Bay Area Air Quality Management District

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

Final

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**
J. W. Haywood	Alan A. Savage III
Senior Vice President	Environmental Manager
Southwest Region	
(925) 228-1220	(925) 228-1220

Type of Facility:	**Petroleum Refining**	BAAQMD Engineering Division Contact:
Primary SIC:	2911	Pamela Leong
Product:	Refined Petroleum Products	

ISSUED BY THE BAY AREA AIR QUALITY MANAGEMENT DISTRICT

Signed Jack P. Broadbent _____ December 1, 2003 __
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)

C. Requirement to Pay Fees

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

D. Inspection and Entry

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

I. Standard Conditions

E. Records

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

F. Monitoring Reports

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

I. Standard Conditions

San Francisco, CA 94105
Attention: Air-3
(MOP Volume II, Part 3, §4.5 and 4.15)

H. Emergency Provisions

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

I. Severability

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

J. Miscellaneous Conditions

1. 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)

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

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
21	Tank A-21 Gasoline	Fixed roof		189K gal 40K bbl/yr	Grandfathered Limit
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

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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
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 Fuel Oil, Jet 'A', Gas Oil, Recovered Oil	External floating roof		651K gal 25,029K bbl/yr	Grandfathered Limit
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
314	Tank A-314 Gasoline, Ethers	Internal floating roof		3,331K gal 7,700K 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
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', Methyl Alcohol, Gasoline	Fixed roof		924K gal 11,000K 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
452	Tank A-452 Ammonia	Fixed roof		45K gal 5000K gal/yr	Grandfathered Limit

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
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
612	Tank A-612 Ethyl Alcohol, Gasoline	Internal floating roof		420K gal 243K bbl/yr	Firm Limit Condition #6740, part 3

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
613	Tank A-613 Organic Liquid – other/not Spec	Fixed roof		420K gal 5000K bbl/yr	Grandfathered Limit
619	Tank A-619 Gasoline	Internal floating roof		420K gal 500K bbl/yr	Grandfathered Limit
622	Tank A-622 Distillate Oil, Gasoline	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
643	Tank A-643 Distillate Oil	Fixed roof		84K gal 500K 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
657	Tank A-657 Refinery Sour Waste Water	Fixed roof		48K gal 1K bbl/yr	Grandfathered Limit

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
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)	Grandfathered Limit
660	Tank A-660 [Coke Storage]	United Conveyor Co.		1,016,160 ton/yr (limit applies to S659 and S660 combined)	Grandfathered Limit
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
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

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
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
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

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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
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
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

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
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
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			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

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
901	No. 7 Boiler Refinery Fuel Gas, FCCU Flue Gas			668 mmbtu/hr 5,851,680 mmbtu/yr	Grandfathered Limit
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		848 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

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
925	Coker Attriting Superheater (F25) Refinery Fuel Gas, Natural Gas			5.9 mmbtu/hr 51,684 mmbtu/yr	Grandfathered Limit

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
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
935	Hydrocracker Splitter Reboiler (F35), Refinery Fuel Gas, Natural Gas	Foster Wheeler	Vertical Cylindrical	152 mmbtu/hr 1331520 mmbtu/yr	Condition #16685, part 1

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
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			2,500,000 mmbtu/hr 60,000,000 mmbtu/day	Grandfathered Limit
944	North Steam Flare Natural Gas, Process Gas			2,700 mmbtu/hr 64,800 mmbtu/day	Grandfathered Limit
945	South Steam Flare Natural Gas, Process Gas			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
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

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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
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
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

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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
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 (F55) Refinery Fuel Gas, Natural Gas	Entec	Vertical Cylindrical	55 mmbtu/hr 481,800 mmbtu/yr	Grandfathered Limit
974	No. 3 HDS Fract Feed Heater (F56) Refinery Fuel Gas, Natural Gas	Entec	Vertical Cylindrical	110 mmbtu/hr 963,600 mmbtu/yr	Grandfathered Limit
975	No. 4 Gas Plant Cooling Tower	Marley	13-24A	77,760K gal/day 28,382,400 gal/yr	Firm Limit Condition #18435part 1
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
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

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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
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	Pritchard	4-3042LA18	17,280K gal/day 6,307,200K gal/yr	Firm Limit Condition#19199 , part E1
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
992	Emergency Flare Natural Gas, Process Gas			13,200 mmbtu/hr 316,800 mmbtu/yr	Grandfathered Limit
1001	No. 50 Crude Unit			120K bbl/day 40,880K 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
1002	No. 1 HDS Unit			28K bbl/day 9,125K 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			2,755 mmbtu/hr 66,120 mmbtu/day	Grandfathered Limit
1013	Ammonia Plant Flare	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
1025	Bulk Plant; Bottom Loading Facilities Gasoline, Naphtha, Kerosene, Diesel, Fuel Oil	Oilco		18,615K bbl/yr	Grandfathered Limit
1026	DNF Air Stripper			0.48 ton/day 175.2 ton/yr	Grandfathered Limit
1038	Benzene Saturation Unit			10,400 bbl/day 3,796 K bbl/yr	Grandfathered Limit

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
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, FU72, Natural Gas	Tulsa Heater	Two Vertical Cylindrical	30 mmbtu/hr 225.257 mmscf/yr	Firm Limit Condition #19199, part H0, H3
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

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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
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
1452	Oil-Water Separator [Hydrocarbon Recovery System]			1K bbl/yr	Grandfathered Limit
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

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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
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
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
1484	Oil Water Separator; Pressure Vessel, Volume: 1350 Gallons			Desalter Brine Throughput 286 bbl/hr 2505 Kbbl/yr	Firm Limit Condition #18539, part 9

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

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	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
			BAAQMD Regulation 6-302	To be established on monitor, effective June 1, 2004	Opacity = or > 20% for more than 3 min/hr

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 6-304	To be established on monitor, effective June 1, 2004	Ringlemann 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	To be established on monitor, effective June 1, 2004	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 ore than 3 min/hr
			BAAQMD Regulation 6-302	Daily visual inspection, effective June 1, 2004	Opacity = or > 20% for more than 3 min/hr
			BAAQMD Regulation 6-305	Daily visual inspection, effective June 1, 2004	Visible particles on real property of another
			BAAQMD Regulation 6-310	Daily visual inspection, effective June 1, 2004	0.15 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

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	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 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	To be established on monitor, effective June 1, 2004	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

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/Absorb	S21, 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	S699	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
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 2 or 40% Opacity

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	To be established on monitor, effective June 1, 2004	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

Table II B – Abatement Devices

Plant #B2758 Tesoro Refining and Marketing Company

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
39	Thermal Oxidizer, Direct Flame Afterburner	S1026	BAAQMD Condition # 4587, part 7	none	H2S: 1 ppm
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
806	No. 5 Boiler Electrostatic Precipitator	S806	BAAQMD Regulation 6-301	To be established on monitor, effective June 1, 2004	Ringelmann No. 1 for more than 3 min/hr
			BAAQMD Regulation 6-302	To be established on monitor, effective June 1, 2004	Opacity = or > 20% for more than 3 min/hr
			BAAQMD Regulation 6-305	To be established on monitor, effective June 1, 2004	Visible particles on real property of another

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	To be established on monitor, effective June 1, 2004	0.15 grain per dscf
904	No. 6 Boiler Selective Catalytic Reduction System	S904	Regulation 9-10-301	none	NOx: 0.033 lb NOx/MMBTU
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
927	No. 2 Ref, F-27 Selective Catalytic Reduction System	S927	BAAQMD Regulation 9-10-301	none	NOx: 0.033 lb NOx/MMBTU
950	50 Crude, F-50 Selective Catalytic Reduction System	S950	BAAQMD Regulation 9-10-301	none	NOx: 0.033 lb NOx/MMBTU
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	none	NOx: 0.033 lb NOx/MMBTU
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

Table II B – Abatement Devices

Plant #B2758 Tesoro Refining and Marketing Company

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
963	Steam Injection System	963	BAAQMD Regulation 9-9-301.1	none	42 ppmv NOx corrected to 15% oxygen
1402	Scot Tail Gas Unit/Incinerator	S1416, S1417, S1420	BAAQMD Regulation 6-301	none	Ringelmann No. 1 for more than 3 min/hr
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	none	NOx: 0.033 lb NOx/MMBTU
1432	Technip Selective Catalytic Reduction System w Hitachi Catalyst or equivalent	S950	BAAQMD Condition 18372, part 19; Regulation 9-1-301	none	NOx: 0.033 lb NOx/MMBTU
1433	Technip Selective Catalytic Reduction System w Hitachi Catalyst or equivalent	S971	BAAQMD Condition 18372, part 20; Regulation 9-1-301	none	NOx: 0.033 lb NOx/MMBTU

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

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 #12759 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, S21, S30, S49, and S50 combined)	Grandfathered Limit
21	Tank B-21 Crude Oil, Gasoline	External floating roof		3276K gal 70,080 K bbl/yr (limit applies to S19, S21, S30, S49, and S50 combined)	Grandfathered Limit
30	Tank B-30 Crude Oil, Gasoline	External floating roof		3318K gal 70,080 K bbl/yr (limit applies to S19, S21, S30, S49, and S50 combined)	Grandfathered Limit
49	Tank B-49 Crude Oil	External floating roof		5964K gal 70,080 K bbl/yr (limit applies to S19, S21, S30, S49, and S50 combined)	Grandfathered Limit
50	Tank B-50 Crude Oil	External floating roof		5922K gal 70,080 K bbl/yr (limit applies to S19, S21, S30, S49, and S50 combined)	Grandfathered Limit
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	Grandfathered Limit

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
1	Tank A-01	Fixed roof		3,066K gal
2	Tank A-02	Fixed roof		3,158K gal
3	Tank A-03	Fixed roof		3,360K gal
9	Tank A-09	Fixed roof		420K gal
10	Tank A-10	Fixed roof		1,050K gal
11	Tank A-11	Fixed roof		252K gal
14	Tank A-14	Fixed roof		210K gal
15	Tank A-15	Fixed roof		84K gal
22	Tank A-22	Fixed roof		210K gal
27	Tank A-27	Fixed roof		252K gal
28	Tank A-28	Fixed roof		252K gal
29	Tank A-29	Fixed roof		252K gal
30	Tank A-30	Fixed roof		252K gal
36	Tank A-36	Fixed roof		962K gal
44	Tank A-44	Fixed roof		2,310K gal
45	Tank A-45	Fixed roof		252K gal
56	Tank A-56	Fixed roof		1,008K gal
57	Tank A-57	Fixed roof		576K gal
59	Tank A-59	Fixed roof		126K gal
70	Tank A-70	Fixed roof		966K gal
71	Tank A-71	Fixed roof		966K gal
131	Tank A-131	Fixed roof		21K gal
139	Tank A-139	Fixed roof		336K gal
209	Tank A-209	Fixed roof		2,352K gal
212	Tank A-212	Fixed roof		21K gal
214	Tank A-214	Fixed roof		420K gal
220	Tank A-220	Fixed roof		3,318K gal
221	Tank A-221	Fixed roof		3,360K gal
222	Tank A-222	Fixed roof		3,360K gal
226	Tank A-226	Fixed roof		3,360K gal
228	Tank A-228	Fixed roof		3,360K gal
229	Tank A-229	Fixed roof		3,360K gal
230	Tank A-230	Fixed roof		3,360K gal
232	Tank A-232	Fixed roof		3,360K gal
233	Tank A-233	Fixed roof		3,360K gal
234	Tank A-234	Fixed roof		3,360K gal

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
235	Tank A-235	Fixed roof		3,360K gal
236	Tank A-236	Fixed roof		3,360K gal
237	Tank A-237	Fixed roof		3,360K gal
238	Tank A-238	Fixed roof		3,360K gal
242	Tank A-242	Fixed roof		3,360K gal
243	Tank A-243	Fixed roof		3,170K gal
244	Tank A-244	Fixed roof		3,360K gal
245	Tank A-245	Fixed roof		3,360K gal
246	Tank A-246	Fixed roof		3,170K gal
247	Tank A-247	Fixed roof		3,170K gal
248	Tank A-248	Fixed roof		3,170K gal
258	Tank A-258	Fixed roof		84K gal
269	Tank A-269	Fixed roof		3,167K gal
270	Tank A-270	Fixed roof		3,167K gal
271	Tank A-271	Fixed roof		3,360K gal
272	Tank A-272	Fixed roof		3,360K gal
273	Tank A-273	Fixed roof		3,360K gal
274	Tank A-274	Fixed roof		3,170K gal
345	Tank A-345	Fixed roof		210K gal
368	Tank A-368	Fixed roof		2,176K gal
369	Tank A-369	Fixed roof		2,188K gal
377	Tank A-377	Fixed roof		1,092K gal
378	Tank A-378	Fixed roof		1,092K gal
391	Tank A-391	Fixed roof		630K gal
405	Tank A-405	Fixed roof		630K gal
406	Tank A-406	Fixed roof		378K gal
429	Tank A-429	Fixed roof		3,318K gal
430	Tank A-430	Fixed roof		3,150K gal
453	Tank A-453	Fixed roof		42K gal
489	Tank A-489	Fixed roof		1,050K gal
493	Tank A-493	Fixed roof		105K gal
494	Tank A-494	Fixed roof		105K gal
495	Tank A-495	Fixed roof		4200 gal
496	Tank A-496	Fixed roof		4200 gal
503	Tank A-503	Fixed roof		3,528K gal
504	Tank A-504	Fixed roof		71K gal

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
510	Tank A-510	Fixed Roof		20K gal
517	Tank A-517	Fixed roof		3,154K gal
527	Tank A-527	Fixed roof		630K gal
574	Tank A-574	Fixed roof		1,008K gal
585	Tank A-585	Fixed roof		420K gal
586	Tank A-586	Fixed roof		840K gal
602	Tank A-602	Fixed roof		21K gal
604	Tank A-604	Fixed roof		21K gal
620	Tank A-620	Fixed roof		3,360K gal
621	Tank A-621	Fixed roof		3,360K gal
654	Tank A-654	Fixed roof		42K gal
662	Tank A-662	Fixed roof		42K gal
672	Tank A-672	Fixed roof		756K gal
691	Tank A-691	Dome Roof		9,328.2K gal
1024	Tank 80-A-717	Cone Roof		3,360K gal

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

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)**		
8-8-308	Junction Box	Y	

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 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)**		
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	

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 61.06	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)**		
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 61.341	Definitions	Y	
40 CFR 61.342	Standards: General	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	Y	
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)	Standards: General; [Uncontrolled] 61.342(e)(2) Waste shall not contain more than 6.0 Mg/yr benzene.	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 61.344	Standards: Impoundments	Y	
40 CFR 61.345(a)	Standards: Containers	Y	

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(a)(1)	Standards: Containers--Covers	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	
40 CFR 61.345(c)	Standards: Containers--Repairs	Y	
40 CFR 61.346	Standards: Individual drain systems	Y	
40 CFR 61.347	Oil Water Separators	Y	
40 CFR 61.348	Standards: Treatment process	Y	
40 CFR 61.349	Standards: Closed-vent systems and control devices	Y	
40 CFR 61.350	Delay of repair	Y	
40 CFR 61.351	Alternative standards for tanks	Y	
40 CFR 61.352	Alternative standards for oil-waste separators	Y	
40 CFR 61.353	Alternative means of emission limitation	Y	
40 CFR 61.354	Monitoring of operations	Y	
40 CFR 61.355	Test Methods, Procedures, and Compliance Provisions	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(d)	Recordkeeping Requirements: Control equipment engineering design	Y	
40 CFR 61.356(e)	Recordkeeping Requirements: Treatment process or unit per 61.348	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(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(j)	Recordkeeping Requirements: Control device operation	Y	
40 CFR 61.357	Reporting Requirements	Y	
40 CFR 61.357(d)	Reporting Requirements: Facilities with 10 Mg/yr or more total benzene in waste	Y	
40 CFR 61.357(e)	Reporting Requirements for 61.351 and 61.352 equipment	Y	
40 CFR 61.357(f)	Reporting Requirements for 61.351 control equipment	Y	

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 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	
40 CFR 63.5	Construction and Reconstruction	Y	

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 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	
63.642	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	
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	**Process Vessel Depressurization**	**Y**	

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-10-301	Depressurization Control Options	Y	
8-10-401	Recordkeeping	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	
9-1-302	General Emission Limitation	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	
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	

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

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

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 16	Startup/Shutdown Notification (basis: Regulation 2-1-403)	N	

Table IV - A
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**	
9-1-110	Conditional Exemption, Area Monitoring	Y	
9-1-301	Limitations on Ground Level Concentrations	Y	
9-1-302	General Emission Limitation	Y	
9-1-501	Area Monitoring Requirements	Y	
9-1-601	Ground Level Monitoring	Y	
BAAQMD Regulation 9, Rule 2	**Hydrogen Sulfide**	**Y**	

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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	
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			
Part 6	Daily POC Emission Limitation on Marine Transport and Transfer of	Y	

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	MTBE, ETBE and TAME, and Ship Ballasting, Vessel Unloading, Ship and Tug Boat Engines (basis: cumulative increase, offsets, toxics)		
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	

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			

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
Part 1	Throughput limit (basis: Regulation 2-1-234.3; Regulation 2-1-403 Regulation 2-6-503)	Y	
Part 13 (applies to S99)	Monitoring (basis: Regulation 2-1-403; Regulation 2-6-503)	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	
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	

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
8-44-501.3	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	

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

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	

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
8-7-301.6	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	
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	

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
8-7-316	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	
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	

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**	
63.651	Marine Vessel Tank Loading Operations Provisions	Y	

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 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	

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	

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Notes
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	
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	

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 Condition # 19528			
Part 1	Throughput limit (basis: Regulation 2-1-234.3, Regulation 2-1-403 Regulation 2-6-503)	Y	

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)	Y	**June 1, 2004**

Table IV – Ja
Source-specific Applicable Requirements
S808- COKER SLUICE TANK, 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

`	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	

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

`	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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	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	
6-304	Tube Cleaning	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	
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	

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

`	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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 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 63 Subpart UUU	**National Emission Standards for Hazardous Pollutants for Petroleum Refineries: Catalytic Cracking Units, Catalytic Reforming Units, and Sulfur Recovery Units (4/11/02)**	**Y**	**April 11, 2005**
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 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 4a	Monitoring system for ESP, A30	Y	June 1, 2004
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			

[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.

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

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

`	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 – 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	

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
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 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	
BAAQMD Condition # 19528			
Part 1	Throughput limit (basis: Regulation 2-1-234.3, Regulation 2-1-403 Regulation 2-6-503)	Y	

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

`	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			
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)			

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

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

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
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	
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	

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 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	

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, 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	

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 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 8-2	**Organic Compound – Miscellaneous Operation (6/15/94)**		
8-2-301	**Emissions < 15 lb/day and concentration < 300 ppmv**	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	Y	
6-401	Appearance of Emissions	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 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

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	

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 Compounds – Process Vessel Depressurization (7/20/83)**		
8-10-301	Process Vessel Depressurizing	Y	
8-10-401	Recordkeeping	Y	
40 CFR 63 Subpart UUU	**National Emission Standards for Hazardous Pollutants for Petroleum Refineries: Catalytic Cracking Units, Catalytic Reforming Units, and Sulfur Recovery Units (4/11/02)** (applies to S1020 only)	**Y**	**April 11, 2005**
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	

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 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	
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**	

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 Condition # 19528			
Part 1	Throughput limit (basis: Regulation 2-1-234.3, Regulation 2-1-403 Regulation 2-6-503)	Y	

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	
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	**General Provisions**	**Y**	
60.18	General control device requirements	Y	

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
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	06/01/03
40 CFR 60.100(b)	Applicability: Constructed/modified after 6/11/1973	Y	06/01/03
NSPS 40 CFR 60 Subpart J	**Standards of Performance for Petroleum Refineries (7/1/00)**		06/01/03
60.104	Standards for Sulfur Oxides: Compliance Schedule	Y	06/01/03
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	06/01/03
NSPS Title 40 Part 60 Appendix A	**NSPS 40 CFR Part 60 Appendix A (12/13/1971)**		
Test Methods	Test Methods	Y	
40 CFR Part 63 Subpart A	**General Provisions**	**Y**	06/01/03
63.11	Control device requirements	Y	
BAAQMD Condition # 19528			
Part 1	Throughput limit (basis: Regulation 2-1-234.3, Regulation 2-1-403 Regulation 2-6-503)	Y	
Part 11	Limitation on Flare Usage (basis: 40 CFR 60.104; Regulation 2-1-403 Regulation 2-6-503)	Y	
Part 11A	Record Keeping (basis: 40 CFR 60.104; Regulation 2-1-403 Regulation 2-6-503)	Y	

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	

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	
8-16-501	Solvent Records	N	
8-16-501.2	Facility-wide Annual Solvent Usage Records	N	

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
8-16-501.3	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			
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	

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

Table IV – X
Source-specific Applicable Requirements
S943-TANK 691 SAFETY FLARE , 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
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	**General Provisions**	**Y**	
60.11	Compliance with standards and maintenance requirements	Y	
60.18	General control device requirements	Y	
BAAQMD Condition # 19528			
Part 1	Throughput limit (basis: Regulation 2-1-234.3, Regulation 2-1-403 Regulation 2-6-503)	Y	
Part 11A	Record Keeping (basis: 40 CFR 60; Regulation 2-1-403 Regulation 2-6-503)	Y	06/01/04

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	

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
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	
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)**		

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
9-10-502	Monitoring	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 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	

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 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 AUXILLIARY BURNER

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)**		
9-1-110	Conditional Exemption, Area Monitoring	Y	
BAAQMD Condition #			

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
19528			
Part 1	Throughput limit (basis: Regulation 2-1-234.3, Regulation 2-1-403 Regulation 2-6-503)	Y	

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 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)**		
9-1-302	General Emission Limitation	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)**		
9-10-111	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	

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
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 Condition # 19528			
Part 1	Throughput limit (basis: Regulation 2-1-234.3, Regulation 2-1-403 Regulation 2-6-503)	Y	

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)**		
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	
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann No. 1 Limitation	Y	
6-302	Opacity Limitation	Y	

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
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	
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	

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
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 # 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 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	

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 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	D
Part 4	In stack CEM requirement (basis: Reg. 9-10)	Y	
Part 4a	Continuous Opacity Monitor (basis: Reg. 6-302)	Y	June 1, 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	

Table IV - AA
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
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)**		
1-522	Continuous Emission Monitoring and Recordkeeping Procedures (applies to S908, S927, S937, S950)	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)**		
9-1-302	General Emission Limitation (applies when area monitors are not in operation)	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: 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	

Table IV - AA
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
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		
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 # 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	

Table IV - AA
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 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	
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 # 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	
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	

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 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	
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		

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 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	
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, S951 NO. 51 FURNACE, S971–NO. 53 FURNACE, S972–NO. 54 FURNACE, S973–NO. 55 FURNACE, S974–NO. 56 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)**		
1-520	Continuous Emission Monitoring (applies to S971, S972, S973, S974)	Y	

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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	
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	
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)**		
9-1-302	General Emission Limitation (applies when area monitors are not in operation and always applies to S-951)	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: 0.033 lb NOx/MMBTU	N	
9-10-301.1	...Start-up/Shutdown Contribution	N	

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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	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	
NSPS 40 CFR 60 Subpart A	**Standards of Performance for New Stationary Sources (12/23/71)**	Y	
60.7	Notification and Recordkeeping	Y	
60.8	Performance Tests	Y	
60.9	Availability of Information	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)**		
60.100	Applicability	Y	
60.104	Standards for Sulfur Oxides	Y	
60.104(a)(1)	fuel gas H2S concentration limited to 230 mg/dscm (0.10 gr/dscf) except for gas burned as a result of process upset or gas burned at flares from relief valve leaks or other emergency malfunctions	Y	
60.105	Monitoring of Emissions and Operations	Y	

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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)(3)(ii)	Excess SO_2 emission definitions for 60.7(c)	Y	
60.106	Test methods and procedures	Y	
BAAQMD Condition # 4357			
Part 1	Definitions (basis: definitions)	Y	
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			
Part A2A	S-974 Start-Up 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	

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

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 – 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	
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	

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
9-8-301.3	CO Limits	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, BACT)	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**

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)**		
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	

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
Part 7	Source test twice per year	Y	**July 31, 2005**

Table IV – AF
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)**		
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	

Table IV – AF
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 9, Rule 1	**Inorganic Gaseous Pollutants - Sulfur Dioxide (3/15/95; SIP approved 6/8/99)**		
9-1-302	General Emission Limitation (applies when area monitors are not in operation)	Y	
NSPS 40 CFR 60 Subpart A	**Standards of Performance for New Stationary Sources (12/23/71)**	Y	
60.7	Notification and Recordkeeping	Y	
60.8	Performance Tests	Y	
60.9	Availability of Information	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)**		
60.100	Applicability	Y	
60.104	Standards for Sulfur Oxides	Y	
60.104(a)(1)	fuel gas H2S concentration limited to 230 mg/dscm (0.10 gr/dscf) except for gas burned as a result of process upset or gas burned at flares from relief valve leaks or other emergency malfunctions	Y	
60.105	Monitoring of Emissions and Operations	Y	
60.105(a)(4)	monitoring requirement for H2S (dry basis) in fuel gas prior to combustion (in lieu of separate combustion device exhaust SO2 monitors as required by 60.105(a)(3))	Y	
60.105(e)(3)(ii)	Excess SO_2 emission definitions for 60.7(c)	Y	
60.106	Test methods and procedures	Y	
BAAQMD Condition # 4357	(Applies to S991 only)		
Part 1	Definitions	Y	

Table IV – AF
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 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	
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 **BAAQMD Condition # 18539**	Environmental Management Plan (basis: cumulative increase, offsets, BACT)	Y	
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	

Table IV – AF
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 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 # 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
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	

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	
Part A4	Record Keeping (basis: cumulative increase)	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 # 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	

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 Compounds – Process Vessel Depressurization (7/20/83)**		
8-10-301	Process Vessel Depressurizing	Y	
8-10-401	Recordkeeping	Y	
40 CFR 63 Subpart UUU	**National Emission Standards for Hazardous Pollutants for Petroleum Refineries: Catalytic Cracking Units, Catalytic Reforming Units, and Sulfur Recovery Units (4/11/02)**	**Y**	**April 11, 2005**
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 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
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	

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	
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	

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 # 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	

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	

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
8-33-304.1	Vapor Integrity Requirement	Y	
8-33-304.2	Vapor recovery requirement	Y	
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 Regulation 2-6-503)	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			
Part 1	Requirement for DAF Cover (basis: cumulative increase)	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
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	

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	

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)**	**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	
1-522	Continuous Emission Monitoring and Recordkeeping Procedures	Y/N	

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
1-522.1	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	
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	
6-305	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	
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	

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
9-1-313.1	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	
40 CFR 63 Subpart UUU	**National Emission Standards for Hazardous Pollutants for Petroleum Refineries: Catalytic Cracking Units, Catalytic Reforming Units, and Sulfur Recovery Units (4/11/02)**	**Y**	**April 11, 2005**
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	
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	

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 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	
BAAQMD Condition # 21053			
Part 1	Source Test to demonstrate compliance with 9-1-313.2 (95% removal)	Y	**04/01/2004**
Part 2	Monitoring to demonstrate compliance with 6-301 (Ringlemann 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)**		

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
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	
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 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	

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
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)**		
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	

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	

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
1-522.6	Accuracy	Y	
1-522.7	Excesses	N	
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	

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 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	

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	

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	
Part 3	Light Liquid Service Valve Technology Requirements (basis: cumulative increase, offsets, BACT)	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
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	
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	
	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**	

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: 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 – BA 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**	
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**	

Table IV – BA 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
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**	

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	
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	

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
	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				
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**	

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				

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**	
	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	

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, S214 – Tank A-214, 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, S248 – Tank A-248, 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, S391 – Tank A-391, 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) – Tank B-045, S46 (12759) – 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**	

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, S214 – Tank A-214, 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, S248 – Tank A-248, 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, S391 – Tank A-391, 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) – Tank B-045, S46 (12759) – 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**	

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	
8-8-305.1	Requirement for a solid, gasketed, fixed cover	Y	

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**	

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
	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 – 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**	

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
	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			
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, S22 – Tank A-022, S27 – Tank A-027, S29 – Tank A-029, S30 – Tank A-030, S56 – Tank A-056, S59 – Tank A-059,

S131 – Tank A-131,
S139 – Tank A-139, ,
S212 – Tank A-212,

S345 – Tank A-345, S434 – Tank A-434,
S452 – Tank A-452,

S493 – Tank A-493, S504 – Tank A-504, S527 – Tank A-527, S532 – Tank A-532, S643 – Tank A-643, 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	
	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**	
	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 – 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)**			
8-5-301	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**	
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**	

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 # 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	
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)**		
8-5-301	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	
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	

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
8-5-502	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 # 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)**			
8-5-301	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	
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	
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	

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
	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			
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)**		
8-5-301	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	

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
8-5-404	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	

Table IV – BO Cluster 13
Source-specific Applicable Requirements
S03 – Tank A-3, 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)**			
8-5-301	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	
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	

Table IV – BO Cluster 13
Source-specific Applicable Requirements
S03 – Tank A-3, 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 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	

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)**		
8-5-301	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	
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	

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
8-5-405	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	
	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	

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
	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	
	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	

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
	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	
	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	

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
	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	
	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	

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
60.115a(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	
	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	

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 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)**		
8-5-301	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	
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	

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
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	
	Temporary exemption from operating requirements while the external floating roof is landed on its support legs? *	60.112a(a)(1) **EXEMPT**	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
	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	
	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	

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
	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?	60.113a(a)(1) **not addressed ***		
	If unable to make safe to measure, must the EFRT be emptied?	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	
	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	

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: 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	
	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	

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
	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	
	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	

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
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)**		
8-5-301	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	
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	

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
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	
NSPS Subpart Kb	**Volatile Organic Liquid Storage Vessels** **REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS**		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
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	
	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	

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 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	
	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	

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
	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:	60.113b(b)(4) **make repairs within 45 days**		
	If unable to repair, empty the EFRT & remove from service?	60.113b(b)(4) **YES, within 45 days**	Y	
	EFR Primary Seal Gap Inspection Criteria: maximum area:	60.113b(b)(4)(i) **10 in2 per foot of**		
	maximum gap width:	**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:	60.113b(b)(4)(ii)(B) **1 in2 per foot of**		
	maximum gap width:	**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	

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
	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	
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	

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
	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	
	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	

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
60.7(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	
Part A5	Requirements for Alternative Material Storage (basis: cumulative increase, toxics)		Y	
Part A6	Record Keeping (basis: cumulative increase, toxics		Y	
BAAQMD Condition # 19528				

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 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

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)**		
8-5-301	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	
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	

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

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	
	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 EXTERNAL FLOATING ROOF TANKS**		Y	

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

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

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

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?	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	
	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	

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

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?	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:	60.113b(b)(4) **make repairs within 45 days**		
	If unable to repair, empty the EFRT & remove from service?	60.113b(b)(4) **YES, within 45 days**	Y	
	EFR Primary Seal Gap Inspection Criteria: maximum area:	60.113b(b)(4)(i) **10 in2 per foot of**		
	maximum gap width:	**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:	60.113b(b)(4)(ii)(B) **1 in2 per foot of**		
	maximum gap width:	**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	

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

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?	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	
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	

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

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

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

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 # 17477				
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	

Table IV – BV Cluster 23
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	**Organic Compounds - STORAGE OF ORGANIC LIQUIDS REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS**	**Y**	
117	**Exemption from Regulation 8, Rule 5, except for Section 307 which does not apply to this tank**	Y	
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 – BV Cluster 23
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	**Organic Compounds - STORAGE OF ORGANIC LIQUIDS REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS**	**Y**	
117	**Exemption from Regulation 8, Rule 5, except for Section 307 which does not apply to this tank**	Y	

Table IV – BV Cluster 23
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 – 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)**		
8-5-301	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	
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	

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
8-5-404	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	
	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	

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
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:	60.112b(a)(2)(i) **Not Allowed**		
	liquid-mounted primary seal:	**OK with rim-mounted secondary**		
	mechanical-shoe primary seal:	**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	
	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	

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
	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	
	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	

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
	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:	60.113b(b)(4) **make repairs within 45 days**		
	If unable to repair, empty the EFRT & remove from service?	60.113b(b)(4) **YES, within 45 days**	Y	
	EFR Primary Seal Gap Inspection Criteria: maximum area:	60.113b(b)(4)(i) **10 in2 per foot of vessel diameter**		
	maximum gap width:	**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:	60.113b(b)(4)(ii)(B) **1 in2 per foot of vessel diameter**		
	maximum gap width:	**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	

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
	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	
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	

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
	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	
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	

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
	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 # 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	

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)**		
8-5-301	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	

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
8-5-328	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**	

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	
	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	

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 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	
	IFRT REPAIRS: If unable to repair, empty the tank & remove from service?	60.113b(a)(2) **YES, within 45 days**	Y	

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
	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**	
<u>60.115b</u>	**Recordkeeping for inspections:** Keep inspection reports as specified.	60.115b **Keep for at least 5 years**	**Y**	
<u>60.115b(a)(2)-(5)</u>	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	

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
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	
	General recordkeeping requirements: Keep all reports and notification for the specified period of time.	60.7(f) **required**	Y	

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
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	

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)**			
8-5-301	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**	
	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**	

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 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**	
	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**	

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
	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**	
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**	

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
	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**	
	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**	
<u>60.115b</u>	**Recordkeeping for inspections:** Keep inspection reports as specified.	60.115b **Keep required records for 5 years**	**Y**	
<u>60.115b(a)(2)-(5)</u>	Records of IFR & CFR inspection reports:	60.115b(a)(2) **all IFR inspections**	**Y**	

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**	
	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**	

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
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	

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)**			
8-5-301	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	
	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	

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 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	
	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	

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
	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	
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	

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
	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	
	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	
<u>60.115b</u>	**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	

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
60.115b(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	
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	

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
	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 # 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)**		
8-5-301	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	
	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	

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
	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	
	IFR Rim Seals:			
	vapor-mounted primary seal:	60.112b(a)(1)(ii) **OK with rim-mounted secondary**		
	liquid-mounted primary seal:	**OK alone**		
	mechanical-shoe primary seal:	**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	

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 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	
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	

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
	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	
<u>60.115b</u>	**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	
<u>60.115b(a)(2)-(5)</u>	Records of IFR & CFR inspection reports:	60.115b(a)(2) **all IFR inspections**	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
	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	

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
60.7(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	

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)**		
8-5-301	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	

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
8-5-403	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	
	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	

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 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	
	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	

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 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	
	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	

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
	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	
	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	

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(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	
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 – 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
60.14(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 # 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	

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

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)**		
8-5-301	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	

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

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	
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	

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

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

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

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

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)**			
8-5-301	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	
	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	

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 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	
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	

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(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	
	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 – 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
60.14(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	
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 – 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)**			
8-5-301	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	
	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	

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 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	
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	

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
60.116b(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	
	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 – 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
60.14(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	

Table IV – CJ Cluster 26
Source-specific Applicable Requirements
S19 (12759) – Tank B-19, S21 (12759) – Tank B-021, S30 (12759) – Tank B-30, S49 (12759) – Tank B-49, S50 (12759) – 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)**		
8-5-301	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	
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	

Table IV – CJ Cluster 26
Source-specific Applicable Requirements
S19 (12759) – Tank B-19, S21 (12759) – Tank B-021, S30 (12759) – Tank B-30, S49 (12759) – Tank B-49, S50 (12759) – Tank B-050

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Condition # 10684	Permit Conditions Solely for S19 (12759) and S-50 (12759)		
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)**		
8-5-301	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	
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	

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
8-5-501	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	
	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	

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
	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	

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
	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	
	UNSAFE CONDITIONS: Delay of EFR seal gap measurements allowed for unsafe conditions?	63.646(a) 63.120(b)(7)(i) **up to 30 additional days**		
	If unable to make safe to measure, must the EFRT be emptied?	63.120(b)(7)(ii) **YES, within 45 days of determining unsafe**	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
	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	

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
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	

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: 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	

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
	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	
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)**		
8-5-301	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	
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	

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	

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	

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	
	EFR vents to be gasketed?	63.646(c) **not required at existing sources**	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
	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	
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	

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
	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	
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	

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
	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	

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

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)**		
8-5-301	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	
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: 63.646(a) 63.119(c)(1)(i) - (1)(iii) vapor-mounted primary seal: **Not Allowed** liquid-mounted primary seal: **OK with rim-mounted secondary** mechanical-shoe primary seal: **OK with rim-mounted secondary**	Y	

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

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

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

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	
	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	

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

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?	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	
	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	

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

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?	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	
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	

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

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

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

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 # 8636	**Permit Conditions** S33, S638, S692, S708			
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 – CM Cluster 26
Source-specific Applicable Requirements
S637 – Tank A-637, S702 – 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)**			
8-5-301	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	
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	

Table IV – CM Cluster 26
Source-specific Applicable Requirements
S637 – Tank A-637, S702 – Tank A-702

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

Table IV – CM Cluster 26
Source-specific Applicable Requirements
S637 – Tank A-637, S702 – Tank A-702

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	
	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	

Table IV – CM Cluster 26
Source-specific Applicable Requirements
S637 – Tank A-637, S702 – Tank A-702

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?	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	
	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	

Table IV – CM Cluster 26
Source-specific Applicable Requirements
S637 – Tank A-637, S702 – Tank A-702

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?	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	
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	

Table IV – CM Cluster 26
Source-specific Applicable Requirements
S637 – Tank A-637, S702 – Tank A-702

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

Table IV – CM Cluster 26
Source-specific Applicable Requirements
S637 – Tank A-637, S702 – Tank A-702

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 # 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)**		
8-5-301	Storage Tank Control Requirements	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
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	
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	

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
	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	

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
	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** **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	

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
	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	
	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	

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 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	
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	

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
	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	
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	

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
	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 # 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
S134 – Tank A-134, 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)**		
8-5-301	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	
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	
63.646(a)	**EFR Rim Seals:** 63.646(a) 63.119(c)(1)(i) - (1)(iii) vapor-mounted primary seal: **Not Allowed** liquid-mounted primary seal: **OK with rim-mounted secondary** mechanical-shoe primary seal: **OK with rim-mounted secondary**	Y	

Table IV – CO Cluster 26
Source-specific Applicable Requirements
S134 – Tank A-134, S135 – Tank A-135

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

Table IV – CO Cluster 26
Source-specific Applicable Requirements
S134 – Tank A-134, S135 – Tank A-135

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	
	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	

Table IV – CO Cluster 26
Source-specific Applicable Requirements
S134 – Tank A-134, S135 – Tank A-135

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?	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	
	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	

Table IV – CO Cluster 26
Source-specific Applicable Requirements
S134 – Tank A-134, S135 – Tank A-135

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?	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	
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	

Table IV – CO Cluster 26
Source-specific Applicable Requirements
S134 – Tank A-134, S135 – Tank A-135

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

Table IV – CO Cluster 26
Source-specific Applicable Requirements
S134 – Tank A-134, S135 – Tank A-135

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 # 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	

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)**			
8-5-301	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	
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	

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
	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	
	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	

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: 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 in^2 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 in^2 per foot of vessel diameter** **0.5 in.**	Y	

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
	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	
	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	

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?	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	
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	

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
	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	
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	

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
	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 # 19528				
Part 1	Throughput limit (basis: Regulation 2-1-234.3, Regulation 2-1-403 Regulation 2-6-503)		Y	

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)**		
8-5-301	Storage Tank Control Requirements	Y	

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
8-5-302	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	
	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	

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	

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	
63.646(g)	**This notes that the failure to perform inspections and required monitoring is a violation of the application standard.**		Y	

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(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	
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	

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
	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				
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)**			
8-5-301	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	
	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	

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
	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	
	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	

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 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	
	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	

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
63.646(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	
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	

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
	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**			
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 – 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)**			
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	
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	

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
	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 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	

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
	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	
	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	

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(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	
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	

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(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 # 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 – Out-Of-Service
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)**			
8-5-301	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	
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	

Table IV – CS Cluster 27 – Out-Of-Service
Source-specific Applicable Requirements
S612 – Tank A-612

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

Table IV – CS Cluster 27 – Out-Of-Service
Source-specific Applicable Requirements
S612 – Tank A-612

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?	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	
	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	

Table IV – CS Cluster 27 – Out-Of-Service
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(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	
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	

Table IV – CS Cluster 27 – Out-Of-Service
Source-specific Applicable Requirements
S612 – Tank A-612

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 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	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	
Part 3	Throughput limit (basis: cumulative increase, toxics)		Y	
Part 4	Material stored (basis: cumulative increase, toxics)		Y	
Part 5	Record keeping (cumularive increase, toxics)		Y	
BAAQMD Condition # 19528				

Table IV – CS Cluster 27 – Out-Of-Service
Source-specific Applicable Requirements
S612 – Tank A-612

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 – CT Cluster 27 – Out-Of-Service
Source-specific Applicable Requirements
S619 – Tank A-619

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)**		
8-5-301	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:** 63.642(e) & 63.654(i)(4) **keep all other records 5 years, retrievable within 24 hr** Time period for keeping records, unless specified otherwise.	Y	

Table IV – CT Cluster 27 – Out-Of-Service
Source-specific Applicable Requirements
S619 – Tank A-619

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	
63.646(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	
	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	

Table IV – CT Cluster 27 – Out-Of-Service
Source-specific Applicable Requirements
S619 – Tank A-619

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

Table IV – CT Cluster 27 – Out-Of-Service
Source-specific Applicable Requirements
S619 – Tank A-619

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

Table IV – CT Cluster 27 – Out-Of-Service
Source-specific Applicable Requirements
S619 – Tank A-619

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

Table IV – CT Cluster 27 – Out-Of-Service
Source-specific Applicable Requirements
S619 – Tank A-619

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 # 19528			
Part 1	Throughput limit (basis: Regulation 2-1-234.3, Regulation 2-1-403 Regulation 2-6-503)	Y	

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)**		
8-5-301	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	

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
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	
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	

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
63.654(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	
	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	

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 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	

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)**		
8-5-301	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	

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
8-5-328	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	

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	
	Control device (flare) Compliance demonstration:	63.646(a) 63.120(e) **demonstrate compliance with 63.11(b)**	Y	
	Control device (flare) Operating requirements:	63.646(a) 63.120(e) **operate per 63.11 (b)**	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	

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
	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	
	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	

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 4	Vacuum regulator set pressures (basis: cumulative increase)	Y	
BAAQMD Condition # 13605	**Permit Conditions for S323**		
Part 1	Throughput limitations (basis: cumulative increase)	Y	
Part 2	Storage of materials other than methanol or gasoline (basis: cumulative increase, toxics)	Y	
Part 3	Requirement for continuous abatement and leak limitation (basis: cumulative increase, NSPS)	Y	
Part 4	Record keeping (basis: cumulative increase, toxics)	Y	
BAAQMD Condition # 21053			
Part 3	Source Test for S-323 abatement A-14 (98% 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	

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)**		
8-5-301	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	

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
8-5-403	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 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	

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
	Control device (flare) Compliance demonstration:	63.646(a) 63.120(e) **demonstrate compliance with 63.11(b)**	Y	
	Control device (flare) Operating requirements:	63.646(a) 63.120(e) **operate per 63.11 (b)**	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	

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
	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 # 19528				
Part 1	Throughput limit (basis: Regulation 2-1-234.3, Regulation 2-1-403 Regulation 2-6-503)		Y	

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)**			
8-5-301	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 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	

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
	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	
	Control device (flare) Compliance demonstration:	63.646(a) 63.120(e) **demonstrate compliance with 63.11(b)**	Y	
	Control device (flare) Operating requirements:	63.646(a) 63.120(e) **operate per 63.11 (b)**	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	

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
	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	
	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	

Table IV – CY Cluster 28 – Out-Of-Service
Source-specific Applicable Requirements
S21 – Tank A-021

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)**			
8-5-301	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 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	

Table IV – CY Cluster 28 – Out-Of-Service
Source-specific Applicable Requirements
S21 – Tank A-021

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	
	Control device (flare) Compliance demonstration:	63.646(a) 63.120(e) **demonstrate compliance with 63.11(b)**	Y	
	Control device (flare) Operating requirements:	63.646(a) 63.120(e) **operate per 63.11 (b)**	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	

Table IV – CY Cluster 28 – Out-Of-Service
Source-specific Applicable Requirements
S21 – Tank A-021

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	
	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	

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 - 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
Area 5 - Fire Grounds	X	X							No [2]
Area 5 - Transportation	X	X							No [2]

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 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.

Table IV – DA
Applicable Requirements
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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	
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	

Table IV – DA
Applicable Requirements
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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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	
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	

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

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

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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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	
60.483-2	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	
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	

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

Table IV – DA
Applicable Requirements
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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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	
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	

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

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

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

V. SCHEDULE OF COMPLIANCE

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

VI. PERMIT CONDITIONS

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

Condition # 267

S1401 Sulfur Recovery Unit
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)

Condition # 573

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)

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. Permittee/Owner/Operator shall ensure that the total amount of Nuodex Solution injected at S-903 does not exceed 1000 gallons in any consecutive 24 hour period. (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 (or chemical equivalent) injected. These records shall be kept on site and be available for inspection by District personnel for a period of 5 years from the date on which a record is made. (basis: cumulative increase)

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

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

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
	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

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

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.

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)

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. 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)

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)

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.
   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 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:
      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)

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
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)

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.
   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, 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)
   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.
   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. 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. 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
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.
    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 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.
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)

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)

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)

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)

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 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 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)

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)

Condition # 6740

S612 Tank A-612

PERMIT CONDITIONS FOR S-612, 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-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. 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. Permittee/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. Permittee/Owner/Operator shall ensure that only gasoline 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 made available for District inspection for a period of 5 years from the date that the last record was made.

   (basis: cumulative increase)

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

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 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)

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.
- 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.

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)

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)

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)

6. 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
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

A2A. For S-974, the total start-up 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. For S-974, the total start-up time shall not exceed 144 hours during any rolling 12 consecutive month period. During the start up period for S-974, NOx emissions from S-974 shall not exceed 146 pounds during

any rolling 24 consecutive hour period. During the start up 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 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)

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.

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 ***

* 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.

(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 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:

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-1020, and S-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. 2 H2 Plant Reforming Furnace, S-1031

- No. 2 H2 Plant NH3 Dissociation Furnace, S-1032
- 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)

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)

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 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.

A. Within 48 months of the issuance of the Authority to Construct upon which this Conditional Permit is based, t 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. This limitation shall be achieved by means of the installation at the Clause unit of a new tail gas unit with a minimum capacity adequate to achieve this degree of control. In the event that the Authority to Construct upon which this Conditional Permit is based is challenged or appealed before the District's Hearing Board or before any court of competent jurisdiction, the deadline for final compliance set forth hereinabove will be extended until 48 months after the final judicial or quasi- judicial resolution of any such challenge or appeal; but, in no such event shall such deadline be extended beyond January 1, 1989.

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-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)

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 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 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)

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
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 25,000 barrels of naphtha per day, based on a rolling 365-day

average and that not more than 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 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 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. For each seal, the time interval between such certifications shall not exceed 10 years. (basis: cumulative increase, Regulation 8-5)

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)

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 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)

Condition # 9604

S-780: MAINTENANCE COATING FACILITY

1. The total amount of all coatings applied at S-780 shall not exceed 383 gallons during any consecutive 12 month period. (basis: cumulative increase)

2. The net amount of solvent used for surface preparation and cleanup at S-780 shall not exceed 450 gallons in any consecutive 12 month period. (basis: cumulative increase)

3. In order to demonstrate compliance with the above conditions, the following records shall be maintained in a District approved log. These records shall be kept on site and made available for District inspection for a period of 5 years from the date on which a record is made.
   a. The type, VOC content as applied, and amount of coating applied daily.
   b. The substrate to which the coating is applied and the Rule and Section Number of Regulation 8 which limits the VOC content of the coating.
   c. The type and amount of solvent used for surface preparation or cleanup on a daily basis.
   d. The daily quantities shall be totalled on a monthly basis.

   (basis: cumulative increase)

Condition # 9875

S1452 Oil-Water Separator

PERMIT CONDITIONS FOR S-1452, HYDROCARBON RECOVERY SYSTEM:

1. Permittee/Owner/Operator shall implement an inspection and maintenance program for all pumps, valves and flanges in this project accordance with District Regulation 18 and 25.
   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 or 25 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)
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. Permittee/Owner/Operator shall submit a final count of new pumps, valves, and flanges within 30 days of start-up of S-1452. 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 offsets, at the offset ratio triggered at the time of S-1452 permit issuance, for any adjusted cumulative which results in an increase in emissions.
   (basis: cumulative increase, offsets)

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]

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)

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. The types of materials stored and the dates that the materials were stored. b. The total throughput of each material stored, summarized on a monthly basis.
(basis: cumulative increase, toxics, offsets)

Condition # 10684

S21 Plant 12759
S50 Plant 12759

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)

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)

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
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)

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. 2 above and Condition ID 4357, part 2, Permittee/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. 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)

6. 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)

Condition # 11609

S32103 Fugitive Components Compressor Seals and Pump Seals

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)

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)

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 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, S-312, AND S-314,
INTERNAL FLOATING ROOF STORAGE TANKS:

1. The floating roofs and primary and secondary seals installed on storage tanks S-280, S-311, 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, 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
Permit Conditions

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)

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

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	according	(a) dual mechanical

Seals		to Reg 8, Rule 25	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 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 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)

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)

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)

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)

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 Sleeve	Slotted guide pole; gasketed, sliding cover, w/ float and
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)
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

1. Permittee/Owner/Operator shall ensure that the throughput of all VOC/petroleum materials at S-323 (Tank 323) does not exceed 11,000,000 barrels during each rolling 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-323 (Tank 323) organic liquid storage tank do not exceed 0.865 tons during each rolling consecutive 12 month period.
(basis: cumulative increase)

2. The permittee/owner/operator may store hydrocarbon materials other than methanol and gasoline, provided the following two criteria are met:
   a) the true vapor pressure of the alternate material is not greater 2.0 psia, and

b) the resulting toxic risk from the tank does not cause the tank to fail a risk screen analysis.
(basis: cumulative increase, toxics)

3. Permittee/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 98% on a mass basis. In accordance with the NSPS requirments of 10 CFR 60, Subpart Kb, Permittee/Owner/Operator shall ensure that this tank is maintained leak-free (less than 500 ppm above background as methane). (basis: cumulative increase, NSPS)

4. To demonstrate compliance with the above conditions, not less frequently than monthly, Permittee/Owner/Operator shall maintain the following records in a District approved log that shall be kept on site and made available for District inspection for a period of 5 years from the date on which the last 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)

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 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 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	848	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 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 1, Table 316. (basis: cumulative increase, toxics)

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) 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 Permit Services Division to the attention of W. deBoisblanc, referencing plant #13. (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 Permit Services Division to the attention of W. deBoisblanc, referencing plant #13. (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.

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 848 MMBTU/hr (HHV) heat input at any time.
(basis: cumulative increase, offsets, toxics)

1a. S-904, boiler #5 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)

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)

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.

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 is emitted from S-1461 in an amount in excess of the toxin's respective trigger level set forth in Table 2-1-316. (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:
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 is emitted from S-1462 in an amount in excess of the toxin's respective trigger level set forth in Table 2-1-316. (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)
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 is emitted from S-1463 in an amount in excess of the toxin's respective trigger level set forth in Table 2-1-316. (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)
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 is emitted from S-1464 in an amount in excess of the toxin's respective trigger level set forth in Table 2-1-316. (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)
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 is emitted from S-1465 in an amount in excess of the toxin's respective trigger level set forth in Table 2-1-316. (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 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
Plant #12758

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

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
S-950	440	3,854,400
S-971	300	2,628,000
S-972	45	394,200

(basis: Regulation 9, Rule 10)

4.) 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)

5.) 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.) 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.) 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:
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.) 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.) 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.) 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.) 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.
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.) 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.) 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, the allowable 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.) 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.) 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 Permit Services Division.
(basis: Regulation 9, Rule 10)

16.) 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 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.) 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 and the exhaust gasses from 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. (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)

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)

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)

Condition # 18379

Application #3180
Plant #12758

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 Permit Services 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 Permit Services 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)

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 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 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 Permit Services 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 Permit Services 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.
(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 # 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 Permit Services 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)

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 Permit Services 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 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 Permit Services 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 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)

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 Permit Services 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 XXXX ppm 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.) 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)

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 Permit Services 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 XXXX ppm 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.) 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.
(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 Permit Services 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)

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 Permit Services 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 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)

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. The 144 hours is for start-up of S-1106. At all times other than the 144 hours per 12 consecutive month period, 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)

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 Permit Services 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 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 Permit Services 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 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 Permit Services 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 Permit Services 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 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 Permit Services 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 Permit Services 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 Permit Services Division.
(basis: Regulation 2-1-403; Regulation 9-10, Regulation 2-6-503)

8) 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 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 Permit Services 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 Permit Services 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 SO_3 and H_2S0_4 emission rate per dry standard foot of exhaust volume, expressed as 100% H_2S0_4. 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 Permit Services Division.
(basis: Regulation 2-1-403; Regulation 6-330, Regulation 2-6-503)

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 Permit Services.
(basis: Regulation 2-1-403; Regulation 8-2, Regulation 2-6-503)

11) Permittee/Owner/Operator shall ensure that each of S-854, , S-992, and S-1013 is used to burn only process upset gasses and/or fuel gas that is released to the flare as a result of relief valve leakage or other emergency malfunctions. (basis: 40 CFR 60.104; Regulation 2-1-403, Regulation 2-6-503)

11A) Effective June 1, 2004, in a District approved log, for each of S-854, S-943, S-944, S-945, S-992, S-1012, and S-1013, Permittee/Owner/Operator shall record each and every flaring event. This log shall be made available to the District upon request, and it shall be kept on site for a period of not less than 5 years from the date of the last entry made in the log. (basis: 40 CFR 60.104; Regulation 2-1-403, Regulation 2-6-503)

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 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)

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, 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 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-99 is not in operation for the entire month, Permittee/Owner/Operator need not complete this inspection for S-99. This monitoring requirement shall take effect on April 1, 2004. (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)

16. Deleted, startup and shutdown does not apply.

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.
(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 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.
(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)

Condition 21053

Tesoro Refining and Marketing Company
150 Solano Way
Martinez, CA 94533

1. The Owner/Operator shall conduct an annual District-approved test to demonstrate that 95% of the H2S in the refinery fuel gas is removed and recovered on a refinery-wide basis and 95% of the H2S in the process water streams is removed and recovered on a refinery-wide basis AND 95% of the ammonia in the process water stream is removed. The Owner/Operator shall submit the test results to the District's Compliance and Enforcement Division and the District's Permit Services Division no less than 30 days after the test. The test shall include sampling of the inlet and outlet of the fuel gas scrubber and sour water stripper towers. [Basis: Regulation 9-1-313.2]

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 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 98%, by weight, for VOC. The Owner/Operator shall submit the test results to the District’s Compliance and Enforcement Division and the District’s Permit Services 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 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.

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 8-10-301	Y		abatement of emissions from process vessel depressurization is required until pressure is reduced to less than 1000 mm Hg	8-10-401.2	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
	40 CFR 63.647	Y		Reporting and Recordkeeping	40 CFR 63.654(a)	C	Report and Records

VII. Applicable Limits and Compliance Monitoring Requirements

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	none	N	Visual Inspection
FM	BAAQMD Regulation 6-310	Y		No emissions from source > 0.15 grains per dscf of exhaust gas volume	none	N	None

VII. Applicable Limits and Compliance Monitoring Requirements

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

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

VII. Applicable Limits and Compliance Monitoring Requirements

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 ≤ 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 ≤ 0.42 lb/1000 gallon	none	N	N/A
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

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	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	P/E	Records

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

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
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

Table VII – J
Applicable Limits and Compliance Monitoring Requirements
S659-TANK A-659 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		Ringelmann No. 1	BAAQMD Condition # 19528, Part 14a	P/D	Visual
PM	BAAQMD 6-305	Y		prohibition of nuisance fallout	BAAQMD Condition # 19528, Part 14a	P/D	Visual

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

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 # 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

Table VII – Ja
Applicable Limits and Compliance Monitoring Requirements
S660-TANK A-660 COKE STORAGE TANK
S808-COKE HANDLING; COKER SLUICE TANK, 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		Ringelmann No. 1	BAAQMD Condition # 19528, Part 14	P/Daily	Visual Inspection

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – Ja
Applicable Limits and Compliance Monitoring Requirements
S660-TANK A-660 COKE STORAGE TANK
S808-COKE HANDLING; COKER SLUICE TANK, 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
PM	BAAQMD 6-305	Y		prohibition of nuisance fallout	BAAQMD Condition # 19528, Part 14	P/Daily	Visual Inspection
FP	BAAQMD 6-310	Y		0.15 grain/dscf	BAAQMD Condition # 19528, Part 14	P/Daily	Visual Inspection
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 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

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
SO2	BAAQMD 9-1-313.2	N		Removal and recovery of 95% of H2S in refinery fuel gas AND 95% of H2S in process water streams on a refinery-wide basis	None	N	N/A
SO2	SIP Regulation 9-1-313.2	Y		95% of H2S in refinery fuel gas is removed and recovered on a refinery-wide basis AND 95% of H2S in process water streams is removed and recovered on a refinery-wide basis	none	N	N/A
NH3	BAAQMD 9-1-313.2	N		Removal of 95% of ammonia in process water streams	None	N	N/A
	SIP 9-1-313.2	Y		Removal of 95% of ammonia in process water streams	None	N	N/A

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	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-806 No. 5 Boiler Electrostatic 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

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

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
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	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)
VOC	BAAQMD 8-8-302.3	Y		95% collection and destruction			

VII. Applicable Limits and Compliance Monitoring Requirements

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	none	N	None
PM	BAAQMD 6-304	Y		tube cleaning	none	N	N/A
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

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)	60.105(a)(3)	C	Records
SO2	60.104(a)(1)	Y		None	Condition # 19528 Part 11A	P/E	Records

VII. Applicable Limits and Compliance Monitoring Requirements

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
VOC	BAAQMD Regulation 8-2-301	Y		Emissions < 15 lb/day and Concentration > 300 ppm	none	N	N/A
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 - 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
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	none	N	N/A

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 determination

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
	BAAQMD Condition 19199, Part D5	Y		POC content < XXX ppm	BAAQMD Condition 19199, Part D6	P/once per week	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	none	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

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 E5	Y		POC content < XXX ppm	BAAQMD Condition 19199, Part E6	P/once per week	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	none	N	N/A

VII. Applicable Limits and Compliance Monitoring Requirements

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

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 $\leq$ 354.4 tpy	BAAQMD Condition # 11433, Part 4	C	Monitor
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

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	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 $\leq$ 121.9 tpy	BAAQMD Condition # 11433, Part 4	C	Monitor
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 $\leq$ 151.5 tpy	BAAQMD Condition # 11433, Part 4	C	Monitor
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

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
	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		0.15 grain/dscf		N	
	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 $\leq$ 5.8 tpy	BAAQMD Condition # 11433, Part 4	C	Monitor
SO2	BAAQMD Condition # 11433, Part 2	Y		Total from S-802/S-901 $\leq$ 1335.5 tpy	BAAQMD Condition # 11433, Part 4	C	Monitor
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: 848 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	C	CEM

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – W
Applicable Limits and Compliance Monitoring Requirements

S904-NO. 6 BOILERHOUSE, CAPACITY: 848 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
Visible Emissions	BAAQMD 6-301	Y		Ringelmann No. 1 for no more than 3 minutes/hour	None	N	None
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		0.15 grain/dscf	BAAQMD Condition # 17322, Part 4a	C	COM
	BAAQMD 6-310.3	Y		0.15 grain/dscf @ 6% O2	BAAQMD Condition # 17322, Part 4a	C	COM
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 - 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

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	Y		Refinery-wide emissions (excluding CO Boilers): 0.033 lb NOx/ MMBTU	BAAQMD 9-10-502 and BAAQMD Condition 19528 part 4	P/Twice per year	Source Test

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 9-10-303	Y		Federal interim emissions: Refinery-wide emissions (excluding CO Boilers): 0.20 lb NOx/MMBTU	BAAQMD 9-10-502 and BAAQMD Condition 19528 part 4	P/Twice Per Year	Source Test
O2		Y	7/1/02	No limit	BAAQMD 9-10-502	C	CEM
CO	BAAQMD 9-10-305	N		400 ppmv (dry, 3% O_2)	BAAQMD 9-10-502 and and BAAQMD 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

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	Y		Refinery-wide emissions (excluding CO Boilers): 0.033 lb NOx/ MMBTU	BAAQMD 9-10-502 and BAAQMD 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 9-10-502 and BAAQMD Condition 19528 part 5	P/Twice Per Year	Source Test
O2		Y	7/1/02	No limit	BAAQMD 9-10-502	C	CEM
CO	BAAQMD 9-10-305	N		400 ppmv (dry, 3% O_2)	BAAQMD 9-10-502 and BAAQMD Condition 19528 part 5	P/Twice Per Year	Source Test

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
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
NOx	BAAQMD 9-10-301	Y		Refinery-wide emissions (excluding CO Boilers): 0.033 lb NOx/ MMBTU	BAAQMD 9-10-502 and BAAQMD Condition 19528 part 6	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 9-10-502 BAAQMD Condition 19528 part 6	P/Once Per year	Source Test
O2		Y	7/1/02	No limit	BAAQMD 9-10-502	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		400 ppmv (dry, 3% O_2)	BAAQMD 9-10-502 and BAAQMD 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 - 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
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/Semi-Annual	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		0.15 grain/dscf	BAAQMD Condition # 573, Part 9a	C	COM
	BAAQMD 6-310.3	Y		0.15 grain/dscf @ 6% O2	BAAQMD Condition # 573, Part 9a	C	COM
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	Y		Refinery-wide emissions (excluding CO Boilers): 0.033 lb NOx/ MMBTU	BAAQMD 9-10-502	C	CEM
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

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		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/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

Table VII - AC
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	Y		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 - AC
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		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/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
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 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		56 ppmv, dry, at 15% oxygen	BAAQMD Condition 19528 part 7	P/Twice per year	Source Test
CO	BAAQMD 9-8-301.3	Y		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 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		140 ppmv, dry, at 15% oxygen	BAAQMD Condition 19528 part 7	P/Twice per year	Source Test
CO	BAAQMD 9-8-301.3	Y		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. 55 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	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
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/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

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
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

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	

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
	BAAQMD 6-310.3	Y		0.15 grain/dscf @ 6% O2		N	
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
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 - 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
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	SIP Regulation 9-1-313.2	Y		95% of H2S in refinery fuel gas is removed and recovered on a refinery-wide basis AND 95% of H2S in process water streams is removed and recovered on a refinery-wide basis	BAAQMD Condition 21053 Part 1	P/A	Source Test

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	BAAQMD 9-1-313.2	Y		95% of H2S in refinery fuel gas is removed and recovered on a refinery-wide basis AND 95% of H2S in process water streams is removed and recovered on a refinery-wide basis AND 95% of ammonia in process water streams is removed; refineries which remove the equivalent of 16.5 ton/day or more of elemental sulfur shall install a sulfur recovery plant or sulfuric acid plant	BAAQMD Condition 21053 Part 1	P/A	Source Test
SO2	BAAQMD Regulation 9-1-307	Y		250 ppmv, dry, at 0% oxygen	Regulation 1-520.4	C	CEM
Opacity	BAAQMD 6-301	Y		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
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		0.08 grain/dscf exhaust concentration of SO3 and H2SO4, expressed as 100% H2SO4	BAAQMD Condition 19528 part 9	P/A	Source Test

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
Opacity	BAAQMD 6-301	Y		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
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		Ringelmann No. 1	BAAQMD Condition # 19528, Part 15	P/Monthly	Visual Inspection

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
PM	BAAQMD 6-305	Y		prohibition of nuisance fallout	BAAQMD Condition # 19528, Part 15	P/Monthly	Visual Inspection
FP	BAAQMD 6-310	Y		0.15 grain/dscf	BAAQMD Condition # 19528, Part 15	P/Monthly	Visual Inspection
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 15	P/Monthly	Visual Inspection

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

VII. Applicable Limits and Compliance Monitoring Requirements

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
Opacity	BAAQMD 6-301	Y		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		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-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	

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		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

VII. Applicable Limits and Compliance Monitoring Requirements

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

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		true vapor pressure less than or equal to 25.8 mm Hg (0.5 psia)	BAAQMD Condition #19528, Part 12	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 – 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		true vapor pressure less than or equal to 25.8 mm Hg (0.5 psia)	BAAQMD Condition #19528, Part 12	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**						

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**						

VII. Applicable Limits and Compliance Monitoring Requirements

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
VOC	Regulation 8-5-117	Y		true vapor pressure less than or equal to 25.8 mm Hg (0.5 psia)	BAAQMD Condition #19528, Part 12	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 – 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**						

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
VOC	Regulation 8-5-117	Y		true vapor pressure less than or equal to 25.8 mm Hg (0.5 psia)	BAAQMD Condition #19528, Part 12	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		true vapor pressure less than or equal to 25.8 mm Hg (0.5 psia)	BAAQMD Condition #19528, Part 12	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		true vapor pressure less than or equal to 25.8 mm Hg (0.5 psia)	BAAQMD Condition #19528, Part 12	Periodic/ upon initial change of service	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		true vapor pressure less than or equal to 25.8 mm Hg (0.5 psia)	BAAQMD Condition #19528, Part 12	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, S214 – Tank A-214, 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, S248 – Tank A-248, 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, S391 – Tank A-391, 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) – Tank B-045, S46 (12759) – 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		true vapor pressure less than or equal to 25.8 mm Hg (0.5 psia)	BAAQMD Condition #19528, Part 12	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
Organic com-pounds	BAAQMD 8-8-305.1	Y		no cracks or gaps greater than 0.32 cm (0.125 inch) occur in the roof or between the roof and wall	BAAQMD 8-8-305.1	P/SA	Visual inspection

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		true vapor pressure less than or equal to 25.8 mm Hg (0.5 psia)	BAAQMD Condition #19528, Part 12	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 – 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		true vapor pressure less than or equal to 25.8 mm Hg (0.5 psia)	BAAQMD Condition #19528, Part 12	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, S22 – Tank A-022, S27 – Tank A-027, S29 – Tank A-029, S30 – Tank A-030, S56 – Tank A-056, S59 – Tank A-059, S69 – Tank A-069S131 – Tank A-131, S139 – Tank A-139, S152 – Tank A-152, S153 – Tank A-153, S345 – Tank A-345, S435 – Tank A-4S448 – Tank A-448, S452 – Tank A-452, S456 – Tank A-456, S493 – Tank A-493, S504 – Tank A-504, S527 – Tank A-527, S532 – Tank A-532, S643 – Tank A-643, S662 – Tank A-662, S663 – Tank A-663, S741 – Tank, S3 (12759) – Tank B-003, S5 (12759) – Tank B-005, S6 (12759) – Tank B-006, S41 (12759) – Tank B-041, S42 (12759) – Tank B-042, S43 (12759) – Tank B-043, S47 (12759) – Tank B-047, S48 (12759) – Tank B-048, S51 (12759) – 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		true vapor pressure less than or equal to 25.8 mm Hg (0.5 psia)	BAAQMD Condition #19528, Part 12	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 – 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 – 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	not specified	MOP Volume IV ST-4
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

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
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
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

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 8-5-328.1.2	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

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

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	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 8-5-328.1.2	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 – 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
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 8-5-328.1.2	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 – 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		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

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	not specified	MOP Volume IV ST-4
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

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
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 8-5-328.1.2	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
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	

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	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**						
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

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 8-5-322	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 8-5-328.1.2	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
NSPS Ka	**Petroleum Liquids Storage Vessels LIMITS AND MONITORING FOR EFRTs**						
VOC	60.112a (a)(1)(iii) & (iv)	Y		Deck fitting closure standards		none specified	
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

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

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 8-5-328.1.2	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
NSPS Kb	**Volatile Organic Liquid Storage Vessels LIMITS AND MONITORING FOR EFRTs**						

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

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)(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**						
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 – 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 8-5-321	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 8-5-328.1.2	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
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

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	60.116b (c)	Y		True vapor pressure determination	60.116b (e)	periodic initially and upon change of service	calculate

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

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 8-5-305, 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 8-5-328.1.2	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

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 8-5-320	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 8-5-328.1.2	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**						

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	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 8-5-328.1.2	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 – 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		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 – 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
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 8-5-328.1.2	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 – 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		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 – 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**						
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 8-5-328.1.2	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 – 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		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
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

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	not specified	MOP Volume IV ST-4
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, or a flare per 60.18	60.113b (c)(2) & (d)	P/Every other year	specified parameter

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – BT
Cluster 25
Applicable Limits and Compliance Monitoring Requirements
CLOSED VENT SYSTEMS & CONTROL DEVICES
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	not specified	MOP Volume IV ST-4
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, or a flare per 60.18	60.113b (c)(2) & (d)	as approved	specified parameter

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	not specified	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 8-5-328.1.2	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, or a flare per 60.18	60.113b (c)(2) & (d)	as approved	specified parameter

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) – Tank B-19, S21 (12759) – Tank B21, S30 (12759) – Tank B-30, S49 (12759) – Tank B-49, S50 (12759) – 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

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) – Tank B-19, S21 (12759) – Tank B21, S30 (12759) – Tank B-30, S49 (12759) – Tank B-49, S50 (12759) – 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	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 8-5-328.1.2	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**						
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

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) – Tank B-19, S21 (12759) – Tank B21, S30 (12759) – Tank B-30, S49 (12759) – Tank B-49, S50 (12759) – 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
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

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

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
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**						
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

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

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 8-5-328.1.2	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

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
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**						
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

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 8-5-320	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 8-5-328.1.2	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
Refinery MACT	**NESHAP for Petroleum Refineries** **LIMITS AND MONITORING FOR IFRTs**						

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(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 – BZ
Cluster 27 Out of Service
Applicable Limits and Compliance Monitoring Requirements
INTERNAL FLOATING-ROOF TANKS
S612 – TANK A-612, S619 – TANK A-619

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 8-5-328.1.2	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 – BZ
Cluster 27 Out of Service
Applicable Limits and Compliance Monitoring Requirements
INTERNAL FLOATING-ROOF TANKS
S612 – TANK A-612, S619 – TANK A-619

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
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	not specified	MOP Volume IV ST-4
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
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

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)(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 – 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	not specified	MOP Volume IV ST-4

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
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 98% efficiency requirement	BAAQMD Condition 21053 Part 3	P/A	ST-4
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
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

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) 63.120 (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		11,000,000 barrels per 12 consecutive month period or 0.865	BAAQMD Condition # 13605, part 1	P/monthly	Record keeping or calculation

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	not specified	MOP Volume IV ST-4
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), 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
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)

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		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 – 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	not specified	MOP Volume IV ST-4
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

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
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
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 – CE
Cluster 28 – Out-Of-Service
Applicable Limits and Compliance Monitoring Requirements
CLOSED VENT SYSTEMS & CONTROL DEVICES
S21 – Tank A-021

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	not specified	MOP Volume IV ST-4
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), 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
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

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – CE
Cluster 28 – Out-Of-Service
Applicable Limits and Compliance Monitoring Requirements
CLOSED VENT SYSTEMS & CONTROL DEVICES
S21 – Tank A-021

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(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 – 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
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

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. 8-18-306.1	Y		Valve, pressure relief, pump or compressor must be repaired within 5 years or at the next scheduled turnaround	None	N	
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. 8-18-306.3.2	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 POC	BAAQMD Reg. 8-18-306.3.3 BAAQMD Reg. 8-18-307	Y Y		Total valve, pressure relief, pump or compressor leaks ≥ 15 lb/day, they must be repaired within 7 days Liquid Leak more than 3 drops/min, unless minimized with 24 hrs & repaired within 7 days	None None	N N	
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	

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.8-28-304	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
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 (b)	Y		Vapor recovery greater than or equal to 95%	60.695	C	CEM
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

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 60.482-3 (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.
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

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	60.482-2 (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	60.482-8 (b)	Y		Pump leak ≥ 10,000 ppm	60.482-8 (a)	P/5 days	Visual, audible, olfactory Inspection; Measure for leaks
VOC	60.482-7(f)	Y		Designated "No detectable emissions" ≤ 500 ppm	60.482-7 (f)(3)	P/A	Measure for leaks
VOC	60.482-8(a)	Y		Pumps and valves in heavy liquid service, Pressure Relief devices (light or heavy liquid), Flanges, Connectors leak shall be measured for leak in 5 days if detected by inspection	60.482-8(a)	P/E	Visible, Audible, or olfactory Inspection
VOC	60.482-8(b)	Y		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%		N	
VOC	60.482-10 (c)	Y		Combustion devices ≥ 95% destruction efficiency or ≥ 0.75 seconds and ≥ 816°C		N	
VOC	60.482-10 (g)	Y		Closed-vent systems leak ≥ 500 ppm and visible leak indication	60.482-10 (f)	P/A	Measure for leaks; Visual 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
VOC	60.483 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
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	
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	

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	61.242-4(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(b)	Y		Pressure Relief devices (liquid), Flanges, Connectors leak ≥ 10,000 ppm	61.242-8(a)	P/E	Measure for leaks
POC	61.242-11 (b)	Y		Closed-vent systems and control devices: Vapor recovery systems ≥ 95%		N	
POC	61.242-11 (c)	Y		Combustion devices ≥ 95% destruction efficiency or ≥ 0.50 seconds and ≥ 760°C		N	
POC	61.242-11 (f)	Y		Closed-vent systems leak ≥ 500 ppm and visible leak indication	61.242-11 (f)	P/A	Measure for leaks and Visual 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	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

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

VIII. Test Methods

Table VIII
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)

VIII. Test Methods

Table VIII
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
NSPS Part 60 Subpart QQQ	**Standards of Performance for VOC Emission From Petroleum Refinery Wastewater Systems (11/23/88)**	
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)

VIII. Test Methods

Table VIII
Test Methods

Applicable Requirement	Description of Requirement	Acceptable Test Methods
Subpart VV 40 CFR 60.482-2(e), 60.482-4(a), 60.482-4(b), 60.482-7(f),	Leak inspection procedures	60 Subpart VV, 60.485(c): EPA reference method 21 (40 CFR 60, Appendix A), Determination of Volatile Organic Compound Leaks
Subpart VV 40 CFR 60.483 and BAAQMD 8-18-404.1	Leak inspection procedures	60 Subpart VV, 60.485(b): EPA reference method 21 (40 CFR 60, Appendix A), Determination of Volatile Organic Compound Leaks
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

VIII. Test Methods

Table VIII
Test Methods

Applicable Requirement	Description of Requirement	Acceptable Test Methods
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)
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

X. 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.)

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.)

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.)
40 CFR 60 Subpart Db	Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units (Sources are not newly constructed reconstructed or modified.)
40 CFR 60 Subpart Dc	Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units (Sources are not newly constructed reconstructed or modified.)

IX. Permit Shield

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.)

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, S943-TANK 691 SAFETY FLARE, S944-NORTH STEAM FLARE, S945-SOUTH STEAM FLARE, S992-EMERGENCY FLARE, S1012-WEST AIR 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.)

X. 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

X. Glossary

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

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

X. Glossary

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)

X. Glossary

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

X. Glossary

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.

X. Glossary

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.

X. Glossary

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

X. Glossary

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.

X. Glossary

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

X. Glossary

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
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

XI. APPLICABLE STATE IMPLEMENTATION PLAN

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

http://yosemite1.epa.gov/r9/r9sips.nsf/California?ReadForm&Start=1&Count=30&Expand=4.1

Tosco_Avon_Ref_A.pdf

Tosco_Avon_Ref_B.pdf

Tosco_Avon_Ref_C.pdf

Tosco_Avon_Ref_D.pdf