC	BAAQMD 8-5-328.1	Y		Tank cleaning control device standards; includes 90% efficiency requirement	BAAQMD 8-5-502 and 8-5-603.2	P/A	Annual source test using MOP, Vol. IV, ST-7

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – BT
Cluster 25
Applicable Limits and Compliance Monitoring Requirements
CLOSED VENT SYSTEMS & CONTROL DEVICES
S-134 – Tank A-134, S137 – Tank A-137

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 8-5-328.1.2	Y		Organic concentration in tank <10,000 ppm as methane after cleaning	BAAQMD 8-5-503	periodic each time emptied & degassed	portable hydrocarbon detector
VOC	BAAQMD 8-5-301	Y		Record of liquids stored and true vapor pressure	BAAQMD 8-5-501.1	periodic initially and upon change of service	records
NSPS Kb	**Volatile Organic Liquid Storage Vessels LIMITS AND MONITORING FOR CVS & CONTROL DEVICES**						
VOC	60.112b (a)(3)(i)	Y		Closed vent system leak tightness standards (< 500 ppmw)	60.112b (a)(3)(i)	annually	Method 21
VOC	60.112b (a)(3)(ii)	Y		Control device standards; includes 95% efficiency requirement,	60.113b (c)(2) & BAAQMD Condition #21053 Part 6	P/ every 5 years prior to the Title V Permit Renewal	Source Test

Table VII – BU
Cluster 25
Applicable Limits and Compliance Monitoring Requirements
CLOSED VENT SYSTEMS & CONTROL DEVICES
S513 – Tank A-513

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
BAAMD 8-5	**Organic Compounds - STORAGE OF ORGANIC LIQUIDS LIMITS AND MONITORING FOR CVS & CONTROL DEVICES**						
VOC	BAAQMD 8-5-306	Y		Control device standards; includes 95% efficiency requirement	BAAQMD 8-5-603.1	P/A	MOP Volume IV ST-4

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – BU
Cluster 25
Applicable Limits and Compliance Monitoring Requirements
CLOSED VENT SYSTEMS & CONTROL DEVICES
S513 – Tank A-513

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 8-5-328.1	Y		Tank cleaning control by liquid balanceing in which the resulting organic liquid has a TVP is less than 0.5 psia	BAAQMD 8-5-501	P/E	Records
VOC	BAAQMD 8-5-328.1	Y		Tank cleaning control device standards; includes 90% efficiency requirement	BAAQMD 8-5-502 and 8-5-603.2	P/A	Annual source test using MOP, Vol. IV, ST-7
VOC	BAAQMD 8-5-328.1.2	Y		Organic concentration in tank <10,000 ppm as methane after cleaning	BAAQMD 8-5-503	periodic each time emptied & degassed	portable hydrocarbon detector
VOC	BAAQMD 8-5-301	Y		Record of liquids stored and true vapor pressure	BAAQMD 8-5-501.1	periodic initially and upon change of service	records
NSPS Kb	**Volatile Organic Liquid Storage Vessels LIMITS AND MONITORING FOR CVS & CONTROL DEVICES**						
VOC	60.112b (a)(3)(i)	Y		Closed vent system leak tightness standards (< 500 ppmw)	60.112b (a)(3)(i)	annually	Method 21
VOC	60.112b (a)(3)(ii)	Y		Control device standards; includes 95% efficiency requirement,	60.113b (c)(2) & BAAQMD Condition #21053 Part 6	P/ every 5 years prior to the Title V Permit Renewal	Source Test

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – BUa
Cluster 25
Applicable Limits and Compliance Monitoring Requirements
CLOSED VENT SYSTEMS & CONTROL DEVICES
S1489 Fixed Volume Portable Tank #1, S1490 Fixed Volume Portable Tank #2, S1491 Fixed Volume Portable Tank #3

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
BAAMD 8-5	**Organic Compounds - STORAGE OF ORGANIC LIQUIDS LIMITS AND MONITORING FOR CVS & CONTROL DEVICES**						
VOC	BAAQMD 8-5-306	Y		Control device standards; includes 95% efficiency requirement	BAAQMD 8-5-603.1	P/A	MOP Volume IV ST-4
VOC	BAAQMD 8-5-328.1	Y		Tank cleaning control by liquid balanceing in which the resulting organic liquid has a TVP is less than 0.5 psia	BAAQMD 8-5-501	P/E	Records
VOC	BAAQMD 8-5-328.1	Y		Tank cleaning control device standards; includes 90% efficiency requirement	BAAQMD 8-5-502 and 8-5-603.2	P/A	Annual source test using MOP, Vol. IV, ST-7
VOC	BAAQMD 8-5-328.1.2	Y		Organic concentration in tank <10,000 ppm as methane after cleaning	BAAQMD 8-5-503	periodic each time emptied & degassed	portable hydrocarbon detector
VOC	BAAQMD 8-5-301	Y		Record of liquids stored and true vapor pressure	BAAQMD 8-5-501.1	periodic initially and upon change of service	records
BAAMD 8-8	**Organic Compounds - STORAGE OF ORGANIC LIQUIDS Wastewater Collection and Separation Systems**						
VOC S1489 and 1490	BAAQMD 8-8-305.2	Y		Vapor recovery system with combined collection and destruction efficiency of at least 70% by weight	BAAQMD 8-8-305.2 and BAAQMD condition 21536 part 5	P/E	PID or FID
VOC S1491	BAAQMD 8-8-305.2	Y		Vapor recovery system with combined collection and destruction efficiency of at least 70% by weight	BAAQMD 8-8-305.2 and BAAQMD condition 215365part 4	P/E	PID or FID
BAAQMD Condtions							

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – BUa
Cluster 25
Applicable Limits and Compliance Monitoring Requirements
CLOSED VENT SYSTEMS & CONTROL DEVICES
S1489 Fixed Volume Portable Tank #1, S1490 Fixed Volume Portable Tank #2, S1491 Fixed Volume Portable Tank #3

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC S1489 and 1490	BAAQMD Condition 21536 part 3	Y		Overall collection and adsorption efficiency of at least 95% by weight POC	BAAQMD Condition 21536 part 5	P/E	PID or FID
VOC S1491	BAAQMD Condition 21535 part 2	Y		Overall collection and adsorption efficiency of at least 95% by weight POC	BAAQMD Condition 21535 part 4	P/E	PID or FID
Throughput S1489	BAAQMD condition #21536 part 1	Y		Throughput shall not exceed 13,000 bbls in any consecutive 12 month period	BAAQMD condition #21536 part 10	P/M	records
Throughput S1490	BAAQMD condition #21536 part 2	Y		Throughput shall not exceed 13,000 bbls in any consecutive 12 month period	BAAQMD condition #21536 part 10	P/M	records
Throughput S1491	BAAQMD condition #21535 part 1	Y		Throughput shall not exceed 13,000 bbls in any consecutive 12 month period	BAAQMD condition #21535 part 9	P/M	records
NSPS Kb	**Volatile Organic Liquid Storage Vessels LIMITS AND MONITORING FOR CVS & CONTROL DEVICES**						
VOC	60.112b (a)(3)(i)	Y		Closed vent system leak tightness standards (< 500 ppmw)	60.112b (a)(3)(i)	annually	Method 21
VOC S1489 and S1490	60.112b (a)(3)(ii)	Y		Control device standards; includes 95% efficiency requirement,	BAAQMD Condition 21536 part 5	P/E	PID or FID
VOC S1491	60.112b (a)(3)(ii)	Y		Control device standards; includes 95% efficiency requirement,	BAAQMD Condition 21535 part 4	P/E	PID or FID

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – BV
Cluster 26
Applicable Limits and Compliance Monitoring Requirements
EXTERNAL FLOATING-ROOF TANKS
S26 – Tank A-026, S490 – Tank A-490, S631 – Tank A-631, S690 – Tank A-690, S705 – Tank A-705, S19 (~~12759~~B2759) – Tank B-19, S21 (~~12759~~B2759) – Tank B21, S30 (~~12759~~B2759) – Tank B-30, S49 (~~12759~~B2759) – Tank B-49, S50 (~~12759~~B2759) – Tank B-050

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
BAAQMD 8-5	**Organic Compounds - STORAGE OF ORGANIC LIQUIDS LIMITS AND MONITORING FOR FLOATING-ROOF TANKS**						
VOC	BAAQMD 8-5-301	Y		Record of liquids stored and true vapor pressure	BAAQMD 8-5-501.1	periodic initially and upon change of service	Records
VOC	BAAQMD 8-5-320	Y		Floating roof fitting closure standards; includes gasketed covers	BAAQMD 8-5-401.2	P/Semi Annually	Measurement and visual inspection
VOC	BAAQMD 8-5-321	Y		Primary rim-seal standards; includes gap criteria	BAAQMD 8-5-401.1	P/Semi Annually and every time a seal is replaced	Seal inspection
VOC	BAAQMD 8-5-322	Y		Secondary rim-seal standards; includes gap criteria	BAAQMD 8-5-401.1	P/Semi Annually and every time a seal is replaced	Seal inspection
VOC	BAAQMD 8-5-328.1	Y		Tank cleaning control by liquid balanceing in which the resulting organic liquid has a TVP is less than 0.5 psia	BAAQMD 8-5-501	P/E	Records
VOC	BAAQMD 8-5-328.1	Y		Tank cleaning control device standards; includes 90% efficiency requirement	BAAQMD 8-5-502 and 8-5-603.2	P/A	Annual source test using MOP, Vol. IV, ST-7
VOC	BAAQMD 8-5-328.1.2	Y		Concentration of < 10,000 ppm as methane after degassing	BAAQMD 8-5-503	periodic each time emptied & degassed	Portable hydrocarbon detector

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – BV
Cluster 26
Applicable Limits and Compliance Monitoring Requirements
EXTERNAL FLOATING-ROOF TANKS
S26 – Tank A-026, S490 – Tank A-490, S631 – Tank A-631, S690 – Tank A-690, S705 – Tank A-705, S19 (~~12759~~B2759) – Tank B-19, S21 (~~12759~~B2759) – Tank B21, S30 (~~12759~~B2759) – Tank B-30, S49 (~~12759~~B2759) – Tank B-49, S50 (~~12759~~B2759) – Tank B-050

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC		Y		Certification reports on tank inspections and source tests	BAAQMD 8-5-404 8-5-405	periodic after each tank inspection and source test	Certification Report
VOC		Y		Records of tank seal replacement	BAAQMD 8-5-501.2	periodic for each tank seal replacement	Records
Refinery MACT	**NESHAP for Petroleum Refineries** **LIMITS AND MONITORING FOR EFRTs**						
HAP	63.646(a)	Y		Deck fitting closure standards	63.646 (a) & (e) 63.120 (b)(10)	periodic initially & each time emptied & degassed	visual inspection
HAP	63.646(a) 63.120 (b)(3)&(5)	Y		Primary rim-seal standards; includes gap criteria	63.646(a) 63.120 (b)(1) & (2)	periodic initially & at 5 yr intervals	measurement and visual inspection
HAP	63.646(a) 63.120 (b)(4)&(6)	Y		Secondary rim-seal standards; includes gap criteria	63.646(a) 63.120 (b)(1) & (2)	periodic initially & annually	measurement and visual inspection

Table VII – BW
Cluster 26
Applicable Limits and Compliance Monitoring Requirements
EXTERNAL FLOATING-ROOF TANKS
S641 – Tank A-641

VII. Applicable Limits and Compliance Monitoring Requirements

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
BAAQMD 8-5	**Organic Compounds - STORAGE OF ORGANIC LIQUIDS LIMITS AND MONITORING FOR FLOATING-ROOF TANKS**						
VOC	BAAQMD 8-5-301	Y		Record of liquids stored and true vapor pressure	BAAQMD 8-5-501.1	periodic initially and upon change of service	Records
VOC	BAAQMD 8-5-320	Y		Floating roof fitting closure standards; includes gasketed covers	BAAQMD 8-5-401.2	P/Semi Annually	Measurement and visual inspection
VOC	BAAQMD 8-5-321	Y		Primary rim-seal standards; includes gap criteria	BAAQMD 8-5-401.1	P/Semi Annually and every time a seal is replaced	Seal inspection
VOC	BAAQMD 8-5-322	Y		Secondary rim-seal standards; includes gap criteria	BAAQMD 8-5-401.1	P/Semi Annually and every time a seal is replaced	Seal inspection
VOC	BAAQMD 8-5-328.1	Y		Tank cleaning control by liquid balanceing in which the resulting organic liquid has a TVP is less than 0.5 psia	BAAQMD 8-5-501	P/E	Records
VOC	BAAQMD 8-5-328.1	Y		Tank cleaning control device standards; includes 90% efficiency requirement	BAAQMD 8-5-502 and 8-5-603.2	P/A	Annual source test using MOP, Vol. IV, ST-7
VOC	BAAQMD 8-5-328.1.2	Y		Concentration of < 10,000 ppm as methane after degassing	BAAQMD 8-5-503	periodic each time emptied & degassed	Portable hydrocarbon detector
VOC		Y		Certification reports on tank inspections and source tests	BAAQMD 8-5-404 8-5-405	periodic after each tank inspection and source test	Certification Report
VOC		Y		Records of tank seal replacement	BAAQMD 8-5-501.2	periodic for each tank seal replacement	Records
Refinery MACT	**NESHAP for Petroleum Refineries LIMITS AND MONITORING FOR EFRTs**						

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – BW
Cluster 26
Applicable Limits and Compliance Monitoring Requirements
EXTERNAL FLOATING-ROOF TANKS
S641 – Tank A-641

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
HAP	63.646(a)	Y		Deck fitting closure standards	63.646 (a) & (e) 63.120 (b)(10)	periodic initially & each time emptied & degassed	visual inspection
HAP	63.646(a) 63.120 (b)(3)&(5)	Y		Primary rim-seal standards; includes gap criteria	63.646(a) 63.120 (b)(1) & (2)	periodic initially & at 5 yr intervals	measurement and visual inspection
HAP	63.646(a) 63.120 (b)(4)&(6)	Y		Secondary rim-seal standards; includes gap criteria	63.646(a) 63.120 (b)(1) & (2)	periodic initially & annually	measurement and visual inspection

Table VII – BX

Cluster 26
Applicable Limits and Compliance Monitoring Requirements
EXTERNAL FLOATING-ROOF TANKS
S33 – Tank A-033, S638 – Tank A-638, S639 – Tank A-639, S640 – Tank A-640, S664 – Tank A-664, S692 – Tank A-692, S708 – Tank A-708, S710 – Tank A-710, S711 – Tank A-711, S871 Tank A-871

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
BAAQMD 8-5	**Organic Compounds - STORAGE OF ORGANIC LIQUIDS LIMITS AND MONITORING FOR FLOATING-ROOF TANKS**						
VOC	BAAQMD 8-5-301	Y		Record of liquids stored and true vapor pressure	BAAQMD 8-5-501.1	periodic initially and upon change of service	Records
VOC	BAAQMD 8-5-320	Y		Floating roof fitting closure standards; includes gasketed covers	BAAQMD 8-5-401.2	P/Semi Annually	Measurement and visual inspection

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – BX

Cluster 26
Applicable Limits and Compliance Monitoring Requirements
EXTERNAL FLOATING-ROOF TANKS
S33 – Tank A-033, S638 – Tank A-638, S639 – Tank A-639, S640 – Tank A-640, S664 – Tank A-664, S692 – Tank A-692, S708 – Tank A-708, S710 – Tank A-710, S711 – Tank A-711, S871 Tank A-871

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 8-5-321	Y		Primary rim-seal standards; includes gap criteria	BAAQMD 8-5-401.1	P/Semi Annually and every time a seal is replaced	Seal inspection
VOC	BAAQMD 8-5-322	Y		Secondary rim-seal standards; includes gap criteria	BAAQMD 8-5-401.1	P/Semi Annually and every time a seal is replaced	Seal inspection
VOC	BAAQMD 8-5-328.1	Y		Tank cleaning control by liquid balanceing in which the resulting organic liquid has a TVP is less than 0.5 psia	BAAQMD 8-5-501	P/E	Records
VOC	BAAQMD 8-5-328.1	Y		Tank cleaning control device standards; includes 90% efficiency requirement	BAAQMD 8-5-502 and 8-5-603.2	P/A	Annual source test using MOP, Vol. IV, ST-7
VOC	BAAQMD 8-5-328.1.2	Y		Concentration of < 10,000 ppm as methane after degassing	BAAQMD 8-5-503	periodic each time emptied & degassed	Portable hydrocarbon detector
VOC		Y		Certification reports on tank inspections and source tests	BAAQMD 8-5-404 8-5-405	periodic after each tank inspection and source test	Certification Report
VOC		Y		Records of tank seal replacement	BAAQMD 8-5-501.2	periodic for each tank seal replacement	Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – BX

Cluster 26
Applicable Limits and Compliance Monitoring Requirements
EXTERNAL FLOATING-ROOF TANKS
S33 – Tank A-033, S638 – Tank A-638, S639 – Tank A-639, S640 – Tank A-640, S664 – Tank A-664, S692 – Tank A-692, S708 – Tank A-708, S710 – Tank A-710, S711 – Tank A-711, S871 Tank A-871

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Througput	BAAQMD condition #21393, part 1	Y		Total throughput shall not exceed 20,000,000 bbls in any consecutive 12 month period	BAAQMD condition #21393, part 4	P/M	records
Refinery MACT	**NESHAP for Petroleum Refineries** **LIMITS AND MONITORING FOR EFRTs**						
HAP	63.646(a)	Y		Deck fitting closure standards	63.646 (a) & (e) 63.120 (b)(10)	periodic initially & each time emptied & degassed	visual inspection
HAP	63.646(a) 63.120 (b)(3)&(5)	Y		Primary rim-seal standards; includes gap criteria	63.646(a) 63.120 (b)(1) & (2)	periodic initially & at 5 yr intervals	measurement and visual inspection
HAP	63.646(a) 63.120 (b)(4)&(6)	Y		Secondary rim-seal standards; includes gap criteria	63.646(a) 63.120 (b)(1) & (2)	periodic initially & annually	measurement and visual inspection

Table VII – BY
Cluster 27
Applicable Limits and Compliance Monitoring Requirements
INTERNAL FLOATING-ROOF TANKS
S279 – TANK A-279, S313 – TANK A-313, S315 – TANK A-315, S696 – TANK A-696, S697 – TANK A-697

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
BAAQMD 8-5	**Organic Compounds - STORAGE OF ORGANIC LIQUIDS** **LIMITS AND MONITORING FOR FLOATING-ROOF TANKS**						

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – BY
Cluster 27
Applicable Limits and Compliance Monitoring Requirements
INTERNAL FLOATING-ROOF TANKS
S279 – TANK A-279, S313 – TANK A-313, S315 – TANK A-315, S696 – TANK A-696, S697 – TANK A-697

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 8-5-301	Y		Record of liquids stored and true vapor pressure	BAAQMD 8-5-501.1	periodic initially and upon change of service	Records
VOC	BAAQMD 8-5-320	Y		Floating roof fitting closure standards; includes gasketed covers	BAAQMD 8-5-402.3	P/Semi Annually	Measurement and visual inspection
VOC	BAAQMD 8-5-321	Y		Primary rim-seal standards; includes gap criteria	BAAQMD 8-5-402.1	periodic 10 year intervals and every time a seal is replaced	Seal inspection
VOC	BAAQMD 8-5-322	Y		Secondary rim-seal standards; includes gap criteria	BAAQMD 8-5-402.1	periodic 10 year intervals and every time a seal is replaced	Seal inspection
VOC	BAAQMD 8-5-305, 8-5-321.1, 8-5-322.1	Y		Visual inspection of outer most seal	BAAQMD 8-5-402.2	P/Semi Annually	Visual inspection
VOC	BAAQMD 8-5-328.1	Y		Tank cleaning control by liquid balanceing in which the resulting organic liquid has a TVP is less than 0.5 psia	BAAQMD 8-5-501	P/E	Records
VOC	BAAQMD 8-5-328.1	Y		Tank cleaning control device standards; includes 90% efficiency requirement	BAAQMD 8-5-502 and 8-5-603.2	P/A	Annual source test using MOP, Vol. IV, ST-7
VOC	BAAQMD 8-5-328.1.2	Y		Concentration of < 10,000 ppm as methane after degassing	BAAQMD 8-5-503	periodic each time emptied & degassed	Portable hydrocarbon detector

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – BY
Cluster 27
Applicable Limits and Compliance Monitoring Requirements
INTERNAL FLOATING-ROOF TANKS
S279 – TANK A-279, S313 – TANK A-313, S315 – TANK A-315, S696 – TANK A-696, S697 – TANK A-697

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC		Y		Certification reports on tank inspections and source tests	BAAQMD 8-5-404 8-5-405	periodic after each tank inspection and source test	Certification report
VOC		Y		Records of tank seal replacement	BAAQMD 8-5-501.2	periodic after each tank seal inspection	Records
VOC		Y		Determination of applicability	BAAQMD 8-5-604	P/E	look-up table or sample analysis
Refinery MACT	**NESHAP for Petroleum Refineries** **LIMITS AND MONITORING FOR IFRTs**						
HAP	63.646(f)	Y		Deck fitting closure standards	63.646 (a) & (e) 63.120 (a)(2) & (3)	periodic initially & each time emptied & degassed, at least every 10 yr	visual inspection
HAP	63.646(a) 63.120 (a)(7)	Y		Primary rim-seal standards; no holes or tears	63.646(a) 63.120 (a)(2) & (3)	periodic initially & each time emptied & degassed, at least every 10 yr	visual inspection
HAP	63.646(a) 63.120 (a)(7)	Y		Secondary rim-seal standards (if so equipped); no holes or tears	63.646(a) 63.120 (a)(2) & (3)	periodic initially & each time emptied & degassed, at least every 10 yr	visual inspection

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – BY
Cluster 27
Applicable Limits and Compliance Monitoring Requirements
INTERNAL FLOATING-ROOF TANKS
S279 – TANK A-279, S313 – TANK A-313, S315 – TANK A-315, S696 – TANK A-696, S697 – TANK A-697

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
HAP	63.646(a) 63.120 (a)(4)	Y		Additional rim-seal standards; includes no gaps visible from the tank top	63.646(a) 63.120 (a)(2) & (3)	periodic annually	visual inspection
HAP	63.646(a) 63.120 (a)(4)	Y		No liquid on the floating roof or other obvious defects	63.646(a) 63.120 (a)(2) & (3)	periodic annually	visual inspection

Table VII – BZ
Cluster 27 Out of Service
Applicable Limits and Compliance Monitoring Requirements
INTERNAL FLOATING-ROOF TANKS
S612 – TANK A-612

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
BAAQMD 8-5	**Organic Compounds - STORAGE OF ORGANIC LIQUIDS LIMITS AND MONITORING FOR FLOATING-ROOF TANKS**						
VOC	BAAQMD 8-5-301	Y		Record of liquids stored and true vapor pressure	BAAQMD 8-5-501.1	periodic initially and upon change of service	Records
VOC	BAAQMD 8-5-320	Y		Floating roof fitting closure standards; includes gasketed covers	BAAQMD 8-5-402.3	P/Semi Annually	Measurement and visual inspection
VOC	BAAQMD 8-5-321	Y		Primary rim-seal standards; includes gap criteria	BAAQMD 8-5-402.1	periodic 10 year intervals and every time a seal is replaced	Seal inspection

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – BZ
Cluster 27 Out of Service
Applicable Limits and Compliance Monitoring Requirements
INTERNAL FLOATING-ROOF TANKS
S612 – TANK A-612

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 8-5-322	Y		Secondary rim-seal standards; includes gap criteria	BAAQMD 8-5-402.1	periodic 10 year intervals and every time a seal is replaced	Seal inspection
VOC	BAAQMD 8-5-305, 8-5-321.1, 8-5-322.1	Y		Visual inspection of outer most seal	BAAQMD 8-5-402.2	P/Semi Annually	Visual inspection
VOC	BAAQMD 8-5-328.1	Y		Tank cleaning control by liquid balanceing in which the resulting organic liquid has a TVP is less than 0.5 psia	BAAQMD 8-5-501	P/E	Records
VOC	BAAQMD 8-5-328.1	Y		Tank cleaning control device standards; includes 90% efficiency requirement	BAAQMD 8-5-502 and 8-5-603.2	P/A	Annual source test using MOP, Vol. IV, ST-7
VOC	BAAQMD 8-5-328.1.2	Y		Concentration of < 10,000 ppm as methane after degassing	BAAQMD 8-5-503	periodic each time emptied & degassed	Portable hydrocarbon detector
VOC		Y		Certification reports on tank inspections and source tests	BAAQMD 8-5-404 8-5-405	periodic after each tank inspection and source test	Certification report
VOC		Y		Records of tank seal replacement	BAAQMD 8-5-501.2	periodic after each tank seal inspection	Records
VOC		Y		Determination of applicability	BAAQMD 8-5-604	P/E	look-up table or sample analysis
BAAQMD	Condition 6740						

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – BZ
Cluster 27 Out of Service
Applicable Limits and Compliance Monitoring Requirements
INTERNAL FLOATING-ROOF TANKS
S612 – TANK A-612

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Throughput	BAAQMD Condition 6740, part 1	Y		No more than 243,000 barrels per year	BAAQMD Condition 6740, part 3	P/D	records
Refinery MACT	**NESHAP for Petroleum Refineries** **LIMITS AND MONITORING FOR IFRTs**						
HAP	63.646(f)	Y		Deck fitting closure standards	63.646 (a) & (e) 63.120 (a)(2) & (3)	periodic initially & each time emptied & degassed, at least every 10 yr	visual inspection
HAP	63.646(a) 63.120 (a)(7)	Y		Primary rim-seal standards; no holes or tears	63.646(a) 63.120 (a)(2) & (3)	periodic initially & each time emptied & degassed, at least every 10 yr	visual inspection
HAP	63.646(a) 63.120 (a)(7)	Y		Secondary rim-seal standards (if so equipped); no holes or tears	63.646(a) 63.120 (a)(2) & (3)	periodic initially & each time emptied & degassed, at least every 10 yr	visual inspection
HAP	63.646(a) 63.120 (a)(4)	Y		Additional rim-seal standards; includes no gaps visible from the tank top	63.646(a) 63.120 (a)(2) & (3)	periodic annually	visual inspection
HAP	63.646(a) 63.120 (a)(4)	Y		No liquid on the floating roof or other obvious defects	63.646(a) 63.120 (a)(2) & (3)	periodic annually	visual inspection

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – CA
Cluster 28
Applicable Limits and Compliance Monitoring Requirements
CLOSED VENT SYSTEMS & CONTROL DEVICES
S699 –Tank A-699, S714 – Tank A-714

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
BAAQMD 8-5	**Organic Compounds - STORAGE OF ORGANIC LIQUIDS LIMITS AND MONITORING FOR CVS & CONTROL DEVICES**						
VOC	BAAQMD 8-5-306	Y		Control device standards; includes 95% efficiency requirement	BAAQMD 8-5-603.1	P/A	MOP Volume IV ST-4
VOC	BAAQMD 8-5-328.1	Y		Tank cleaning control by liquid balanceing in which the resulting organic liquid has a TVP is less than 0.5 psia	BAAQMD 8-5-501	P/E	Records
VOC	BAAQMD 8-5-328.1	Y		Tank cleaning control device standards; includes 90% efficiency requirement	BAAQMD 8-5-502 and 8-5-603.2	P/A	Annual source test using MOP, Vol. IV, ST-7
VOC	BAAQMD 8-5-328.1.2	Y		Organic concentration in tank <10,000 ppm as methane after cleaning	BAAQMD 8-5-503	periodic each time emptied & degassed	portable hydrocarbon detector
VOC	BAAQMD 8-5-301	Y		Record of liquids stored and true vapor pressure	BAAQMD 8-5-501.1	periodic initially and upon change of service	records
				Requirement for S699			
Organic compounds	BAAQMD 8-8-305.2	Y		70% collection and destruction efficiency of organic compounds, by weight			
Refinery MACT	**NESHAP for Petroleum Refineries LIMITS AND MONITORING FOR CONTROL DEVICES**						
HAP	63.646(a) 63.119 (e)(1) & (2)	Y		Control device standards; includes 95% efficiency requirement (or 90% if older than 7/15/94), or a flare per 63.11(b)	63.646(a) 63.120 (d)(5), (e)(4)	as approved	specified parameter
HAP	63.646(a) 63.119 (e)(3)	Y		Limits on hours of planned routine maintenance of the control device	63.646(a) 63.120 (d)(4)	periodic semiannually	reports

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – CA
Cluster 28
Applicable Limits and Compliance Monitoring Requirements
CLOSED VENT SYSTEMS & CONTROL DEVICES
S699 –Tank A-699, S714 – Tank A-714

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
HAP	63.646(a) 63.120 (d)(6), (e)(5) 63.148(b)(3)	Y		Standards for openings in the cover (unless maintained under negative pressure)	63.646(a) 63.120 (d)(6), (e)(5) 63.148(b)(3)	periodic initially & semiannually	visual inspection
HAP	63.646(a) 63.120 (d)(6), (e)(5) 63.148 (b)(1) & (2)	Y		Closed vent system leak tightness standards (< 500 ppmw - unless maintained under negative pressure)	63.646(a) 63.120 (d)(6), (e)(5) 63.148 (b)(1) & (2)	periodic initially & annually	sensory inspection (and, if ductwork, by Method 21)
HAP	63.646(a) 63.120 (d)(6), (e)(5) 63.148(b)(3)	Y		Cover leak tightness standards (unless maintained under negative pressure)	63.646(a) 63.120 (d)(6), (e)(5) 63.148(b)(3)	periodic initially & semiannually	sensory inspection
HAP	63.646(a) 63.120 (d)(6), (e)(5) 63.148(f)	Y		Closed vent systems by-pass line standards (unless maintained under negative pressure)	63.646(a) 63.120 (d)(6), (e)(5) 63.148(f)	periodic every 15 min for flow indicator; monthly for car-seal	visual inspection

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – CB
Cluster 28
Applicable Limits and Compliance Monitoring Requirements
CLOSED VENT SYSTEMS & CONTROL DEVICES
S323 – Tank A-323

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
BAAMD 8-5	**Organic Compounds - STORAGE OF ORGANIC LIQUIDS LIMITS AND MONITORING FOR CVS & CONTROL DEVICES**						
VOC	BAAQMD 8-5-306	Y		Control device standards; includes 95% efficiency requirement	BAAQMD 8-5-603.1	P/A	MOP Volume IV ST-4
VOC	BAAQMD 8-5-328.1	Y		Tank cleaning control by liquid balanceing in which the resulting organic liquid has a TVP is less than 0.5 psia	BAAQMD 8-5-501	P/E	Records
VOC	BAAQMD 8-5-328.1	Y		Tank cleaning control device standards; includes 90% efficiency requirement	BAAQMD 8-5-502 and 8-5-603.2	P/A	Annual source test using MOP, Vol. IV, ST-7
VOC	BAAQMD 8-5-328.1.2	Y		Organic concentration in tank <10,000 ppm as methane after cleaning	BAAQMD 8-5-503	periodic each time emptied & degassed	portable hydrocarbon detector
VOC	BAAQMD 8-5-301	Y		Record of liquids stored and true vapor pressure	BAAQMD 8-5-501.1	periodic initially and upon change of service	records
VOC	328. 1.2	Y		Tank cleaning control device standards; includes 90% efficiency requirement	603.2	P/E during tank cleaning	ST-7
VOC	501	Y		True vapor pressure determination	601, 602, 604	periodic initially and upon change of service	look up table or sample analysis
VOC	BAAQMD Condition 13605 Part 3	N		Control device standards; includes 99.5% efficiency requirement	BAAQMD Condition 21053 Part 3 and 4	P/A	Source Test (ST-4)
Refinery MACT	**NESHAP for Petroleum Refineries LIMITS AND MONITORING FOR CONTROL DEVICES**						

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – CB
Cluster 28
Applicable Limits and Compliance Monitoring Requirements
CLOSED VENT SYSTEMS & CONTROL DEVICES
S323 – Tank A-323

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
HAP	63.646(a) 63.119 (e)(1) & (2)	Y		Control device standards; includes 95% efficiency requirement (or 90% if older than 7/15/94),	63.646(a) 63.120 (d)(5), & BAAQMD Condition #21053 Part 6	P/ every 5 years prior to the Title V Permit Renewal	Source Test
HAP	63.646(a) 63.119 (e)(3)	Y		Limits on hours of planned routine maintenance of the control device	63.646(a) 63.120 (d)(4)	periodic semiannually	reports
HAP	63.646(a) 63.120 (d)(6), (e)(5) 63.148(b)(3)	Y		Standards for openings in the cover (unless maintained under negative pressure)	63.646(a) 63.120 (d)(6), (e)(5) 63.148(b)(3)	periodic initially & semiannually	visual inspection
HAP	63.646(a) 63.120 (d)(6), (e)(5) 63.148 (b)(1) & (2)	Y		Closed vent system leak tightness standards (< 500 ppmw - unless maintained under negative pressure)	63.646(a) 63.120 (d)(6), (e)(5) 63.148 (b)(1) & (2)	periodic initially & annually	sensory inspection (and, if ductwork, by Method 21)
HAP	63.646(a) 63.120 (d)(6), (e)(5) 63.148(b)(3)	Y		Cover leak tightness standards (unless maintained under negative pressure)	63.646(a) 63.120 (d)(6), (e)(5) 63.148(b)(3)	periodic initially & semiannually	sensory inspection
HAP	63.646(a) 63.120 (d)(6), (e)(5) 63.148(f)	Y		Closed vent systems by-pass line standards (unless maintained under negative pressure)	63.646(a) 63.120 (d)(6), (e)(5) 63.148(f)	periodic every 15 min for flow indicator; monthly for car-seal	visual inspection
VOC		Y		2,000,000 barrels per 12 consecutive month period	BAAQMD Condition # 13605, part 1	P/monthly	Record keeping

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – CC
Cluster 28
Applicable Limits and Compliance Monitoring Requirements
CLOSED VENT SYSTEMS & CONTROL DEVICES
S317 – Tank A-317, S324 – Tank A-324, S431 – Tank A-431, S432 – Tank A-432, S457 – Tank A-457

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
BAAQMD 8-5	**Organic Compounds - STORAGE OF ORGANIC LIQUIDS LIMITS AND MONITORING FOR CVS & CONTROL DEVICES**						
VOC	BAAQMD 8-5-306	Y		Control device standards; includes 95% efficiency requirement	BAAQMD 8-5-603.1	P/A	MOP Volume IV ST-4
VOC	BAAQMD 8-5-328.1	Y		Tank cleaning control by liquid balanceing in which the resulting organic liquid has a TVP is less than 0.5 psia	BAAQMD 8-5-501	P/E	Records
VOC	BAAQMD 8-5-328.1	Y		Tank cleaning control device standards; includes 90% efficiency requirement	BAAQMD 8-5-502 and 8-5-603.2	P/A	Annual source test using MOP, Vol. IV, ST-7
VOC	BAAQMD 8-5-328.1.2	Y		Organic concentration in tank <10,000 ppm as methane after cleaning	BAAQMD 8-5-503	periodic each time emptied & degassed	portable hydrocarbon detector
VOC	BAAQMD 8-5-301	Y		Record of liquids stored and true vapor pressure	BAAQMD 8-5-501.1	periodic initially and upon change of service	records
Refinery MACT	**NESHAP for Petroleum Refineries LIMITS AND MONITORING FOR CONTROL DEVICES**						
HAP	63.646(a) 63.119 (e)(1) & (2)	Y		Control device standards; includes 95% efficiency requirement (or 90% if older than 7/15/94),	63.646(a) 63.120 (d)(5 & BAAQMD Condition #21053 Part 6	P/ every 5 years prior to the Title V Permit Renewal	Source Test
HAP	63.646(a) 63.119 (e)(3)	Y		Limits on hours of planned routine maintenance of the control device	63.646(a) 63.120 (d)(4)	periodic semiannually	reports

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – CC
Cluster 28
Applicable Limits and Compliance Monitoring Requirements
CLOSED VENT SYSTEMS & CONTROL DEVICES
S317 – Tank A-317, S324 – Tank A-324, S431 – Tank A-431, S432 – Tank A-432, S457 – Tank A-457

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
HAP	63.646(a) 63.120 (d)(6), (e)(5) 63.148(b)(3)	Y		Standards for openings in the cover (unless maintained under negative pressure)	63.646(a) 63.120 (d)(6), (e)(5) 63.148(b)(3)	periodic initially & semiannually	visual inspection
HAP	63.646(a) 63.120 (d)(6), (e)(5) 63.148 (b)(1) & (2)	Y		Closed vent system leak tightness standards (< 500 ppmw - unless maintained under negative pressure)	63.646(a) 63.120 (d)(6), (e)(5) 63.148 (b)(1) & (2)	periodic initially & annually	sensory inspection (and, if ductwork, by Method 21)
HAP	63.646(a) 63.120 (d)(6), (e)(5) 63.148(b)(3)	Y		Cover leak tightness standards (unless maintained under negative pressure)	63.646(a) 63.120 (d)(6), (e)(5) 63.148(b)(3)	periodic initially & semiannually	sensory inspection
HAP	63.646(a) 63.120 (d)(6), (e)(5) 63.148(f)	Y		Closed vent systems by-pass line standards (unless maintained under negative pressure)	63.646(a) 63.120 (d)(6), (e)(5) 63.148(f)	periodic every 15 min for flow indicator; monthly for car-seal	visual inspection

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – CD
Cluster 28
Applicable Limits and Compliance Monitoring Requirements
CLOSED VENT SYSTEMS & CONTROL DEVICES
S46 – Tank A-046, S603 – Tank A-603

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
BAAQMD 8-5	**Organic Compounds - STORAGE OF ORGANIC LIQUIDS LIMITS AND MONITORING FOR CVS & CONTROL DEVICES**						
VOC	BAAQMD 8-5-306	Y		Control device standards; includes 95% efficiency requirement	BAAQMD 8-5-603.1	P/A	MOP Volume IV ST-4
VOC	BAAQMD 8-5-328.1	Y		Tank cleaning control by liquid balanceing in which the resulting organic liquid has a TVP is less than 0.5 psia	BAAQMD 8-5-501	P/E	Records
VOC	BAAQMD 8-5-328.1	Y		Tank cleaning control device standards; includes 90% efficiency requirement	BAAQMD 8-5-502 and 8-5-603.2	P/A	Annual source test using MOP, Vol. IV, ST-7
VOC	BAAQMD 8-5-328.1.2	Y		Organic concentration in tank <10,000 ppm as methane after cleaning	BAAQMD 8-5-503	periodic each time emptied & degassed	portable hydrocarbon detector
VOC	BAAQMD 8-5-301	Y		Record of liquids stored and true vapor pressure	BAAQMD 8-5-501.1	periodic initially and upon change of service	records
Refinery MACT	**NESHAP for Petroleum Refineries LIMITS AND MONITORING FOR CONTROL DEVICES**						
HAP	63.646(a) 63.119 (e)(1) & (2)	Y		Control device standards; includes 95% efficiency requirement (or 90% if older than 7/15/94),	63.646(a) 63.120 (d)(5), & BAAQMD Condition #21053 Part 6	P/ every 5 years prior to the Title V Permit Renewal	Source Test
HAP	63.646(a) 63.119 (e)(3)	Y		Limits on hours of planned routine maintenance of the control device	63.646(a) 63.120 (d)(4)	periodic semiannually	reports

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – CD
Cluster 28
Applicable Limits and Compliance Monitoring Requirements
CLOSED VENT SYSTEMS & CONTROL DEVICES
S46 – Tank A-046, S603 – Tank A-603

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
HAP	63.646(a) 63.120 (d)(6), (e)(5) 63.148(b)(3)	Y		Standards for openings in the cover (unless maintained under negative pressure)	63.646(a) 63.120 (d)(6), (e)(5) 63.148(b)(3)	periodic initially & semiannually	visual inspection
HAP	63.646(a) 63.120 (d)(6), (e)(5) 63.148 (b)(1) & (2)	Y		Closed vent system leak tightness standards (< 500 ppmw - unless maintained under negative pressure)	63.646(a) 63.120 (d)(6), (e)(5) 63.148 (b)(1) & (2)	periodic initially & annually	sensory inspection (and, if ductwork, by Method 21)
HAP	63.646(a) 63.120 (d)(6), (e)(5) 63.148(b)(3)	Y		Cover leak tightness standards (unless maintained under negative pressure)	63.646(a) 63.120 (d)(6), (e)(5) 63.148(b)(3)	periodic initially & semiannually	sensory inspection
HAP	63.646(a) 63.120 (d)(6), (e)(5) 63.148(f)	Y		Closed vent systems by-pass line standards (unless maintained under negative pressure)	63.646(a) 63.120 (d)(6), (e)(5) 63.148(f)	periodic every 15 min for flow indicator; monthly for car-seal	visual inspection

Table VII – CXa
Applicable Limits and Compliance Monitoring Requirements
S1508 – Tanks A-906 and A-907 Avon Wharf Slop Oil Tanks

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Throughput	BAAQMD Condition 23486 Part 1	Y		No more than 1,689,000 barrels per consecutive 12 months	BAAQMD Condition 23486, Part 4	P/M	records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - Da
Applicable Limits and Compliance Monitoring Requirements
S1487 TANK 38 FIRE-WATER PUMP DIESEL ENGINE

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-301	Y		~~Ringlemann~~Ringelmann 1 for > 3 minutes in any hour or equivalent opacity	none	N	None
FF	BAAQMD 6-305	Y		Prohibition of nuisance	None	N	None
FP	BAAQMD 6-310	Y		0.15 grain/dscf	none	N	None
Hours of operation	BAAQMD Condition 20672, Part A1	N		up to 100 hour/yr (non-emergency)	BAAQMD Condition 20672, Part A7	C	totalizing meter
Hours of operation	BAAQMD 9-8-330	N		up to 100 hours for reliability testing	BAAQMD 9-8-530	C	totalizing meter
SO2	BAAQMD 9-1-304	Y		Fuel Sulfur Limit 15ppmw	BAAQMD Condition 20672, Part A8	P/E	fuel certification
NOx	BAAQMD Condition 20672, Part A5	Y		NOx limit of 9.65 g/bhp-hr	BAAQMD Condition 20672, Part A9	P/Startup	Startup Source Test
CO	BAAQMD Condition 20672, Part A6	Y		CO limit of 1.71 g/bhp-hr	BAAQMD Condition 20672, Part A9	P/Startup	Startup Source Test

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - Db
Applicable Limits and Compliance Monitoring Requirements
S1488 CANAL FIRE-WATER PUMP DIESEL ENGINE

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-301	Y		~~Ringlemann~~Ringelmann 1 for > 3 minutes in any hour or equivalent opacity	none	N	None
FF	BAAQMD 6-305	Y		Prohibition of nuisance	None	N	None
FP	BAAQMD 6-310	Y		0.15 grain/dscf	none	N	None
Hours of operation	BAAQMD Condition 20672, Part B1	N		up to 100 hour/yr (non-emergency)	BAAQMD Condition 20672, Part B8	C	totalizing meter
Hours of operation	BAAQMD 9-8-330	N		up to 100 hours for reliability testing	BAAQMD 9-8-530	C	totalizing meter
SO2	BAAQMD 9-1-304	Y		Fuel Sulfur Limit 15ppmw	BAAQMD Condition 20672, Part B9	P/E	fuel certification
NOx	BAAQMD Condition 20672, Part B5	Y		NOx limit of 8.0 g/bhp-hr	BAAQMD Condition 20672, Part B10	P/Startup	Startup Source Test
CO	BAAQMD Condition 20672, Part B6	Y		CO limit of 1.15 g/bhp-hr	BAAQMD Condition 20672, Part B10	P/Startup	Startup Source Test
PM10	BAAQMD Condition 20672, Part B7	Y		PM10 limit of 0.22 g/bhp-hr	BAAQMD Condition 20672, Part B10	P/Startup	Startup Source Test

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - Dc
Applicable Limits and Compliance Monitoring Requirements
S56 ON-SHORE FIRE-WATER PUMP DIESEL ENGINE , S57 OFF-SHORE/WHARF FIRE-WATER PUMP DIESEL ENGINE

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-301	Y		~~Ringlemann~~Ringelmann 1 for > 3 minutes in any hour or equivalent opacity	none	N	None
FF	BAAQMD 6-305	Y		Prohibition of nuisance	None	N	None
FP	BAAQMD 6-310	Y		0.15 grain/dscf	none	N	None
Hours of operation	BAAQMD Condition 20672, S56 Part 1 & S57 Part 1	N		up to 100 hour/yr (non-emergency)	BAAQMD Condition 20573, S56 Part 4 & S57 Part 4	C	totalizing meter
Hours of operation	BAAQMD 9-8-330	N		up to 100 hours for reliability testing	BAAQMD 9-8-530	C	totalizing meter

Table VII - Dd
Applicable Limits and Compliance Monitoring Requirements
S1499 NO. 1 PUMP
Station Spare Diesel Pump, S1500 Chem Plant Air Compressor Diesel Engine, S1501 Chem Plant Lorain Crane Diesel Engine, S1502 High Pressure Water Blaster #1 Diesel Engine (200 HP), S1503 High Pressure Water Blaster #2 Diesel Engine (152 HP)

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-301	Y		~~Ringlemann~~Ringelmann 1 for > 3 minutes in any hour or equivalent opacity	none	N	None
FF	BAAQMD 6-305	Y		Prohibition of nuisance	None	N	None

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - Dd
Applicable Limits and Compliance Monitoring Requirements
S1499 NO. 1 PUMP
Station Spare Diesel Pump, S1500 Chem Plant Air Compressor Diesel Engine, S1501 Chem Plant Lorain Crane Diesel Engine, S1502 High Pressure Water Blaster #1 Diesel Engine (200 HP), S1503 High Pressure Water Blaster #2 Diesel Engine (152 HP)

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
FP	BAAQMD 6-310	Y		0.15 grain/dscf	none	N	None

Table VII - De
Applicable Limits and Compliance Monitoring Requirements
Source-specific Applicable Requirements
S1469 EMERGENCY STANDBY DIESEL ENGINE, S1471 EMERGENCY STANDBY DIESEL ENGINE, S1472 EMERGENCY STANDBY DIESEL ENGINE, S1474 EMERGENCY STANDBY DIESEL ENGINE, S1477 EMERGENCY STANDBY DIESEL ENGINE, S1486 EMERGENCY STANDBY DIESEL ENGINE, S1475 PORTABLE EMERGEANCY STANDBY DIESEL ENGINE, S1476 PORTABLE EMERGENCY STANDBY DIESEL ENGINE

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-301	Y		~~Ringlemann~~Ringelmann 1 for > 3 minutes in any hour or equivalent opacity	none	N	None
FF	BAAQMD 6-305	Y		Prohibition of nuisance	None	N	None
FP	BAAQMD 6-310	Y		0.15 grain/dscf	none	N	None
S1469, S1471, S1472, S1474, S1477, S1486							
Hours of operation	BAAQMD Condition 18946 Part 1	N		up to 100 hour/yr (non-emergency)	BAAQMD Condition 18946, Part 4	C	totalizing meter
Hours of operation	BAAQMD 9-8-330	N		up to 100 hours for reliability testing	BAAQMD 9-8-530	C	totalizing meter
S1475 and S1476							

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - De
Applicable Limits and Compliance Monitoring Requirements
Source-specific Applicable Requirements
S1469 EMERGENCY STANDBY DIESEL ENGINE, S1471 EMERGENCY STANDBY DIESEL ENGINE, S1472 EMERGENCY STANDBY DIESEL ENGINE, S1474 EMERGENCY STANDBY DIESEL ENGINE, S1477 EMERGENCY STANDBY DIESEL ENGINE, S1486 EMERGENCY STANDBY DIESEL ENGINE, S1475 PORTABLE EMERGEANCY STANDBY DIESEL ENGINE, S1476 PORTABLE EMERGENCY STANDBY DIESEL ENGINE

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 Condition 18947 Part 5	N		up to 50 hour/yr	BAAQMD Condition 18947, Part 10	P/weekly	records
Fuel Use	BAAQMD Condition 18947 Part 4	N		Consume no more than 1315 gallons of diesel fuel per consecutive 12 month period	BAAQMD Condition 18947, Part 10	P/weekly	records

Table VII - Df
Applicable Limits and Compliance Monitoring Requirements
Source-specific Applicable Requirements
S1025 BULK PLANT BOTTOM LOADING FACILITIES

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	BAAQMD 8-33-301 & BAAQMD Condition #21849, part 11d	Y		Emissions shall not exceed 0.08 ~~0.02~~ lb POC per 1000 gallons of material loaded	BAAQMD Condition #21849, part 12	P/every five years prior to Title V Permit Renewal	Source Test
POC	BAAQMD 8-33-301 & BAAQMD Condition #21849, part 11c	Y		Emissions shall not exceed 0.08 ~~0.02~~ lb POC per 1000 gallons of material loaded	BAAQMD Condition #21849, part 11c	C	Pressure indicator and switch at V-61 knockout pot

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - Df
Applicable Limits and Compliance Monitoring Requirements
Source-specific Applicable Requirements
S1025 BULK PLANT BOTTOM LOADING FACILITIES

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Throughput	BAAQMD Condition #21849, part 9	Y		Throughput shall not exceed 64,457 bbl/day and 18,615K bbl/yr	non BAAQMD Condition #21849, part 12	D	records

Table VII - Dg
Applicable Limits and Compliance Monitoring Requirements
Source-specific Applicable Requirements
S1504 BULK PLANT UNLOADING RACK

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Throughput	BAAQMD Condition #21849, part 13	Y		Throughput shall not exceed 400K bbl/yr	non BAAQMD Condition #21849, part 15	D	records

Table VII – CF
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
POC	BAAQMD Reg. 8-18-301	Y		General equipment leak ≤ 100 ppm	BAAQMD Reg. 8-18-401.2	P/Q	Inspection
POC	BAAQMD Reg. 8-18-302	Y		Valve leak ≤ 100 ppm	BAAQMD Reg. 8-18-401.2	P/Q	Inspection

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – CF
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
POC	BAAQMD Reg. 8-18-303	Y		Pump and compressor leak ≤ 500 ppm	BAAQMD Reg. 8-18-401.2	P/Q	Inspection
POC	BAAQMD Reg. 8-18-304	Y		Connection leak ≤ 100 ppm	BAAQMD Reg. 8-18-401.2e	P/Q	Inspection
POC	BAAQMD Reg. 8-18-305	Y		Pressure relief valve leak ≤ 500 ppm	BAAQMD Reg. 8-18-401.2	P/Q	Inspection
POC	BAAQMD Reg. 8-18-306.1	Y		Valve, pressure relief, pump or compressor must be repaired within 5 years or at the next scheduled turnaround	None	P/E	Inspection
POC	BAAQMD Reg. 8-18-306.2	Y		Awaiting repair Valves ≤ 0.5% Pressure Relief ≤ 1% Pump and Connector ≤ 1%	BAAQMD Reg. 8-18-401.5	P/24 hours	Inspection
POC	BAAQMD Reg. 8-18-306.2	Y		Awaiting repair Valves ≤ 0.5% Pressure Relief ≤ 1% Pump and Connector ≤ 1%	BAAQMD Reg. 8-18-502.4	P/E	records
POC	BAAQMD Reg. 8-18-306.3.2	Y		Mass emissions & non-repairable equipment allowed Valve ≤ 0.1 lb/day & ≤1.0% Pressure Relief ≤ 0.2 lb/day & ≤ 5% Pump and Connector ≤ 0.2 lb/day & ≤ 5%	BAAQMD Reg. 8-18-401.3	P/D	Inspection
POC	BAAQMD Reg. 8-18-306.3.3	Y		Total valve, pressure relief, pump or compressor leaks ≥ 15 lb/day, they must be repaired within 7 days	None	N	

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – CF
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
POC	BAAQMD Reg. 8-18-307	Y		Liquid Leak more than 3 drops/min, unless minimized with 24 hrs & repaired within 7 days	None	P/E	Inspection
POC	BAAQMD Reg.8-28-301	Y		10,000 ppm	8-28-402	P/Q	
POC	BAAQMD Reg.8-28-303	N		Vent Pressure Relief Devices to an Abatement Device with at least 95% by weight control efficiency or Meet Prevention Measures Procedures	8-28-405	P/turn-around	
POC	BAAQMD Reg.8-28-304	N		PHA within 90 days and meet Prevention Measures Procedures. After 2nd release Vent Pressure Relief Devices to an Abatement Device with at least 95% by weight control efficiency.	8-28-405	P/release per 5 calendar year	
40 CFR 60; Subpart QQQ							
POC	60.692-2 (a)(2)	Y		adequate water seal level in active drains	60.692-2 (a)(2)	P/M	Visual inspection
	60.692-2 (a)(3)	Y		adequate water seal level in inactive drains	60.692-2 (a)(3)	P/W	Visual inspection
	60.692-2 (b)(2)	Y		Tight seals at junction boxes	60.692-2 (b)(3)	P/SA	Visual inspection
	60.692-2 (c)(2)	Y		No cracks, gaps, or problems in sewer lines	60.692-2 (b)(2)	P/SA	Visual inspection
POC	60.692-5 (e)(1)	Y		Closed-vent systems <500 ppm above background	60.692-5 (e)(1)	P/semi annual	Measure for leaks

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – CF
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
POC	60.692-5 (a)	Y		Closed-vent systems using combustion devices shall have 0.75 seconds residence and minimum temp of 816C	60.692-5 (e)(5)	P/E	Repair after emissions are detected within 30 days
POC	60.692-5 (a)	Y		Combustion devices ≥ 95% destruction efficiency or ≥ 0.75 seconds and ≥ 816°C		C	Continuous temperature monitoring
POC	60.692-5 (a)	Y		Combustion devices ≥ 95% destruction efficiency or ≥ 0.75 seconds and ≥ 816°C		C	flowrate
POC	60.692-5 (b)	Y		Vapor recovery greater than or equal to 95%	60.695(a)(1)	C	CEM for temperature
40 CFR 60; Subpart VV							
VOC	NSPS Subpart VV 60.482-2 (b)(1)	Y		Light liquid service pump leak ≤ 10,000 ppm	NSPS Subpart VV 60.482-2 (a)(1), (c), 60.482-9(a), (b), (d) 60.485(a), (b) 60.486(a), (b), (c), (e) and 60.487(a) and (c)	P/M	Measure for leaks and repair
VOC	NSPS Subpart VV 60.482-3 (e)(2) and (f)	Y		Compressor sensor shall detect failure of seal system, barrier fluid system, or both based on criterion established in 60.482-3(e)(2).	NSPS Subpart VV 60.482-3 (e)(1), (g), 60.482-9(a), (b), 60.486(a), (b), (c), (e) (h), and 60.487(a) and (c)	P/C or P/D	Sensor with audible alarm or checked daily. Repair system.

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – CF
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	NSPS Subpart VV 60.482-4(a)	Y		Except during pressure release, pressure relief device (gas/vapor service) must operate at no detectable emissions (≤500 ppm)	NSPS Subpart VV 60.482-4 (b)(2), 60.482-9(a), (b), 60.485(a), (b), 60.486(a), (e) and 60.487(a) and (c)	P/E	Measure for leaks within 5 days after release using Method 21
VOC	NSPS Subpart VV 60.482-4 (b)(1)	Y		After each pressure release, pressure release device shall be returned to a condition of no detectable emissions (≤500 ppm) within 5 calendar days after pressure release	NSPS Subpart VV 60.482-4 (b)(2), 60.482-9(a), (b), 60.485(a), (b), 60.486(a), (e) and 60.487(a) and (c)	P/E	Measure for leaks within 5 days after release using Method 21
VOC	NSPS Subpart VV 60.482-7(b)	Y		Valve leak > 10,000 ppm	NSPS Subpart VV 60.482-7(a), (c), (d), (e), 60.482-9(a), (b), (c), (e), 60.483-2, 60.485 (a),(b), 60.486 (a), (b), (c), (e), (f) and 60.487(a) and (c)	P/M or Q	Measure for leaks and repair
VOC	60.482-2 (b)(2)	Y		Pump leak Indicated by dripping liquid	60.482-2 (a)(2)	P/W	Visual Inspection
VOC	60.482-2(e)	Y		Designated "No detectable emissions" ≤ 500 ppm	60.482-2(e)(3)	P/A	Measure for leaks
VOC	60.482-7(f)	Y		Designated "No detectable emissions" ≤ 500 ppm	60.482-7 (f)(3)	P/A	Measure for leaks

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – CF
Applicable Limits and Compliance Monitoring Requirements
COMPONENTS

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	60.482-8(a)	Y		Pumps and valves in heavy liquid service, Pressure Relief devices (light or heavy liquid), Flanges, Connectors leak shall be measured for leak in 5 days if detected by inspection	60.482-8(a)	P/E	Visible, Audible, or olfactory Inspection
VOC	60.482-8(a)	Y		Pumps and valves in heavy liquid service, Pressure Relief devices (light or heavy liquid), Flanges, Connectors leak shall be measured for leak in 5 days if detected by inspection	60.486-(c)	P/E	records
VOC	60.482-8 (b)	Y		Pump leak ≥ 10,000 ppm	60.482-8 (a)	P/5 days	Visual, audible, olfactory Inspection; Measure for leaks
VOC	60.482-8(b)	Y		Pressure Relief devices (liquid), Flanges, Connectors leak ≥ 10,000 ppm	60.482-8(a)	P/E	Measure for leaks
VOC	60.482-10 (b)	Y		Closed-vent systems and control devices: Vapor recovery systems ≥ 95%		C	Continutous temperature monitoring
VOC	60.482-10 (c)	Y		Combustion devices ≥ 95% destruction efficiency or ≥ 0.75 seconds and ≥ 816°C		C	Continuous temperature monitoring
VOC	60.482-10 (c)	Y		Combustion devices ≥ 95% destruction efficiency or ≥ 0.75 seconds and ≥ 816°C		C	flowrate

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – CF
Applicable Limits and Compliance Monitoring Requirements
COMPONENTS

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	60.482-10 (g)	Y		Closed-vent systems leak ≥ 500 ppm and visible leak indication	60.482-10 (f)	P/E	Measure for leaks; Visual Inspection
VOC VOC	60.482-10 (g) 60.483 and BAAQMD 8-18-404.1	Y Y		Closed-vent systems leak ≥ 500 ppm and visible leak indication Individual valve that measures <100 ppm for 5 consecutive quarters may be monitored annually, if in a process unit with 5 consecutive quarters <2% valves leaking ≥10,000 ppm.	60.486(e)	P/E P/Q P/A	records Measure for leaks
40 CFR 61; Subpart FF							
POC	61.349 (a)(1)(i)	Y		Closed-vent systems <500 ppm above background	61.349 (a)(1)(i)	P/A	Measure for leaks
POC	61.354 (f)	Y		Closed-vent bypass lines must be closed and vapors routed to the control device	61.354 (f)	P/A	Visual Inspection
40 CFR 61; Subpart V							
POC	61.242-2 (b)(1)	Y		Pump leak ≥ 10,000 ppm	61.242-2 (a)(1)	P/M	Measure for leaks
POC	61.242-2 (b)(2)	Y		Pump leak Indicated by dripping liquid	61.242-2 (a)(2)	P/W	Visual Inspection
POC	61.242-2(e)	Y		Designated "No detectable emissions" ≤ 500 ppm	61.242-2(e)(3)	P/A	Measure for leaks
POC	61.242-2 (g)	Y		Pump leak Indicated by dripping liquid at unmanned sites	61.242-2 (g)	P/M	Visual Inspection
POC	61.242-10 (d)	Y		Pumps under "Delay of repair" repaired within 6 months		N	

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – CF
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
POC	61.242-3	Y		Compressor shall have a sensor to detect failure of seal system, barrier fluid system, or both.	61.242-3 (e)(1)	C	Sensor with audible alarm or checked daily
POC	61.242-4(a)	Y		Pressure relief valve (gas/vapor) leak ≥ 500 ppm		N	
POC	61.242-4(b)	Y		Pressure relief valve (gas/vapor) leak ≥ 500 ppm within 5 days after a pressure release event		P/E	Measure for leaks
POC	61.242-7(b)	Y		Valve leak ≥ 10,000 ppm	61.242-7(a)	P/M	Measure for leaks
POC	61.242-7(b)	Y		Valve leak ≥ 10,000 ppm; 2 successive months w/o leaking	61.242-7(c)	P/Q	Measure for leaks
POC	61.242-7(f)	Y		Designated "No detectable emissions" ≤ 500 ppm	61.242-7 (f)(3)	P/A	Measure for leaks
POC	61.242-8(a)	Y		Pressure Relief devices (liquid), Flanges, Connectors leak shall be measured for leak in 5 days if detected by inspection	61.242-8(a)	P/E	Visible, Audible, or olfactory Inspection
POC	61.242-8(a)	Y		Pressure Relief devices (liquid), Flanges, Connectors leak shall be measured for leak in 5 days if detected by inspection	61.242-8(c)	P/E	records
POC	61.242-8(b)	Y		Pressure Relief devices (liquid), Flanges, Connectors leak ≥ 10,000 ppm	61.242-8(a)	P/E	Measure for leaks

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – CF
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
POC	61.242-11 (b)	Y		Closed-vent systems and control devices: Vapor recovery systems ≥ 95%		C	Continutous temperature monitoring
POC	61.242-11 (c)	Y		Combustion devices ≥ 95% destruction efficiency or ≥ 0.50 seconds and ≥ 760°C		C	Continuous temperature monitoring
POC	61.482-11 (c)	Y		Combustion devices ≥ 95% destruction efficiency or ≥ 0.50 seconds and ≥ 760°C		C	flowrate
POC	61.242-11 (g)	Y		Closed-vent systems leak ≥ 500 ppm and visible leak indication	61.242-11 (g)	P/A/E	Measure for leaks and Visual Inspection
POC	61.242-11 (g)	Y		Closed-vent systems leak ≥ 500 ppm and visible leak indication	61.246 (e)	P/A/E	records
POC	61.243 and BAAQMD 8-18-404.1	Y		Individual valve that measures <100 ppm for 5 consecutive quarters may be monitored annually, if in a process unit with 5 consecutive quarters <2% valves leaking ≥10,000 ppm.		P/Q P/A	Measure for leaks

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – XX1
Applicable Limits and Compliance Monitoring Requirements
DELAYED COKER (S1510) WITH 4 COKE DRUMS AND ASSOCIATED EQUIPMENT

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-301	Y		Ringelmann No. 1 except for 3 minutes in every consecutive 60 minute period	None	N	NA
PM	BAAQMD 6-305	Y		prohibition of nuisance fallout	None	N	NA
FP	BAAQMD 6-310	Y		0.15 grain/dscf	None	N	NA
FP	BAAQMD 6-311	Y		4.10 $P^{0.67}$ lb/hr particulate, where P is process weight rate in ton/hr	None	N	NA
Throughput	Condition #23129, Part 3	Y		53,200 bbls/day	Condition #23129, Part 8a	P/D	Records
Throughput	Condition #23129, Part 3	Y		17,447,000 bbls/consecutive 12-mont period	Condition #23129, Part 8b	P/M	Records

Table VII – XX2
Applicable Limits and Compliance Monitoring Requirements
DELAYED COKER HEATERS
ABATED BY SELECTIVE CATALYTIC REDUCTION SYSTEMS
S-1511 (HEATER #1 ABATED BY A-1511)
S-1512 (HEATER #2 ABATED BY A-1512)

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-301	Y		Ringelmann No. 1 except for 3 minutes in every consecutive 60 minute period	None	N	NA

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – XX2
Applicable Limits and Compliance Monitoring Requirements
DELAYED COKER HEATERS
ABATED BY SELECTIVE CATALYTIC REDUCTION SYSTEMS
S-1511 (HEATER #1 ABATED BY A-1511)
S-1512 (HEATER #2 ABATED BY A-1512)

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
PM	BAAQMD 6-305	Y		prohibition of nuisance fallout	None	N	NA
FP	BAAQMD 6-310	Y		0.15 grain/dscf	None	N	NA
FP	BAAQMD 6-311	Y		4.10 $P^{0.67}$ lb/hr particulate, where P is process weight rate in ton/hr	None	N	NA
TRS	Condition #23129, Part 11	Y		100 ppmv TRS in fuel gas (24 hour average)	Condition #23129, Part 19	C	CEM
TRS	Condition #23129, Part 11	Y		100 ppmv TRS in fuel gas (24 hour average)	Condition #23129, Part 26	P/E	Initial source test
TRS	Condition #23129, Part 11	Y		35 ppmv in fuel gas (365 day average)	Condition #23129, Part 19	C	CEM
Total Sulfur	Condition #23129, Part 15	Y		1.0 gr/100 scf in natural gas	Condition #23129, Parts 15 & 16	None	Records
SAM	Condition #23129, Part 17 BAAQMD 2-2-306	Y		38 lb/day (annual average)	Condition #23129, Part 26	P/E	Initial source test
H2S	Condition #23129, Part 18 40 CFR 60.104(a)(1)	Y		0.10 gr/dscf or 163 ppmvd (3-hour average) in fuel gas	Condition #23129, Part 19 40 CFR 60.105(a)(4)	C	CEM
NOx	Condition #23129, Part 12	Y		7 ppmvd NOx (calculated as NO_2) @ 3% O_2 (3-hour average)	Condition #23129, Part 21	C	CEM
NOx	Condition #23129, Part 12	Y		7 ppmvd NOx (calculated as NO_2) @ 3% O_2 (3-hour average)	Condition #23129, Part 26	P/E	Initial source test

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – XX2
Applicable Limits and Compliance Monitoring Requirements
DELAYED COKER HEATERS
ABATED BY SELECTIVE CATALYTIC REDUCTION SYSTEMS
S-1511 (HEATER #1 ABATED BY A-1511)
S-1512 (HEATER #2 ABATED BY A-1512)

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
NOx	Condition #23129, Part 12a	Y		50 ppmvd NOx (calculated as NO_2) @ 3% O_2 (3-hour average) During Startup, Shutdown, Malfunctions not to exceed 144 hours in consecutive 12 months	Condition #23129, Part 21	C	CEM
CO	Condition #23129, Part 12	Y		35 ppmvd CO @ 3% O_2 (3-hour average)	Condition #23129, Part 22	C	CEM
CO	Condition #23129, Part 12	Y		35 ppmvd CO @ 3% O_2 (3-hour average)	Condition #23129, Part 26	P/E	Initial source test
CO	Condition #23129, Part 12a	Y		400 ppmvd CO @ 3% O_2 (3-hour average) During Startup, Shutdown, Malfunctions not to exceed 144 hours in consecutive 12 months	Condition #23129, Part 22	C	CEM
CO	Condition #23129, Part 12b	Y		50 ppmvd CO @ 3% O_2 (3-hour average) For 100 days per consecutive 12 month period	Condition #23129, Part 22	C	CEM
O2	None			No limit	Condition #23129, Part 23	C	CEM
Ammonia	Condition #23129, Part 13	Y		10 ppmvd @ 3% O_2 (3 hour average)	Condition #23129, Part 26	P/E	Initial Source Test
Throughput	Condition #23129, Part 14	Y		2,014,800 MMBtu/year	Condition #23129, Parts 24 & 25	C	Fuel flow meter and calorimeter

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – XX3
Applicable Limits and Compliance Monitoring Requirements
COKER SCREEN/CRUSHER (S-1513) & CONVEYORS & DEWATERING PAD

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-301	Y		Ringelmann No. 1 except for 3 minutes in every consecutive 60 minute period	None	N	NA
PM	BAAQMD 6-305	Y		prohibition of nuisance fallout	None	N	NA
FP	BAAQMD 6-310	Y		0.15 grain/dscf	None	N	NA
FP	BAAQMD 6-311	Y		4.10 $P^{0.67}$ lb/hr particulate, where P is process weight rate in ton/hr	None	N	NA
Moisture	Condition #23129, Part 30	Y		Coke moisture >= 5% (wt)	Condition #23129, Part 36	P/E	Initial source test
Throughput	Condition #23129, Part 29	Y		1,277,500 wet tons per consecutive 12 months	Condition #23129, Part 37	P/M	Records
Visible emissions		Y			Condition #23129, Part 34	P/D	Visual Inspection

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – XX4
Applicable Limits and Compliance Monitoring Requirements
COKE SILOS ABATED BY BAGHOUSES
S-1514 (SILO #1 ABATED BY A-1514)
S-1515 (SILO #2 ABATED BY A-1515)

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-301	Y		Ringelmann No. 1 except for 3 minutes in every consecutive 60 minute period	None	N	NA
PM	BAAQMD 6-305	Y		prohibition of nuisance fallout	None	N	NA
FP	BAAQMD 6-310	Y		0.15 grain/dscf	None	N	NA
FP	BAAQMD 6-311	Y		$4.10\ P^{0.67}$ lb/hr particulate, where P is process weight rate in ton/hr	None	N	NA
PM	Condition #23129, Part 39	Y		0.01 gr/dscf	None	N	NA
Throughput	Condition #23129, Part 41	Y		4,200 scfm exhaust air flow (each abatement device)	Condition #23129, Part 42	P/M	Records

Table VII – XX5
Applicable Limits and Compliance Monitoring Requirements
COKER TRUCK LOADOUT (S-1516)

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-301	Y		Ringelmann No. 1 except for 3 minutes in every consecutive 60 minute period	None	N	NA

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – XX5
Applicable Limits and Compliance Monitoring Requirements
COKER TRUCK LOADOUT (S-1516)

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
PM	BAAQMD 6-305	Y		prohibition of nuisance fallout	None	N	NA
FP	BAAQMD 6-310	Y		0.15 grain/dscf	None	N	NA
FP	BAAQMD 6-311	Y		4.10 $P^{0.67}$ lb/hr particulate, where P is process weight rate in ton/hr	None	N	NA
Throughput	Condition #23129, Part 44	Y		1,277,500 wet tons per consecutive 12 months	Condition #23129, Part 49	P/D P/M	Records

Table VII – XX6
Applicable Limits and Compliance Monitoring Requirements
COKER FLARE (S-1517)

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC, HAP	None	N		No Limit	BAAQMD 12-11-501 & 12-11-505	C	Vent Gas Flow Rate
VOC, HAP	None	N		No Limit	BAAQMD 12-11-502.1 & 12-11-505	P/E	Vent Gas Composition
VOC, HAP	None	N		No Limit	BAAQMD 12-11-502.3 & 12-11-505	P/E	Vent Gas Composition
VOC, HAP	None	N		No Limit	BAAQMD 12-11-503 & 12-11-505	C	Pilot Flame Detector
VOC, HAP	None	N		No Limit	BAAQMD 12-11-504 & 12-11-505	C	Purge Gas Flow Rate

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – XX6
Applicable Limits and Compliance Monitoring Requirements
COKER FLARE (S-1517)

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC, HAP	None	N		No Limit	BAAQMD 12-11-504 & 12-11-505	C	Pilot Gas Flow Rate
VOC, HAP	None	N		No Limit	BAAQMD 12-11-507	C	1 frame per minute image video recording
H2S	None	N		No Limit	BAAQMD 12-11-502.1 & 12-11-505 & BAAQMD Condition 23129, Part 44	C	CEM
H2S	None	N		No Limit	BAAQMD 12-11-502.3 & 12-11-505 & BAAQMD Condition 23129, Part 44	C	CEM
Opacity	BAAQMD 6-301	Y		Ringelmann No. 1	BAAQMD Condition 19528, Parts 11B, 11C, 11D, and 11E	P/E	Gas Flow Meter along with Visual Inspection and Records
FP	None	N			BAAQMD 12-12-501	C	Water seal pressure and water level
FP	BAAQMD 6-305	Y		prohibition of nuisance fallout	BAAQMD Condition 19528, Parts 11B, 11C, 11D, and 11E	P/E	Gas Flow Meter along with Visual Inspection and Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – XX6
Applicable Limits and Compliance Monitoring Requirements
COKER FLARE (S-1517)

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
FP	BAAQMD 6-310	Y		Process Weight Limitation	BAAQMD Condition 19528, Parts 11B, 11C, 11D, and 11E	P/E	Gas Flow Meter along with Visual Inspection and Records
POC	Condition #23129, Part 52	Y		98.5% POC destruction efficiency	None	N	NA
Through put	Condition #23129, Part 53	Y		1,314,000 scf natural gas to flare pilots per consecutive 12-months	Condition #23129, Part 57	P/M	Records
Through put	Condition #23129, Part 56	Y		8,584,8000 scf natural gas to flare purge per consecutive 12-months	Condition #23129, Part 57	P/M	Records

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 1-604	Opacity Measurements	Manual of Procedures, Volume V, Continuous Emissions Monitoring
BAAQMD 6-301	Ringelmann No. 1 Limitation	Manual of Procedures, Volume I, Evaluation of Visible Emissions
BAAQMD 6-302	Opacity Limit	Manual of Procedures, Volume V, Continuous Emission Monitoring
BAAQMD 6-304	Tube Cleaning	Manual of Procedures, Volume I, Evaluation of Visible Emissions
BAAQMD 6-310	Particulate Weight Limitation	Manual of Procedures, Volume IV, ST-15, Particulates Sampling or EPA Method 5, Determination of Particulate Emissions from Stationary Sources
BAAQMD 6-311	General Operations	Manual of Procedures, Volume IV, ST-15, Particulates Sampling or EPA Method 5, Determination of Particulate Emissions from Stationary Sources
BAAQMD Regulation 8-2-301	Miscellaneous Operation Emission Limit	Manual of Procedures, Volume IV, ST-7; or EPA Method 25 or 25A
BAAQMD Regulation 8-5-304	True Vapor Pressure	Manual of Procedures, Volume III, Lab Method 28, Determination of Vapor Pressure of Organic Liquids from Storage Tanks, if organic compound is not listed in Table I
BAAQMD Regulation 8-5-328.2	VOC emissions for tank cleaning	Manual of Procedures, Volume IV, ST-7, Non-Methane Organic Carbon Sampling
BAAQMD Regulation 8-5-320.3	Pressure vacuum leak concentration	EPA Reference Method 21, Determination of Volatile Organic Compounds Leaks
BAAQMD 8-5-601	Reid Vapor Pressure	Manual of Procedures, Volume III, Lab Method 13, Determination of the Reid Vapor Pressure of Petroleum Products
BAAQMD 8-5-602	True Vapor Pressure	Manual of Procedures, Volume III, Lab Method 28, Determination of Vapor Pressure of Organic Liquids from Storage Tanks

VIII. Test Methods

Table VIII
Test Methods

Applicable Requirement	Description of Requirement	Acceptable Test Methods
BAAQMD 8-5-603	Determination of Emissions	Manual of Procedures, Volume IV, ST-34, Bulk and Marine Loading Terminals Vapor Recovery Units; ST-7 Organic compounds
BAAQMD 8-5-605	Pressure-Vacuum Valve Gas Tight Determination	EPA Reference Method 21, Determination of Volatile Organic Compounds Leaks
BAAQMD 8-6-502	Portable Hydrocarbon Detector	EPA Reference Method 21 (40 CFR 60, Appendix A)
BAAQMD 8-6-601	Efficiency and Rate Determination	Manual of Procedures, Volume IV, ST-3 or ST-34
BAAQMD 8-6-603	Analysis of Samples, True Vapor Pressure	Manual of Procedures, Volume III, Method 28
BAAQMD 8-6-604	Determination of Applicability	EPA-450/3-87-026 (Exhibit A-2 in Appendix A or Appendix D), or Standard reference texts, or for liquid mixtures, use Raoult's Law of Partial Pressures as defined in Section 8-6-205 or ASTM Method D 2879-83
BAAQMD 8-7-301	Phase I Vapor Recovery Requirements	Manual of Procedures, Volume IV, ST-30, Gasoline Vapor Recovery Leak Test Procedure; and ST-36, Gasoline Dispensing Facility Phase I Volumetric Efficiency
BAAQMD 8-7-302	Phase II Vapor Recovery Requirements	Manual of Procedures, Volume IV, ST-30, Vapor Tightness; ST-37, Liquid Removal; and ST-41, Liquid Retain and Spitting from Nozzles
BAAQMD Regulation 8-8-301, 302	Vapor tight cover	EPA Reference Method 21, Determination of Volatile Organic Compounds Leaks
8-8-504	Portable Hydrocarbon Detector	A gas detector that meets the specifications and performance criteria of and has been calibrated in accordance with EPA Reference Method 21 (40 CFR 60, Appendix A)
BAAQMD 8-8-601	Wastewater Analysis for Organic Compounds	Manual of Procedures, Volume III, Lab Method 33, Determination of Dissolved Critical Volatile Organic Compounds in Wastewater Separators
8-8-602	Determination of Emissions	Emissions of POCs, as specified in Sections 8-8-301.3, 8-8-302.3, 8-8-304, 8-8-305.2, 8-8-306.2, and 8-8-307.2 shall be measured by as prescribed by any of the following methods: 1). BAAQMD MOP, Volume IV, ST-7 or; 2). EPA Method 25 or 25(A).

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Table VIII
Test Methods

Applicable Requirement	Description of Requirement	Acceptable Test Methods
8-8-603	Inspection Procedures	For the purposes of 8-8-301, 302, 303, and 304, leaks shall be measured using a portable gas detector as prescribed in EPA Reference Method 21 (40 CFR 60, Appendix A)
BAAQMD Regulation 8-18-301, 8-18-302, 8-18-303, 8-18-304, 8-18-305	Leak inspection procedures	EPA reference method 21 (40 CFR 60, Appendix A), Determination of Volatile Organic Compound Leaks
BAAQMD Regulation 8-18-306	Determination of mass emissions	EPA Protocol for equipment leak emission estimates, Chapter 4, Mass Emission Sampling, (EPAA-453/R-95-017) November 1995
BAAQMD Regulation 8-33-301	Emission rate determination	Manual of Procedures, Volume IV, ST-34, Bulk Gasoline Distribution Facilities Vapor Recovery Units
BAAQMD Regulation 8-33-305	Vapor tight – delivery vehicles	Manual of Procedures, Volume IV, ST-33, Ethanol, Integrated Sampling
BAAQMD Regulation 8-33-309	Vapor recovery system – loading racks	Manual of Procedures, Volume IV, ST-34, Bulk and Marine Loading Terminals Vapor Recovery Units
BAAQMD 8-33-601	Emission Rate Determination (Vapor Processing System)	Manual of Procedures, Volume IV, ST-34, Bulk and Marine Loading Terminals Vapor Recovery Units
BAAQMD 8-33-602	Emission Rate Determination (Vapor Balance System)	Manual of Procedures, Volume IV, ST-3, Bulk Plants Emission Factor Determination
BAAQMD 8-33-603	Vapor Recovery System Loading Pressure	Manual of Procedures, Volume IV, ST-34, Bulk and Marine Loading Terminals Vapor Recovery Units
BAAQMD 8-33-604	Vapor Tight – Delivery Vehicles	Manual of Procedures, Volume IV, ST-33, Gasoline Cargo Tanks
BAAQMD 8-33-605	Analysis of Samples	Manual of Procedures, Volume III, Lab Method 13, Determination of the Reid Vapor Pressure of Petroleum Products
BAAQMD 8-44-301	POC emission rate limitation during vessel loading	Manual of Procedures, Volume IV, ST-4, Bulk Gasoline Distribution facilities and ST-34, Bulk Marine Loading Terminals, Vapor Recovery Units

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Test Methods

Applicable Requirement	Description of Requirement	Acceptable Test Methods
BAAQMD 8-44-304.1	Tank vessel is leak free and gas tight	EPA Method 21
BAAQMD 8-46-301	POC emission rate limitation during vessel loading	Manual of Procedures, Volume IV, ST-4, Bulk Gasoline Distribution facilities and ST-34, Bulk Marine Loading Terminals, Vapor Recovery Units
BAAQMD 8-46-304.1	Tank vessel is leak free and gas tight	EPA Method 21
9-1-301	Ground Level Monitoring	Manual of Procedures, Volume VI, Section 1, Area Monitoring
9-1-302	General Emission Limitation	Manual of Procedures, Volume IV, ST-19A, Sulfur Dioxide, Continuous Sampling, or ST-19B, Total Sulfur Oxides Integrated Sample
9-1-304	Fuel Burning (Liquid and Solid Fuels)	Manual of Procedures, Volume III, Method 10, Determination of Sulfur in Fuel Oils.
9-2-301	Ground Level Monitoring	Manual of Procedures, Volume VI, Section 1, Area Monitoring
9-1-501, 9-1-502, 9-2-501	Continuous Monitoring	Manual of Procedures, Volume V, Continuous Monitoring
BAAQMD 9-1-310.1	Emission Limitations for Fluid Catalytic Cracking Units, Fluid Cokers, and Coke Calcining Unit	Manual of Procedures, Volume IV, ST-19A, Sulfur Dioxide, Continuous Sampling, or ST-19B, Total Sulfur Oxides Integrated Sample
9-1-313	NH3 and H2S abatement efficiency	Manual of Procedures, Volume III, Method 32, Determination of H2S in Process Water Streams Manual of Procedures, Volume III, Method 1, Determination of NH3 in Effluents
BAAQMD 9-1-313.1	Sulfur in Fuel Limitation	Manual of Procedures, Volume III, Method 10, Determination of Sulfur in Fuel Oils.
BAAQMD 9-1-313.2	Sulfur Removal and Recovery	Manual of Procedures, Volume III, Method 32, Determination of Hydrogen Sulfide in Process Water Streams and Method 1, Determination of Ammonia in Effluents
BAAQMD 9-10-301, 303, 304	Determination of Nitrogen Oxides	Manual of Procedures Volume V Continuous Emissions Monitoring or Equivalent Verification System (CEMS verified by Manual of Procedures, Volume IV ST-13A and ST-14 Source Test)
BAAQMD 9-10-305	Determination of Carbon Monoxide and Stack-Gas Oxygen	Manual of Procedures Volume V Continuous Emissions Monitoring or Equivalent Verification System (CEMS verified by Manual of Procedures, Volume IV ST-6 and ST-14 Source Test)

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Test Methods

Applicable Requirement	Description of Requirement	Acceptable Test Methods
BAAQMD Regulation 12-6-301	Acid Mist Emission Point	40 CFR 60, Appendix a, Method 8
40 CFR 60 Subpart J 60.102(a)(1)	Limit on particulate matter from FCCU catalyst regenerator	Method 5B, Determination of Nonsulfuric Acid Particulate Matter from Stationary Sources or Method 5F, Determination of Nonsulfate Acid Particulate Matter from Stationary Sources
40 CFR 60 Subpart J 60.102(a)(2)	Limit on opacity of gases from FCCU catalyst regenerator	Method 9, Visual Determination of Opacity from Stationary Sources
40 CFR 60 Subpart J 60.102(b)	Limit on particulate matter from FCCU catalyst regenerator when gases pass through incinerator or waste heat boiler burning auxiliary or supplemental fuel	Method 5B, Determination of Nonsulfuric Acid Particulate Matter from Stationary Sources or Method 5F, Determination of Nonsulfate Acid Particulate Matter from Stationary Sources
40 CFR 60 Subpart J 60.103(a)	Limit on carbon monoxide from FCCU catalyst regenerator	Method 10, Determination of Carbon Monoxide from Stationary Sources
40 CFR 60 Subpart J 60.104(a)(1)	Limit on H2S in fuel gas for fuel gas combustion devices	Method 11, Determination of Hydrogen Sulfide Content of Fuel Gas Streams in Petroleum Refineries
40 CFR 60 Subpart J 60.104(a)(2)(i)	Limit on sulfur oxide from Claus sulfur recovery plant (corrected for oxygen)	Method 6 or 6C, Determination of sulfur dioxide emissions from stationary sources Method 3 or 3A, Determination of Oxygen and Carbon Dioxide Concentrations in Emissions From Stationary Sources
40 CFR 60 Subpart J 60.104(a)(4)(iii)	H2S CEMS performance test methods	Performance evaluations for this H_2S monitor under §60.13(c) shall use Performance Specification 7. Method 11, 15, 15A, or 16 shall be used for conducting the relative accuracy evaluations.
40 CFR 60 Subpart J 60.104(b)(2)	Limit on sulfur oxide from FCCU catalyst regenerator without add-on control device	Method 6, Determination of Sulfur Oxides from Stationary Sources Alternate Monitoring Plan as allowed under 40 CFR 60.105(i)(12)
40 CFR 60 Subpart J 60.106(e)	H2S concentration monitoring	Method 11, Determination of Hydrogen Sulfide

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Table VIII
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Applicable Requirement	Description of Requirement	Acceptable Test Methods
40 CFR 60 Subpart J 60.106(e)(1)	H2S in fuel gas standard compliance determination	Method 11, 15, 15A, or 16 shall be used to determine the H2S concentration. The gases entering the sampling train should be at about atmospheric pressure. If the pressure in the refinery fuel gas lines is relatively high, a flow control valve may be used to reduce the pressure. If the line pressure is high enough to operate the sampling train without a vacuum pump, the pump may be eliminated from the sampling train. The sample shall be drawn from a point near the centroid of the fuel gas line. (i) For Method 11, the sampling time and sample volume shall be at least 10 minutes and 0.010 dscm (0.35 dscf). Two samples of equal sampling times shall be taken at about 1-hour intervals. The arithmetic average of these two samples shall constitute a run. For most fuel gases, sampling times exceeding 20 minutes may result in depletion of the collection solution, although fuel gases containing low concentrations of H2S may necessitate sampling for longer periods of time. (ii) For Method 15 or 16, at least three injects over a 1-hour period shall constitute a run. (iii) For Method 15A, a 1-hour sample shall constitute a run.
NSPS Title 40 Part 60 Appendix B	**Performance Specifications**	
Performance Specification 1	Continuous opacity monitoring systems	Method 9, Visual Determination of Opacity from Stationary Sources
Performance Specification 2	NOx and SO2 continuous emission monitoring systems	Method 7, Determination of nitrogen oxide emissions from stationary sources Method 6, Determination of sulfur dioxide emissions from stationary sources
Performance Specification 3	O2 and CO2 continuous emission monitoring systems	Method 3, Gas analysis for the determination of emission rate correction factor or excess air
Performance Specification 4	CO continuous emission monitoring systems	Method 10, Determination of carbon monixide emissions from stationary sources

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Applicable Requirement	Description of Requirement	Acceptable Test Methods
Performance Specification 7	H2S continuous emission monitoring systems	Method 11, Determination of Hydrogen Sulfide
NSPS Title 40 Part 60 Appendix F	**Quality Assurance Procedures**	
Procedure 1	QA requirements for gas continuous emissions monitoring systems	
40 CFR 63 Subpart UUU 63.1564(b)(1) 63.1572 Table 40	Test Methods for COMS (continuous opacity monitoring system)	NSPS Requirements: Performance Specification 1 (40 CFR 60, Appendix B)
40 CFR 63 Subpart UUU 63.1565(b)(1) 63.1572 Table 40	Test Methods for CO CEMS	NSPS Requirements except as allowed by Consent Decree: Performance Specification 4 (40 CFR 60, Appendix B); span value of 1,000 ppm; Procedure 1 (40 CFR 60, Appendix F), with Consent Decree exceptions for quarterly audits
40 CFR 63 Subpart UUU 63.1566(b)(2)	Performance Test for Organic HAP Emissions From Catalytic Reforming Units	Method 22 (40 CFR 60, Sppendix A)
40 CFR 63 Subpart UUU 63.1567(b)(2)	Performance Test for Inorganic HAP (HCl) Emissions From Catalytic Reforming Units	Method 26 or 26A (40 CFR 60, Appendix A)
40 CFR 63 Subpart UUU 63.1568(b)(1) 63.1572 Table 40	Test Methods for SO2 CEMS for sulfur recovery unit (must include O2 monitor for correcting for excess air)	NSPS Requirements: Performance Specification 2 (40 CFR 60, Appendix B); span value of 500 ppm SO2; Methods 6 or 6C and 3A or 3 B (40 CFR 60, Appendix A); Procedure 1 (40 CFR 60, Appendix F)
NSPS Part 60 Subpart QQQ	**Standards of Performance for VOC Emission From Petroleum Refinery Wastewater Systems (11/23/88)**	

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Applicable Requirement	Description of Requirement	Acceptable Test Methods
40 CFR, Subpart QQQ	Leak inspection procedures 60 Subpart QQQ, 60.696:	EPA reference method 21 (40 CFR 60, Appendix A), Determination of Volatile Organic Compound Leaks
Subpart QQQ 40 CFR 60.692-5 (e)(1)	Leak inspection procedures 60 Subpart QQQ, 60.696:	EPA reference method 21 (40 CFR 60, Appendix A), Determination of Volatile Organic Compound Leaks
40 CFR, Subpart QQQ, 60.696	Performance test methods and procedures and compliance provisions	Sources equipped with a closed-vent system and control device shall use EPA Method 21 to measure the emission concentrations, using 500 ppm as the no detectable emission limit. Acceptable seal gap criteria also included.
NSPS Part 60 Subpart VV	**Standards of Performance for Equipment Leaks (Fugitive Emission Sources) (10/18/83)**	
Subpart VV 40 CFR 60.482-2(b)(1), 60.482-7(b), 60.482-8(b), 60.482-10 (g),	Leak inspection procedures	60 Subpart VV, 60.485(b): EPA reference method 21 (40 CFR 60, Appendix A), Determination of Volatile Organic Compound Leaks
Subpart VV 40 CFR 60.482-2(b)(2), 60.482-8(a),	Visual inspection	60 Subpart VV, 60.485(b)
Subpart VV 40 CFR 60.482-2(e), 60.482-4(a), 60.482-4(b), 60.482-7(f),	Leak inspection procedures	60 Subpart VV, 60.485(c): EPA reference method 21 (40 CFR 60, Appendix A), Determination of Volatile Organic Compound Leaks

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Applicable Requirement	Description of Requirement	Acceptable Test Methods
Subpart VV 40 CFR 60.483 and BAAQMD 8-18-404.1	Leak inspection procedures	60 Subpart VV, 60.485(b): EPA reference method 21 (40 CFR 60, Appendix A), Determination of Volatile Organic Compound Leaks
NSPS Title 40 Part 60 Appendix A	Inspection Procedures	EPA Reference Method 21
NESHAP Part 61 Subpart FF	**National Emission Standard for Benzene Waste Operations (3/7/90)**	
Subpart FF 40 CFR 61.349 (a)(1)(i)	Leak inspection procedures	61 Subpart FF, 61.355(h): EPA reference method 21 (40 CFR 60, Appendix A), Determination of Volatile Organic Compound Leaks
Subpart FF 40 CFR 61.354 (f)	Visual Inspection	61 Subpart FF, 61.354(f)
NESHAP Part 61 Subpart V	**National Emission Standards for Equipment Leaks (Fugitive Emission Sources) (6/6/84)**	
Subpart V 40 CFR 61.242-2(b)(1), 61.242-7(b), 61.242-8(b)	Leak inspection procedures	61 Subpart V, 61.245(b): EPA reference method 21 (40 CFR 60, Appendix A), Determination of Volatile Organic Compound Leaks
Subpart V 40 CFR 61.242-2 (b)(2), 61.242-2 (g), 61.242-8(a)	Visual Inspection	61 Subpart V, 61.242-2 (b)

VIII. Test Methods

Table VIII
Test Methods

Applicable Requirement	Description of Requirement	Acceptable Test Methods
Subpart V 40 CFR 61.242-2(e), 61.242-4(a), 61.242-4(b), 61.242-7(f), 61.242-11 (f)	Leak inspection procedures	61 Subpart V, 61.245(c) : EPA reference method 21 (40 CFR 60, Appendix A), Determination of Volatile Organic Compound Leaks
Subpart V 40 CFR 61.243 and BAAQMD 8-18-404.1	Leak inspection procedures	61 Subpart V, 61.245(b) : EPA reference method 21 (40 CFR 60, Appendix A), Determination of Volatile Organic Compound Leaks
40 CFR, Subpart VV, 63.1046	Test methods, procedures	Method 21of 40 CFR part 60, appendix A. Acceptable floating roof seal gap criteria included.
40 CFR, Subpart CC	Test methods, procedures	EPA reference method 21 (40 CFR 60, Appendix A), Determination of Volatile Organic Compound Leaks

IX. Permit Shield

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] do not apply to the source or group of sources identified at the top of the table[s]. Enforcement actions and litigation may not be initiated against the source or group of sources covered by this shield based on the regulatory and/or statutory provisions cited, as long as the reasons listed below remain valid for the source or group of sources covered by this shield.

~~Table IX A – 1~~
~~Permit Shield for Non-applicable Requirements~~
~~S802- FCCU: FLUID CATALYTIC CRACKER~~

~~Citation~~	~~Title or Description~~ ~~(Reason not applicable)~~
~~40 CFR 60 Subpart J~~	~~NSPS Petroleum Refineries~~ ~~(S802 is not newly constructed, reconstructed, or modified since the applicability date of October 4, 1976 for 40 CFR 60 Subpart J.)~~

~~Table IX A – 2~~
~~Permit Shield for Non-applicable Requirements~~
~~S1401- CLAUS MODIFIED 3-STAGE SULFUR RECOVERY UNIT~~

~~Citation~~	~~Title or Description~~ ~~(Reason not applicable)~~
~~40 CFR 60 Subpart J~~	~~NSPS Petroleum Refineries~~ ~~(S1401 is not newly constructed, reconstructed, or modified since the applicability date of October 4, 1976 for 40 CFR 60 Subpart J.)~~

Table IX A – 3
Permit Shield for Non-applicable Requirements
S901- NO. 7 BOILER, S903 NO. 5 BOILER, S904-NO. 6 BOILER

Citation	**Title or Description** **(Reason not applicable)**
40 CFR 60 Subpart D	Standards of Performance for Fossil-Fuel-Fired Steam Generators for Which Construction is Commenced After August 17, 1971 (Sources are not newly constructed, reconstructed, or modified since the applicability date of August 17, 1971 for 40 CFR 60 Subpart D.)

IX. Permit Shield

Table IX A – 3
Permit Shield for Non-applicable Requirements
S901- NO. 7 BOILER, S903 NO. 5 BOILER, S904-NO. 6 BOILER

Citation	Title or Description (Reason not applicable)
40 CFR 60 Subpart Db	Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units (Sources are not newly constructed, reconstructed, or modified since the applicability date of June 19, 1984 for 40 CFR 60 Subpart Db.)
40 CFR 60 Subpart Dc	Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units (Sources are not newly constructed, reconstructed, or modified since the applicability date of June 9, 1989 for 40 CFR 60 Subpart Dc.)

Table IX A – 4
Permit Shield for Non-applicable Requirements
S1411-SULFURIC ACID MANUFACTURING PLANT

Citation	Title or Description (Reason not applicable)
40 CFR 60 Subpart H	Standards of Performance for Sulfuric Acid Plants (S1411 is not newly constructed, reconstructed, or modified since the applicability date of August 17, 1971 for 40 CFR 60 Subpart H.)

Table IX A – 5
Permit Shield for Non-applicable Requirements
ORGANIC LIQUID STORAGE TANKS

Citation	Title or Description (Reason not applicable)
40 CFR 60 Subpart UU	Standards of Performance for Asphalt Processing and Asphalt Roofing Manufacture (There are no asphalt storage tanks on site.)

Table IX A – 6
Permit Shield for Non-applicable Requirements
S854-EAST AIR FLARE, S992-EMERGENCY FLARE, S1013-AMMONIA PLANT FLARE

Citation	Title or Description (Reason not applicable)
Regulation 8, Rule 2	Miscellaneous Operations (Sources that are subject Regulation 10 are exempt from Regulation 8, Rule 2.)

IX. Permit Shield

Table IX A-7
Permit Shield for Non-Applicable
S1106-NO. 72 FURNACE

Citation	Title or Description (Reason not applicable)
40 CFR 60 Subpart J	Standards of Performance for Petroleum Refineries (BAAQMD Permit Condition 19199, Part H1 allows for firing of natural gas only)

X. REVISION HISTORY

Initial Major Facility Review Permit Issuance (Application 16484): December 1, 2003

Administrative Amendment (no application): May 27, 2004

Reopening (Application 9295): December 16, 2004

Minor Revision (Application 11265): December 30, 2004
Modify the materials to be stored at S-323 Tank A-323 to allow the storage of alkylate gasoline blending material. Increase vapor pressure of material to be stored from a Reid vapor pressure of 2 psia to 9 psia. The throughput of the tank will be decreased from 11,000,000 to 2,000,000 barrels per year. Add source testing requirement for A-14 Vapor Recovery System and process heaters to ensure VOC destruction efficiency of 99.5%. Update Tables II-A, II-B, Table IV –CV, Conditions 13605 and 21503, and Table VII-CB.

Reopening (Application 11696): February 1, 2005

Reopening (Application (12431 & 12599) March 9, 2007

Signficant Revision: Date TBD

Application Number(s)	Description
14144/14141&16390/16389	Coker Modification Project and Revisions
14326/14325	No. 1 HSD Unit Modification
14375/14374	Sulfur Pit Vent Reroute (Consent Decree)
14753/14752	No. 2 Reformer Reactor Feed Preheater F-27
14893/14894	Benzene Saturation Unit Throughput Increase
14917/16496/16495	Firewater Pumps
14918/14919	New Tank S-896
15430/15429	Avon Wharf Slop Tanks
15683/15212	FCCU Change of Conditions (Consent Decree)
15681/15682	NOx Box
16015/15949	Sulfur Recovery Unit (Consent Decree)
16114/16018	Blowdown Tower S-822 Removal
16217/16125	New Gasoline/Blendstock Storage Tank
16891/15944	Isocracker Unit Hydrogen Recycle Compressor Leak

XI. GLOSSARY

ACT
Federal Clean Air Act

APCO
Air Pollution Control Officer

API
American Petroleum Institute

ARB
Air Resources Board

BAAQMD
Bay Area Air Quality Management District

BACT
Best Available Control Technology

BARCT
Best Available Retrofit Control Technology

Basis
The underlying authority that allows the District to impose requirements.

Bubble
An emission limit imposed on a group of sources.

C5
An Organic chemical compound with five carbon atoms

C6
An Organic chemical compound with six carbon atoms

CAA
The federal Clean Air Act

CAAQS
California Ambient Air Quality Standards

CAPCOA
California Air Pollution Control Officers Association

CEC
California Energy Commission

CEQA
California Environmental Quality Act

CEM
A "continuous emission monitor" is a monitoring device that provides a continuous direct measurement of some pollutant (e.g. NOx concentration) in an exhaust stream.

CFP
Clean Fuels Project

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

CO
Carbon Monoxide

CO2
Carbon Dioxide

Consent Decree
Case No. SA-05-CA-0569-RF; United States of America v. Valero Refining Company – California, et.al. in the United States District Court, Western District of Texas, San Antonio Division, Lodged 6/15/2005, Entered 11/23/2005

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.

DAF
A "dissolved air flotation" unit is a process vessel where air bubbles injected at the bottom of the vessel are used to carry solids in the liquid into a froth on the liquid surface, where it is removed.

DWT
Dead Weight Ton

District
The Bay Area Air Quality Management District

DNF
Dissolved Nitrogen Flotation (See DAF)

dscf
Dry Standard Cubic Feet

dscm
Dry Standard Cubic Meter

E 6, E 9, E 12
Very large or very small number values are commonly expressed in a form called scientific notation, which consists of a decimal part multiplied by 10 raised to some power. For example, 4.53 E 6 equals (4.53) x (10^6) = (4.53) x (10 x 10 x 10 x 10 x 10 x 10) = 4,530,000. Scientific notation is used to express large or small numbers without writing out long strings of zeros.

EFRT
An "external floating roof tank" minimizes VOC emissions with a roof with floats on the surface of the liquid, thus preventing the formation of a VOC-rich vapor space above the liquid surface as the level in the tank drops. If such a vapor space were allowed to form, it would be expelled when the tank was re-filled. On an EFRT, the floating roof is not enclosed by a second, fixed tank roof, and is thus described as an "external" roof.

EMP
Environmental Management Plan

EPA
The federal Environmental Protection Agency.

ESP
Electrostatic Precipitator

ETP
Effluent Treatment Plant

Excluded
Not subject to any District Regulations.

FCC
Fluid Catalytic Cracker

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), and also 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.

FR
Federal Register

FRT
Floating Roof Tank (See EFRT and IFRT)

GDF
Gasoline Dispensing Facility

GLM
Ground Level Monitor

grains
1/7000 of a pound

Grandfathered source
A source that was not subject to District permit requirements at the time it was constructed, but was subsequently required to obtain a District permit to operate, and has never been modified since the permit requirement went into effect. Sources constructed prior to March 7, 1979 (when the District's new source review permit program went into effect) might be grandfathered sources. Source that were exempt from permit requirements at the time of construction, that subsequently lost their exemption due to a change in permit rules, might also be grandfathered sources.

GRU
Gas Recovery Unit

Graphitic
Made of graphite.

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 40 CFR Part 63.

H2S
Hydrogen Sulfide

H2SO4
Sulfuric Acid

HC
Hydrocarbon

Hg
Mercury

HNC
Heavy Neutral Hydrocracker

HNHF
Heavy Neutral Hydrofinisher

HHV
Higher Heating Value. The quantity of heat evolved as determined by a calorimeter where the combustion products are cooled to 60F and all water vapor is condensed to liquid.

IFRT
An "internal floating roof tank" minimizes VOC emissions with a roof with floats on the surface of the liquid, thus preventing the formation of a VOC-rich vapor space above the liquid surface as the level in the tank drops. If such a vapor space were allowed to form, it would be expelled when the tank was re-filled. On an IFRT, the floating roof is enclosed by a second, fixed tank roof, and thus is described as an "internal" roof.

ISOM
Isomerization plant

JHT
Jet Hydrotreater

LFSO
Low sulfur fuel oil

LHV
Lower Heating Value. Similar to the higher heating value (see HHV) except that the water produced by the combustion is not condensed but retained as vapor at 60F.

Lighter
"Lightering" is a transfer operation during which liquid is pumped from an ocean-going tanker vessel to a smaller vessel such as a barge. Like any liquid transfer operation, lightering of organic liquids produces organic vapor emissions.

LNC
Light Neutral Hydrocracker

LNHF
Light Neutral Hydrofinisher

Long ton
2200 pounds

LPG
Liquid Petroleum Gas

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.

MDEA
Methyl Diethanolamine

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

MM
Million

Mo Gas
Motor gasoline

MOP
The District's Manual of Procedures

MOSC
Mobil Oil Sludge Conversion (licensed technology)

MSDS
Material Safety Data Sheet

MTBE
methyl tertiary-butyl ether

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.

NMHC
Non-methane Hydrocarbons

NMOC
Non-methane Organic Compounds (Same as NMHC)

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 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 air pollutants for which the District is classified "non-attainment". Mandated by Title I of the Clean Air Act and implemented by 40 CFR Parts 51 and 52 as well as District Regulation 2, Rule 2. (Note: There are additional NSR requirements mandated by the California Clean Air Act.)

O2
The chemical name for naturally-occurring oxygen gas.

Offset Requirement
A New Source Review requirement to provide federally enforceable emission offsets at a specified ratio for the emissions from a new or modified source and any pre-existing cumulative increase minus any onsite contemporaneous emission reduction credits. Applies to emissions of POC, NOx, PM10, and SO2.

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

POC
Precursor Organic Compounds

PM
Total Particulate Matter

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

PSD
Prevention of Significant Deterioration. A federal program for permitting new and modified sources of 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

Regulated Organic Liquid
"Regulated organic liquids" are those liquids which require permits, or which are subject to some regulation, when processed at a liquid-handling operation. For example, for refinery marine terminals, regulated organic liquids are defined as "organic liquids" in Regulation 8, Rule 44.

RFG
Refinery Fuel Gas

RMG
Refinery Make Gas

SCR
A "selective catalytic reduction" unit is an abatement device that reduces NOx concentrations in the exhaust stream of a combustion device. SCRs utilize a catalyst, which operates at a specific temperature range, and injected ammonia to promote the conversion of NOx compounds to nitrogen gas.

SDA
Solvent deasphalting

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

SO2 Bubble
An SO2 bubble is an overall cap on the SO2 emissions from a defined group of sources, or from an entire facility. SO2 bubbles are sometimes used at refineries because combustion sources are typically fired entirely or in part by "refinery fuel gas" (RFG), a waste gas product from refining operations. Thus, total SO2 emissions may be conveniently quantified by monitoring the total amount of RFG that is consumed, and the concentration of H2S and other sulfur compounds in the RFG.

SO3
Sulfur trioxide

SRU
Sulfur Recovery Unit

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

THC
Total Hydrocarbons (NMHC + Methane)

therm
100,000 British Thermal Units

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

TKC
Taylor Kinetic Cracking

TOC
Total Organic Compounds (NMOC + Methane, Same as THC)

TPH
Total Petroleum Hydrocarbons

TRMP
Toxic Risk Management Plan

TRS
"Total reduced sulfur" is a measure of the amount of sulfur-containing compounds in a gas stream, typically a fuel gas stream, including, but not limited to, hydrogen sulfide. The TRS content of a fuel gas determines the concentration of SO2 that will be present in the combusted fuel gas, since sulfur compounds are converted to SO2 by the combustion process.

TSP
Total Suspended Particulate

TVP
True Vapor Pressure

VGO
Vacuum Gas Oil

VOC
Volatile Organic Compounds

VR
Vapor Recovery

WWT
Wastewater Treatment

Units of Measure:

bbl	=	barrel of liquid (42 gallons)
bhp	=	brake-horsepower
btu	=	British Thermal Unit
C	=	degrees Celcius
F	=	degrees Farenheight
f^3	=	cubic feet
g	=	grams
gal	=	gallon
gpm	=	gallons per minute
hp	=	horsepower
hr	=	hour
lb	=	pound
in	=	inches
max	=	maximum
m^2	=	square meter
min	=	minute
M	=	thousand
Mg	=	mega-gram, one thousand grams
µg	=	micro-gram, one millionth of a gram
MM	=	million
mm	=	millimeter
MMbtu	=	million btu
mmBtu	=	million btu
mmbtu	=	million btu
mm Hg	=	millimeters of Mercury (pressure)
MW	=	megawatts
ppmv	=	parts per million, by volume
ppmvd	=	parts per million, by volume, dry basis
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

Symbols:

<	=	less than
>	=	greater than
≤	=	less than or equal to
≥	=	greater than or equal to

XII. APPLICABLE STATE IMPLEMENTATION PLAN

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

~~http://yosemite1.epa.gov/r9/r9sips.nsf/California?ReadForm&Start=1&Count=30&Expand=4.1~~
http://yosemite.epa.gov/r9/r9sips.nsf/Agency?ReadForm&count=500&state=California&cat=Bay+Area+Air+Quality+Management+District-Agency-Wide+Provisions

Appendices A-D

Hyperlink to Appendix A to go here.
http://www.baaqmd.gov/pmt/title_v/B2758-9/B2758-9_2005-08_reopen_02a.pdf
Hyperlink to Appendix B to go here.
http://www.baaqmd.gov/pmt/title_v/B2758-9/B2758-9_2005-08_reopen_02b.pdf
Hyperlink to Appendix C to go here.
http://www.baaqmd.gov/pmt/title_v/B2758-9/B2758-9_2005-08_reopen_02c.pdf
Hyperlink to Appendix D to go here.
http://www.baaqmd.gov/pmt/title_v/B2758-9/B2758-9_2005-08_reopen_02d.pdf

Appendix E

http://www.baaqmd.gov/pmt/title_v/B2758-9/B2758-9_2005-08_reopen_02e.pdf
Hearing Board Docket No. 3492