Bay Area Air Quality Management District

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

Proposed

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	Waterfront Road
Martinez, CA 94553	Martinez, CA 94553

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

Responsible Official	**Facility Contact**
J. W. Haywood	J. W. Haywood
Senior Vice President	Senior Vice President
Southwest Region	Southwest Region
(925) 228-1220	(925) 228-1220

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

BAAQMD Permit Division Contact:
Terry Carter

ISSUED BY THE BAY AREA AIR QUALITY MANAGEMENT DISTRICT

_____ _____

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

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

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

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

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)

I. Standard Conditions

2. Notwithstanding the specific wording in any requirement, all records for federally enforceable requirements shall be maintained for at least five years from the date of creation of the record. (Regulation 2-6-501, Regulation 3; MOP Volume II, Part 3, §4.7)

F. Monitoring Reports

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

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

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

G. Compliance Certification

Compliance certifications shall be submitted annually by the responsible official of this facility to the Bay Area Air Quality Management District and to the Environmental Protection Agency. The certification period will be _____ 1st to _____ 30th or 31st. The certification shall be submitted by _____ 30th or 31st of each year. The certification must list each applicable requirement, the compliance status, whether compliance was continuous or intermittent, the method used to determine compliance, and any other specific information required by the permit. The permit holder may satisfy this requirement through submittal of District-generated Compliance Certification forms. The certification should be directed to the District's Compliance and Enforcement Division at the address above, and a copy of the certification shall be sent to the Environmental Protection Agency at the following address:

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

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

I. Standard Conditions

H. Emergency Provisions

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

I. Severability

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

J. Miscellaneous Conditions

1. The maximum capacity for each source as shown in Table II-A 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)

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 for each source, pursuant to Standard Condition J 1 and Regulation 2-1-301.

Plant #B2758 Tesoro Refining and Marketing Company

S-#	Description	Make or Type	Model	Capacity
21	Tank A-21 Gasoline	Fixed roof		189K gal 40K bbl/yr
26	Tank A-26 Gasoline	External floating roof		4,536K gal 10,375K bbl/yr
33	Tank A-33 Gasoline	External floating roof		4,536K gal 10,375K bbl/yr
46	Tank A-46 Crude Oil	Fixed roof		252K gal 2,000K bbl/yr
97	FCCU Catalyst Fines Hopper			14,600 ton/yr
98	FCCU East Catalyst Hopper			5,475 ton/yr
99	FCCU West Catalyst Hopper			9,125 ton/yr
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
101	Truck Rack Loading: Crude Oil, Gasoline, Naphtha, Transmix, Fuel Oil			7,300K bbl/yr
103	Vehicle Service Station			540,000 gal/yr
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
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
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

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Plant #B2758 Tesoro Refining and Marketing Company

S-#	Description	Make or Type	Model	Capacity
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
115	Railroad Tank Car Loading Rack Loading: Caustic Waste			550K bbl/yr
125	Tank Car Loading Rack Loading: Gasoline, Naphtha, Kerosene, Diesel, Fuel Oil			18,800K bbl/yr
134	Tank A-134 Fuel Oil, Jet 'A', Gas Oil	External floating roof		651K gal 25,029K bbl/yr
135	Tank A-135 Fuel Oil, Jet 'A', Gas Oil	External floating roof		651K gal 25,029K bbl/yr
137	Tank A-137 Fuel Oil #2, Waste Oil, Gasoline	Fixed roof tank		659K gal 1,915K bbl/yr
217	Tank A-217 Ethers, Gasoline	External floating roof		4,494K gal 10,375K bbl/yr
278	Tank A-278 Naphtha, Alkylate, Gasoline	Internal floating roof		2,960K gal 12,775K bbl/yr
279	Tank A-279 Gasoline	Internal floating roof		3,360K gal 12,000K bbl/yr
280	Tank A-280 Gasoline	Internal floating roof		3,360K gal 12,000K bbl/yr
311	Tank A-311 Gasoline, Naphtha	Internal floating roof		3,318K gal 14,600K bbl/yr
312	Tank A-312 Gasoline	Internal floating roof		3,318K gal 14,600K bbl/yr
313	Tank A-313 Gasoline	Internal floating roof		3,318K gal 7,300K bbl/yr
314	Tank A-314 Gasoline, Ethers	Internal floating roof		3,331K gal 7,700K bbl/yr
315	Tank A-315 Gasoline	Internal floating roof		3,318K gal 7,700K bbl/yr
316	Tank A-316 Gasoline	Internal floating roof		3,337K gal 7,700K bbl/yr
317	Tank A-317 Distillate Oil, Gas Oil, Gasoline	Fixed roof		3,066K gal 16,500K bbl/yr

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Plant #B2758 Tesoro Refining and Marketing Company

S-#	Description	Make or Type	Model	Capacity
318	Tank A-318 Crude Oil, Naphtha	Fixed roof		6,846K gal 9,125K bbl/yr
323	Tank A-323 Fuel Oil, Jet 'A', Methyl Alcohol, Gasoline	Fixed roof		924K gal 11,000K bbl/yr
324	Tank A-324 Distillate Oil, Gas Oil, Gasoline	Fixed roof		3,318K gal 12,800K bbl/yr
325	Tank A-325 Caustic Waste, Gasoline	Fixed roof		1407K gal 5000K bbl/yr
327	Tank A-327 Caustic Waste	Fixed roof		634K gal 5000K bbl/yr
367	Tank A-367 Distillate Oil, Gasoline	Fixed roof		3,360K gal 10,200K bbl/yr
403	Tank A-403 Crude Oil, Bunker C Fuel Oil, Distillate Oil, Gas Oil	Fixed roof		567K gal 5000K bbl/yr
428	Tank A-428 Gas Oil, Gasoline	External floating roof		932K gal 25,029K bbl/yr
431	Tank A-431 Naphtha, Distillate Oil, Gasoline	Fixed roof		3,318K gal 18,771K bbl/yr
432	Tank A-432 Ethyl Alcohol, Distillate Oil, Gasoline, Methyl Tertiary-Butyl Ether, Naphtha	Internal floating roof		2,688K gal 7,382K bbl/yr
452	Tank A-452 Ammonia	Fixed roof		45K gal 5000K gal/yr
457	Tank A-457 Alkylate, Gasoline, Methyl Tertiary-Butyl Ether	Fixed roof		630K gal 5000K bbl/yr
490	Tank A-490 Gas Oil	External floating roof		420K gal 5000K gal/yr
499	Tank A-499 Crude Oil	Fixed roof		4.2K gal 5K bbl/yr
513	Tank A-513 Distillate Oil, Gas Oil	Fixed roof		924K gal 5000K bbl/yr
529	Tank A-529 Refinery Sour Waste Water	Fixed roof		118K gal 160000K bbl/yr

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Plant #B2758 Tesoro Refining and Marketing Company

S-#	Description	Make or Type	Model	Capacity
530	Tank A-530 Refinery Sour Waste Water	Fixed roof		118K gal 160000K bbl/yr
587	Tank A-587 Refinery Sour Waste Water	Internal floating roof		1,151K gal 9500K bbl/yr
588	Tank A-588 Refinery Sour Waste Water	Internal floating roof		1,151K gal 9500K bbl/yr
590	DEA Flash Drum			29,096K bbl/yr 350,000 tons/yr
601	Tank A-601 Gas Oil	Internal floating roof		714K gal 3,650K bbl/yr
603	Tank A-603 Organic Liquid – other/not Spec	Fixed roof		126K gal 25,029K bbl/yr
605	50 Unit Wastewater Process Vessel	Horizontal vessel		2,503K bbl/yr 1500K bbl/yr
606	50 Unit Wastewater Air Stripper A			2,503K bbl/yr 1000K bbl/yr
607	50 Unit Wastewater Air Stripper B			2,503K bbl/yr 1000K bbl/yr
612	Tank A-612 Ethyl Alcohol, Gasoline	Internal floating roof		420K gal 243K bbl/yr
613	Tank A-613 Organic Liquid – other/not Spec	Fixed roof		420K gal 5000K bbl/yr
619	Tank A-619 Gasoline	Internal floating roof		420K gal 500K bbl/yr
622	Tank A-622 Distillate Oil, Gasoline	Fixed roof		3360K gal 500K bbl/yr
629	Tank A-629 Ammonia	Fixed roof		21K gal 6K bbl/yr
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
637	Tank A-637 Naphtha	External floating roof		3,360K gal 7,300K bbl/yr
638	Tank A-638 Naphtha, Gas Oil, Gasoline	External floating roof		3,360K gal 11,000K bbl/yr

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Plant #B2758 Tesoro Refining and Marketing Company

S-#	Description	Make or Type	Model	Capacity
639	Tank A-639 Naphtha	External floating roof		3,360K gal 11,000K bbl/yr
640	Tank A-640 Distillate Oil, Gasoline	External floating roof		3,360K gal 11,000K bbl/yr
641	Tank A-641 Distillate Oil, Gasoline	External floating roof		3,360K gal 11,000K bbl/yr
642	Tank A-642 Hydrocarbon, Gas Oil	External floating roof		1,806K gal 25,029K bbl/yr
643	Tank A-643 Distillate Oil	Fixed roof		84K gal 500K bbl/yr
650	Tank A-650 Refinery Sour Waste Water	External floating roof		5,502K gal 17,520K bbl/yr
651	Tank A-651 Oil/Water Mixture	External floating roof		5,502K gal 17,520K bbl/yr
655	Tank A-655 Refinery Sour Waste Water	Fixed roof		228K gal 6000 bbl/yr
656	Tank A-846 Refinery Sour Waste Water	Fixed roof		126K gal 28,470K bbl/yr
657	Tank A-657 Refinery Sour Waste Water	Fixed roof		48K gal 1K bbl/yr
658	Tank A-847 Refinery Sour Waste Water	Fixed roof		126K gal 28,470K bbl/yr
659	Tank A-659 [Coke Storage]	United Conveyor Co.		1,016,160 ton/yr (limit applies to S659 and S660 combined)
660	Tank A-660 [Coke Storage]	United Conveyor Co.		1,016,160 ton/yr (limit applies to S659 and S660 combined)
663	Tank A-663 Alcohol, Amine, Caustic Waste	Fixed roof		21K gal 500K bbl/yr
664	Tank A-664 Gasoline	External floating roof		5,460K gal 8,000K bbl/yr
690	Tank A-690 Crude Oil	External floating roof		13,020K gal 25,550K bbl/yr
692	Tank A-692 Gasoline	External floating roof		3,276K gal 10,000K bbl/yr

Table II A - Permitted Sources

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

Plant #B2758 Tesoro Refining and Marketing Company

S-#	Description	Make or Type	Model	Capacity
694	Tank A-694 Crude Oil	External floating roof		13,230K gal 21,900K bbl/yr
696	Tank A-696 Gasoline	Internal floating roof		630K gal 2,000K bbl/yr
697	Tank A-697 Gasoline	Internal floating roof		630K gal 2,000K bbl/yr
698	Tank A-698 Ethyl Alcohol, Fuel Oil, Jet 'A', Gasoline	Internal floating roof		630K gal 2,000K bbl/yr
699	Tank A-699 Hydrocarbon	Fixed roof		777K gal 500K bbl/yr
700	Tank A-700 Crude Oil, Waste Water	Fixed roof		84K gal 2,500K bbl/yr
701	Tank A-701 Crude Oil	External floating roof		13,020K gal 21,900K bbl/yr
702	Tank A-702 Gasoline	External floating roof		5,502K gal 12,800K bbl/yr
705	Tank A-705 Crude Oil	External floating roof		9,366K gal 21,900K bbl/yr
706	Tank A-706 Crude Oil	External floating roof		4,746K gal 18,250K bbl/yr
707	Tank A-707 Crude Oil, Hydrocarbon	External floating roof		4,746K gal 18,250K bbl/yr
708	Tank A-708 Crude Oil	External floating roof		13,146K gal 21,900K bbl/yr
709	Tank A-709 Crude Oil, Waste Oil	External floating roof		4,746K gal 18,250K bbl/yr
710	Tank A-710 Alkylate, Gasoline	External floating roof		3,360K gal 12,800K bbl/yr
711	Tank A-711 Crude Oil, Gasoline	External floating roof		3,360K gal 12,800K bbl/yr
714	Tank A-714 Organic Liquid – other/not Spec, Hydrocarbon	Fixed roof		231K gal 6,257K bbl/yr
718	Tank A-268 Organic Liquid – other/not Spec	Fixed roof		4.2K gal 6K bbl/yr

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

Plant #B2758 Tesoro Refining and Marketing Company

S-#	Description	Make or Type	Model	Capacity
739	Avon Wharf Slop Tank Crude Oil	Horizontal vessel		1.5K gal 5000 gal/yr
741	Pour Depressant Tank Organic Liquid – other/not Spec	Fixed roof		21K gal 5000 gal/yr
743	Fuel Tank for Speeder Gasoline	Horizontal vessel		252 gal 100 bbl/yr
746	Fire Training Fuel Tank Gasoline	Fixed roof		420 gal 500 gal/yr
771	Tank A-713 Alcohol, Amine	External floating roof		84K gal 17,520K bbl/yr
775	Tank A-849 Methyl Tertiary Butyl Ether, Ethyl Tertiary Butyl Ether, Tertiary Amyl Ether	Internal floating roof		4,605K gal 11,336,000 bbl/yr
780	Maintenance Coating Facility			383 gal/yr
781	Sandblasting Operation			100 ton/yr
782	Tank A-782 Methanol	External floating roof		100,000 gal 657K bbl/yr
795	Tank A-307 1,1,1-Trichloroethane, Perchloroethylene	Horizontal vessel		1.7K gal 11,000 gal/yr
802	FCCU Fluid Catalytic Cracker	Reactor UOP Riser Cracker Regenerator (Bechtel)		75K bbl/day 27,375K bbl/yr
804	FCCU Blowdown Tower			2.73K bbl/day 273K bbl/Yr
806	Coker Fluid Coking	Esso License (Bechtel)		53.2K bbl/day 17,447K bbl/yr
807	Coker Blowdown Drum			1 bbl/day 365 bbl/yr
808	Coker Sluice Tank			7.2K ton/day 400K ton/yr
809	Coker Slurry Settler	Dorr		16.4K bbl/day 6,000K bbl/yr
810	Coker Pile Loader System	Barber-Greene		7,200 ton/day 400K ton/yr

Table II A - Permitted Sources

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

Plant #B2758 Tesoro Refining and Marketing Company

S-#	Description	Make or Type	Model	Capacity
815	No. 1 Feed Prep Unit	Worthington		84K bbl/day 30,660K bbl/yr
816	No. 2 Feed Prep Unit	Elliott Co.		48K bbl/day 17,520K bbl/yr
817	No. 3 Crude Unit	Elliot Co.		63K bbl/day 22,995K bbl/yr
819	API Oil-Water Separator	Bechtel		729K bbl/day 40,779K bbl/yr
820	Coke Transfer System [No. 6 Boiler Plant]			65 ton/hr 569400 ton/yr
821	Coke Storage Pile			7.2K ton/day 400K ton/yr
822	Cat Cracker Blowdown [with Quench System w/ Controls]			2.73K bbl/day 273K bbl/Yr
823	Heat Exchanger Cleaning Pit North [Tank M286]	Water Wash		10,000 kgal/yr
824	Heat Exchanger Cleaning Pit South [Tank M287]	Water Wash and Diesel		1,008 kgal/yr
831	Bio-Oxidation Pond Open pond			2,400K bbl/day 133,225K bbl/yr
834	No. 50 Crude Blowdown Drum w/o Controls			2.73K bbl/day 273K bbl/Yr
842	Wastewater Treatment Plant Clarifiers, filters, and granular activated carbon	Jacobs Engineering Co.		2,400K bbl/day 133,225K bbl/yr
848	FCCU Merox Unit	Foster Wheeler		55K bbl/day 20,075K bbl/yr
846	No. 3 HDS Cooling Tower	Marley Sigma	126-104	17,462K gal/day 6,374,000K gal/yr
850	No. 3 HDS Unit	Union Finer		70K bbl/day 25550K bbl/yr
851	Ammonia Recovery Unit			77 short tons NH3/day 20,440 ton NH3/yr
854	East Air Flare			1,900 mmbtu/hr 45,600 mmbtu/day
856	Spare DEA Stripper			1,000 gpm rich DEA as 2,130 feed to stripper

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Plant #B2758 Tesoro Refining and Marketing Company

S-#	Description	Make or Type	Model	Capacity
858	Cold Cleaner [Machine Shop Lapping Room]			50 gal/yr
860	Cold Cleaner [Tool Room]			50 gal/yr
861	Cold Cleaner [Auto Shop]			50 gal/yr
863	LPG Vaporized System [Standby]			4,130K bbl/yr
901	No. 7 Boiler Refinery Fuel Gas, FCCU Flue Gas			332 mmbtu/hr 2,908,320 mmbtu/yr
902	FCCU Startup Heater Refinery Fuel Gas, Natural Gas			85 mmbtu/hr 14,280 mmbtu/yr
903	No. 5 Boiler Refinery Fuel Gas, Coker Flue Gas, (Fuel Oil in emergency)			740 mmbtu/hr 6,482,400 mmbtu/yr
904	No. 6 Boiler Refinery Fuel Gas (Fuel Oil For Pilot In An Emergency) Coker Flue Gas	Riley Stoker		775 mmbtu/hr 6,789,000 mmbtu/yr
905	No. 6 Boiler Startup Heater Refinery Fuel Gas, Natural Gas			47 mmbtu/hr 7,000 mmbtu/yr
908	No. 3 Crude Heater (F8) Natural Gas, Refinery Fuel Gas	Alco	Cabin	220 mmbtu/hr 1,927,200 mmbtu/yr
909	No. 1 Feed Prep Heater (F9) Refinery Fuel Gas, Natural Gas	Alco	Cabin	145 mmbtu/hr 1,270,200 mmbtu/yr
912	No. 1 Feed Prep Heater (F12) Refinery Fuel Gas, Natural Gas	Born	Box	135 mmbtu/hr 1,182,600 mmbtu/yr
913	No. 2 Feed Prep Heater (F13) Refinery Fuel Gas, Natural Gas	Petro Chem	Vertical Cylindrical	59 mmbtu/hr 516,840 mmbtu/yr
915	Platformer Intermediate Heater (F15) Refinery Fuel Gas, Natural Gas	Braun	Cabin	20 mmbtu/hr 175,200 mmbtu/yr
916	No. 1 HDS Heater (F16) Natural Gas, Refinery Fuel Gas	Braun	Cabin	55 mmbtu/hr 481,800 mmbtu/yr
917	No. 1 HDS Prefract Reboiler (F17) Refinery Fuel Gas	Industrial Engineers	Vertical Cylindrical	18 mmbtu/hr 157,680 mmbtu/yr
919	No. 2 HDS Depent Reboiler (F19) Refinery Fuel Gas, Natural Gas	Foster Wheeler	Cabin	65 mmbtu/hr 569,400 mmbtu/yr

Table II A - Permitted Sources

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

Plant #B2758 Tesoro Refining and Marketing Company

S-#	Description	Make or Type	Model	Capacity
920	No. 2 HDS Charge Heater (F20) Refinery Fuel Gas, Natural Gas	Foster Wheeler	Cabin	63 mmbtu/hr 551,880 mmbtu/yr
921	No. 2 HDS Charge Heater (F21) Refinery Fuel Gas, Natural Gas	Foster Wheeler	Cabin	63 mmbtu/hr 551,880 mmbtu/yr
922	No. 5 Gas Debutanizer Reboiler (F22) Refinery Fuel Gas, Natural Gas	Petro Chem	Vertical Cylindrical	130 mmbtu/hr 1,138,800 mmbtu/yr
923	Coker Auxiliary Startup Burner Refinery Fuel Gas, Natural Gas			107 mmbtu/hr 17,976 mmbtu/yr
924	Coker Anti-Cook Superheater (F24) Refinery Fuel Gas, Natural Gas	Petro Chem	Vertical Cylindrical	16 mmbtu/hr 140,160 mmbtu/hr
925	Coker Attriting Superheater (F25) Refinery Fuel Gas, Natural Gas			5.9 mmbtu/hr 51,684 mmbtu/yr
926	No. 2 Reformer Splitter Reboiler(F26) Refinery Fuel Gas, Natural Gas	Petro Chem	Vertical Cylindrical	145 mmbtu/hr 1270200 mmbtu/yr
927	No. 2 Reformer Heat/Reheating (F27) Refinery Fuel Gas, Natural Gas	Lummus	Multicell Cabin	280 mmbtu/hr 2,452,800 mmbtu/yr
928	HDN Reactor A Heater (F28) Refinery Fuel Gas, Natural Gas	Foster Wheeler	Cabin	20 mmbtu/hr 175,200 mmbtu/yr
929	HDN Reactor B Heater (F29) Refinery Fuel Gas, Natural Gas	Foster Wheeler	Cabin	20 mmbtu/hr 175,200 mmbtu/yr
930	HDN Reactor C Heater (F30) Refinery Fuel Gas, Natural Gas	Foster Wheeler	Cabin	20 mmbtu/hr 175,200 mmbtu/yr
931	Hydrocracker Reactor 1 Heater (F31) Refinery Fuel Gas, Natural Gas	Foster Wheeler	Cabin	20 mmbtu/hr 175,200 mmbtu/yr
932	Hydrocracker Reactor 2 Heater (F32) Refinery Fuel Gas, Natural Gas	Foster Wheeler	Cabin	20 mmbtu/hr 175,200 mmbtu/yr
933	Hydrocracker Reactor 3 Heater (F33) Refinery Fuel Gas, Natural Gas	Foster Wheeler	Cabin	20 mmbtu/hr 175,200 mmbtu/yr
934	Hydrocracker Stabilizer Reboiler (F34), Refinery Fuel Gas, Natural Gas	Foster Wheeler	Vertical Cylindrical	152 mmbtu/hr 1331520 mmbtu/yr
935	Hydrocracker Splitter Reboiler (F35), Refinery Fuel Gas, Natural Gas	Foster Wheeler	Vertical Cylindrical	152 mmbtu/hr 1331520 mmbtu/yr
936	Regeneration Gas Heater (F36) Natural Gas			3.5 mmbtu/hr 30,660 mmbtu/yr
937	Hydrogen Plant Heater (F37) Refinery Fuel Gas, Natural Gas	Selas	Twin Cell Reformer	743 mmbtu/hr 6,508,680 mmbtu/yr

Table II A - Permitted Sources

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

Plant #B2758 Tesoro Refining and Marketing Company

S-#	Description	Make or Type	Model	Capacity
938	HDN Prefractionator Heater (F38) Refinery Fuel Gas, Natural Gas			125 mmbtu/hr 1,095,000 mmbtu/yr
941	No. 2 Boiler @ No. 4 Boilerhouse Refinery Fuel Gas, Natural Gas			150 mmbtu/hr 1,314,000 mmbtu/yr
942	No. 3 Boiler @ No. 4 Boilerhouse Refinery Fuel Gas, Natural Gas			150 mmbtu/hr 1,314,000 mmbtu/yr
943	Tank A-691 Safety Flare Natural Gas, Process Gas, Butane			2,500,000 mmbtu/hr 60,000,000 mmbtu/day
944	North Steam Flare Natural Gas, Process Gas			2,700 mmbtu/hr 64,800 mmbtu/day
945	South Steam Flare Natural Gas, Process Gas			2,700 mmbtu/hr 64,800 mmbtu/day
950	50 Unit Crude Heater (F50) Refinery Fuel Gas, Natural Gas	Alcorn	Box	440 mmbtu/hr 3,854,400 mmbtu/yr
951	No. 2 Reformer Aux Reheater (F51) Refinery Fuel Gas, Natural Gas	Optimized Process Furnaces	Cabin	30 mmbtu/hr 131,400 mmbtu/yr
952	Internal Combustion Engine; 9580 cubic inch displacement, 300 Hp, No. 1 Gas Plant Vapor Compressor No. 4023 Natural Gas			3 mmbtu/hr 26,280 mmbtu/yr
953	Internal Combustion Engine; 9580 cubic inch displacement, 300 Hp, No. 1 Gas Plant Vapor Compressor NO. 4024 Natural Gas	Clark		3 mmbtu/hr 26,280 mmbtu/yr
954	Internal Combustion Engine; 9580 cubic inch displacement, 300 Hp, No. 1 Gas Plant Vapor Compressor No. 4025 Natural Gas	Clark		3 mmbtu/hr 26,280 mmbtu/yr
955	Internal Combustion Engine; 17200 cubic inch displacement, 880 Hp, No. 4 Gas Plant Vapor Compressor No. 4064 Natural Gas	Clark	HRA-8	8.5 mmbtu/hr 74,460 mmbtu/yr

Table II A - Permitted Sources

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

Plant #B2758 Tesoro Refining and Marketing Company

S-#	Description	Make or Type	Model	Capacity
956	Internal Combustion Engine; 17200 cubic inch displacement, 800 Hp, No. 4 Gas Plant Vapor Compressor No. 4065 Natural Gas	Clark	HRA -8	8.5 mmbtu/hr 74,460 mmbtu/yr
957	Internal Combustion Engine; 17200 cubic inch displacement, 880 Hp, No. 4 Gas Plant Vapor Compressor NO. 4066 Natural Gas	Clark	HRA -8	8.5 mmbtu/hr 74,460 mmbtu/yr
958	Internal Combustion Engine; 17200 cubic inch displacement, 800 Hp, No. 4 Gas Plant Vapor Compressor No. 4067 Natural Gas	Clark	HRA -8	8.5 mmbtu/hr 74,460 mmbtu/yr
959	Internal Combustion Engine; 17200 cubic inch displacement, 880 Hp, No. 4 Gas Plant Vapor Compressor No. 4068 Natural Gas	Clark	HRA -8	8.5 mmbtu/hr 74,460 mmbtu/yr
960	Internal Combustion Engine; 12900 cubic inch displacement, 660 Hp, No. 4 Gas Plant Vapor Co mpressor No. 4096 Natural Gas	Clark	HRA -6	7.5 mmbtu/hr 65,700 mmbtu/yr
963	Gas Turbine 177 [Alkylation Plant] Natural Gas			113 mmbtu/hr 989,880 mmbtuyr
971	No. 3 Reformer UOP Furnace (F53) Refinery Fuel Gas, Natural Gas	KTI	Box	300 mmbtu/hr 2,628,000 mmbtu/yr
972	No. 3 Reformer Debut Reboiler (F54) Refinery Fuel Gas, Natural Gas	Foster Wheeler / KTI	Vertical Cylindrical	45 mmbtu/hr 394,200 mmbtu/yr
973	No. 3 HDS Recycle Gas Heater (F55) Refinery Fuel Gas, Natural Gas	Entec	Vertical Cylindrical	55 mmbtu/hr 481,800 mmbtu/yr
974	No. 3 HDS Fract Feed Heater (F56) Refinery Fuel Gas, Natural Gas	Entec	Vertical Cylindrical	110 mmbtu/hr 963,600 mmbtu/yr
975	No. 4 Gas Plant Cooling Tower	Marley	13-24A	99,360K gal/day 36,266,400K gal/yr

Table II A - Permitted Sources

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

Plant #B2758 Tesoro Refining and Marketing Company

S-#	Description	Make or Type	Model	Capacity
976	No. 5 Gas Plant Cooling Tower	Marley	11-24-F5	108,000K gal/day 39,420,000K gal/yr
977	No. 3 Crude Unit Cooling Tower	Fluor	270-5811	31,680K gal/day 11,563,200K gal/yr
978	Foul Water Stripper Cooling Tower	Fluor	JCF-2164-23048ALP-SP	5,904K gal/day 2,154,960K gal/yr
979	NO. 2 Feed Prep Cooling Tower	Fluor	2NDA-164-2430-AALP-SP	21,600K gal/day 7,884,000K gal/yr
980	Hydrocracker Cooling Tower	Fluor	3F60D-164V-3030BPF	17,280K gal/day 6,307,200K gal/yr
981	No. 1 HDS Cooling Tower	Fluor	3NDA 184 30x36 CC	20,160K gal/day 7,358,400K gal/yr
982	No. 2 HDS Cooling Tower	Pritchard	4-3042LA18	17,280K gal/day 6,307,200K gal/yr
983	Alky/No. 2 Reformer Cooling Tower	Fluor	4FPA 1204-3042AALP	48,960K gal/day 17,870,400K gal/yr
985	No. 1 Gas Plant Cooling Tower	Fluor	2NDD-144-2430	23,040K gal/day
987	No. 50 Unit Cooling Tower	Marley	3-24-AAD-F-15000	21,600K gal/day 7,884,000K gal/yr
988	No. 3 Reformer Cooling Tower			14,400K gal/day 5,256,000K gal/yr
990	Amine/HC Separator Tank Tank 749			$5x10^9$ gal/yr
991	FCCU Preheat Furnace H-57 Refinery Fuel Gas, Natural Gas			43 mmbtu/hr 1,032 mmbtu/day
992	Emergency Flare Natural Gas, Process Gas			13,200 mmbtu/hr 316,800 mmbtu/yr
1001	No. 50 Crude Unit			120K bbl/day 40,880K bbl/yr
1002	No. 1 HDS Unit			28K bbl/day 9,125K bbl/yr

Table II A - Permitted Sources

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

Plant #B2758 Tesoro Refining and Marketing Company

S-#	Description	Make or Type	Model	Capacity
1003	No. 2 HDS Unit			40K bbl/day 14,600K bbl/yr
1004	No. 2 Catalytic Reformer			38.4K bbl/day 14,016K bbl/yr
1005	No. 1 Hydrogen Plant	Bechtel/Parsons		93.3 mmscf/day 3,1025 mmscf/yr
1006	No. 1 HDA Unit			20K bbl/day 7300K bbl/yr
1007	Hydrocracker Unit [Hydrocracker 2nd Stage]			37K bbl/day 12,775K bbl/yr
1008	Hydrocracker Unit [Hydrocracker 1st Stage]			37K bbl/day 12,775K bbl/yr
1009	Alkylation Unit			22.3K bbl/day 8,134K bbl/yr
1012	West Air Flare Process Gas			2,755 mmbtu/hr 66,120 mmbtu/day
1013	Ammonia Plant Flare	John Zink		2,670 mmbtu/hr 64,080 mmbtu/day
1020	No. 3 UOP Reformer			25.2K bbl/day 8,760K bbl/yr
1025	Bulk Plant; Bottom Loading Facilities Gasoline, Naphtha, Kerosene, Diesel, Fuel Oil	Oilco		18,615K bbl/yr
1026	DAF Air Stripper			0.48 ton/day 175.2 ton/yr
1038	Benzene Saturation Unit			10,400 bbl/day 3,796 K bbl/yr
1040	Butadiene Plant			12,000 bbl/day 4,380K bbl/yr
1100	MTBE Plant			3 K bbl/day MTBE 1,095K bbl/yr
1101	Subsurface Aerator System [at Tract 3 West Canal]			4.56 mmscf/day 1,664.4 mmscf/yr
1102	Subsurface Aerator System [at Tract 3 North Pond]			1.152 mmscf/day 420.5 mmscf/yr
1103	Subsurface Aerator System [at Clean Canal Forebay]			1.152 mmscf/day 420.5 mmscf/yr

Table II A - Permitted Sources

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

Plant #B2758 Tesoro Refining and Marketing Company

S-#	Description	Make or Type	Model	Capacity
1104	Subsurface Aeration System [at Oily Canal]			1.152 mmscf/day 420.5 mmscf/yr
1401	SAP: Sulfur Recovery Unit	SCOT		200 short ton/day 73,000 short ton/yr
1404	Sulfur Storage Tank A -756	Fixed roof		1,200 ton/day 438,000 ton/yr
1405	Sulfur Collection Pit			200 short ton/day 73,000 ton/yr
1411	Sulfuric Acid Mfg Plant			480 short ton/day 164,250 ton/yr
1412	Startup Heater Natural Gas, Refinery Fuel Gas			7.3 mmbtu/hr 1227 mmbtu/yr
1413	SAP: No. 1 Oleum Tank A -753	Fixed roof		1,202.4 ton/day 438,876 ton/yr
1414	SAP: No. 2 Oleum Tank A -763	Fixed roof		1,202.4 ton/day 438,876 ton/yr
1415	SAP: H2SO4 Loading Dock			1,728 ton/day 7,000 ton/yr
1416	SAP: No. 1 Spent Acid Tank A -745	Fixed roof		1,800 ton/day 100,000 ton/yr
1417	SAP: No. 2 Spent Acid Tank A -746	Fixed roof		1,800 ton/day 100,000 ton/yr
1418	SAP: Rich DEA Tank A -750	Fixed roof		73K bbl/day 26,655K bbl/yr
1420	SAP: Tail Gas In -Line Burner Natural Gas	John Zink		3,650 mmbtu/hr 31,974,000 mmbtu/yr
1421	SAP: Sour Water Feed Tank A -757 [Ammonia Recovery Unit]	External floating roof		11.7K bbl/day 4,270K bbl/yr
1422	Tank A -782 ARU Feed Tank	External floating roof		4,270.5K bbl/yr
1452	Oil-Water Separator [Hydrocarbon Recovery System]			1K bbl/yr
1455	Cold Cleaner [Auto Shop]			25 gal/yr
1456	Cold Cleaner [I&E Shop]			50 gal/yr
1457	Cold Cleaner [Compressor Shop]			50 gal/yr
1458	Cold Cleaner [Valve Shop]			50 gal/yr
1461	Tank A -866 Crude Oil	External floating roof		10,080K gal 50,000,000 bbl/yr

Table II A - Permitted Sources

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

Plant #B2758 Tesoro Refining and Marketing Company

S-#	Description	Make or Type	Model	Capacity
1463	Tank A-867 Crude Oil, HDS Gas Oil	External floating roof		10,080K gal 50,000,000 bbl/yr
1464	Tank A-868 Diesel, Jet A, Kerosene	External floating roof		4,200K gal 10,000,000 bbl/yr
1465	Tank A-869 Jet A, Diesel, Kerosene	External floating roof		4,200K gal 10,000,000 bbl/yr
1470	No. 71 Furnace; No. 3 Crude Vacuum Distillation Heater Refinery Fuel Gas, Natural Gas			30 mmbtu/hr 720 mmbtu/yr

Table II B – Abatement Devices

Plant #B2758 Tesoro Refining and Marketing Company

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
1	Catalytic Cracker Electrostatic Precipitator, Two Stages	S97, S802	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
3	Catalytic Cracker Fines Baghouse	S97	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

Table II B – Abatement Devices

Plant #B2758 Tesoro Refining and Marketing Company

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
4	Catalytic Cracker Fines Cyclone and Baghouse	S97, S98, S99, S803	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
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	none	Ringelmann No. 1 for ore than 3 min/hr
			BAAQMD Regulation 6-302	none	Opacity = or > 2 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
9	Coke Silo Precipitator	S659, S660	BAAQMD Regulation 6-301	none	Ringelmann No. 1 for ore than 3 min/hr
			BAAQMD Regulation 6-302	none	Opacity = or > 2 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	none	Visible particles on real property of another
			BAAQMD Regulation 6-310	none	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
			BAAQMD Regulation 6-310	none	0.15 grain per dscf
11	#6 Boiler Plant Precipitator, Two Stage Electrostatic Precipitator	S904	BAAQMD Regulation 6-301	none	Ringelmann No. 1 for ore than 3 min/hr
			BAAQMD Regulation 6-302	none	Opacity = or > 2 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
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, S126, S127, S137, S317, S318, S324, S325, S367, S431, S1024	BAAQMD Regulation 1-301	none	nuisance odors
	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 8-5-311	none	POC 95 weight %
22	Propane/Butane Tank Flare System	S691	BAAQMD Regulation 8-5-311	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	none	PM/PM-10 mass emission limit for S802 and S901 combined at 151.5 tons/yr
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

Table II B – Abatement Devices

Plant #B2758 Tesoro Refining and Marketing Company

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
38	Carbon Adsorption System - DAF Air Striper Adsorption, Activated Carbon/Charcoal	S1026	BAAQMD Condition # 4587, part 5B	none	NMHC: 20 ppmv, calculated as C1
38	Carbon Adsorption System - DAF Air Striper Adsorption, Activated Carbon/Charcoal	S1026	BAAQMD Condition # 4587, part 7	none	H2S: 1 ppm
39	Thermal Oxidizer, Direct Flame Afterburner	S1026	BAAQMD Condition # 4587, part 5B	A39 operating temperature = or > 1350 degrees F	NMHC: 10 ppmv, calculated as C1
39	Thermal Oxidizer, Direct Flame Afterburner	S1026	BAAQMD Condition # 4587, part 7	none	H2S: 1 ppm
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
41	Alkylation Unit Electric Thermal Oxidizer, Afterburner	S32103	BAAQMD Condition # 11609, part B1	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
606	Carbon Adsorption System #I at No. 50 Unit Wastewater Stripper	S606, S607	BAAQMD Regulation 8-47-302	none	POC 90 wt%
607	Carbon Adsorption Sytem	S606, S607	BAAQMD Regulation 8-47-302	none	POC 90 wt%
714	Caustic Scrubber	S714	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
795	Vent Gas Condenser, Air Cooled Condenser	S795	BAAQMD Regulation 8-5-311	none	95 weight %
806	No. 5 Boiler Electrostatic Precipitator	S806	BAAQMD Regulation 6-301	none	Ringelmann No. 1 for more than 3 min/hr
			BAAQMD Regulation 6-302	none	Opacity = or > 2 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
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

Table II B – Abatement Devices

Plant #B2758 Tesoro Refining and Marketing Company

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
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
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

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 ppmv corrected to 3% oxygen, 8 hour average

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 for each source, pursuant to Standard Condition J 1 and Regulation 2-1-301.

Plant #12759 Amorco Terminal

S-#	Description	Make or Type	Model	Capacity
19	Tank B-19 Crude Oil	External floating roof		3318K gal 5400K gal/yr
21	Tank B-21 Crude Oil, Gasoline	External floating roof		3276K gal 9623K gal/yr
30	Tank B-30 Crude Oil, Gasoline	External floating roof		3318K gal 4000K gal/yr
49	Tank B-49 Crude Oil	External floating roof		5964K gal 186900K gal/yr
50	Tank B-50 Crude Oil	External floating roof		5922K gal 179424K gal/yr
54	Amorco Wharf Slop Tank	Horizontal vessel		840 gal 1K gal
55	Amorco Terminal (New Wharf) Crude Oil, Diesel, Gas Oil, Naphtha, Kerosene, Fuel Oils			31,060K bbl/yr

Table II C – Tank Sources Exempt From Permitting

Each of the following sources has been determined to be exempt from the requirements of BAAQMD Regulation 2, Permits.

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

Table II C – Tank Sources Exempt From Permitting

Each of the following sources has been determined to be exempt from the requirements of BAAQMD Regulation 2, Permits.

Plant #B2758 Tesoro Refining and Marketing Company

S-#	Description	Make or Type	Model	Capacity
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
60	Tank A-60	Fixed roof		126K gal
61	Tank A-61	Fixed roof		126K gal
62	Tank A-62	Fixed roof		126K gal
63	Tank A-63	Fixed roof		42K gal
64	Tank A-64	Fixed roof		42K gal
65	Tank A-65	Fixed roof		42K gal
66	Tank A-66	Fixed roof		21K gal
67	Tank A-67	Fixed roof		21K gal
68	Tank A-68	Fixed roof		21K gal
69	Tank A-69	Fixed roof		21K gal
70	Tank A-70	Fixed roof		966K gal
71	Tank A-71	Fixed roof		966K gal
76	Tank A-76	Fixed roof		21K gal
77	Tank A-77	Fixed roof		21K gal
78	Tank A-78	Fixed roof		21K gal
79	Tank A-79	Fixed roof		21K gal
80	Tank A-80	Fixed roof		21K gal
81	Tank A-81	Fixed roof		21K gal
131	Tank A-131	Fixed roof		21K gal
139	Tank A-139	Fixed roof		336K gal

Table II C – Tank Sources Exempt From Permitting

Each of the following sources has been determined to be exempt from the requirements of BAAQMD Regulation 2, Permits.

Plant #B2758 Tesoro Refining and Marketing Company

S-#	Description	Make or Type	Model	Capacity
152	Tank A-152	Fixed roof		42K gal
153	Tank A-153	Fixed roof		84K gal
209	Tank A-209	Fixed roof		2,352K gal
210	Tank A-210	Fixed roof		21K gal
211	Tank A-211	Fixed roof		21K gal
212	Tank A-212	Fixed roof		21K gal
213	Tank A-213	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
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
274	Tank A-274	Fixed roof		3,170K gal
281	Tank A-281	Fixed roof		21K gal
282	Tank A-282	Fixed roof		21K gal

Table II C – Tank Sources Exempt From Permitting

Each of the following sources has been determined to be exempt from the requirements of BAAQMD Regulation 2, Permits.

Plant #B2758 Tesoro Refining and Marketing Company

S-#	Description	Make or Type	Model	Capacity
283	Tank A-283	Fixed roof		21K gal
284	Tank A-284	Fixed roof		21K gal
285	Tank A-285	Fixed roof		21K gal
286	Tank A-286	Fixed roof		21K gal
287	Tank A-287	Fixed roof		21K gal
288	Tank A-288	Fixed roof		21K gal
289	Tank A-289	Fixed roof		21K gal
290	Tank A-290	Fixed roof		21K gal
291	Tank A-291	Fixed roof		21K gal
292	Tank A-292	Fixed roof		21K gal
293	Tank A-293	Fixed roof		21K gal
295	Tank A-295	Fixed roof		21K gal
296	Tank A-296	Fixed roof		21K gal
345	Tank A-345	Fixed roof		210K gal
377	Tank A-377	Fixed roof		1,092K gal
403	Tank A-403	Fixed roof		567K gal
405	Tank A-405	Fixed roof		630K gal
430	Tank A-430	Fixed roof		3,150K gal
448	Tank A-448	Fixed roof		21K gal
462	Tank A-462	Fixed roof		21K gal
463	Tank A-463	Fixed roof		21K gal
464	Tank A-464	Fixed roof		21K gal
465	Tank A-465	Fixed roof		21K gal
485	Tank A-485	Fixed roof		4,200 gal
493	Tank A-493	Fixed roof		105K gal
504	Tank A-504	Fixed roof		71K gal
527	Tank A-527	Fixed roof		630K gal
531	Tank A-531	Fixed roof		42K gal
532	Tank A-532	Fixed roof		630K 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)	N
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)	
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

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 AND FACILITY #B2759

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	Y	
NSPS Title 40 Part 60 Subpart A	**General Provisions**		
40 CFR 60.1	Applicability	Y	

Table IV - A
Source-specific Applicable Requirements
FACILITY #B2758 AND FACILITY #B2759

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

Table IV - A
Source-specific Applicable Requirements
FACILITY #B2758 AND FACILITY #B2759

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
40 CFR 61.18	Incorporation by reference	Y	
40 CFR 61.19	Circumvention	Y	
NESHAP Title 40 Part 61 Subpart FF	**NESHAP, Benzene Waste Operations (01/07/93)**		
40 CFR 61.357(d)	Reporting Requirements: Facilities with 10 Mg/yr or more total benzene in waste	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 a ctivities and circumvention	Y	
40 CFR 63.5	Construction and Reconstruction	Y	
40 CFR 63.6	Compliance with standards and maintenance requirements	Y	
40 CFR 63.7	Performance testing requirements	Y	
40 CFR 63.8	Monitoring requirements	Y	
40 CFR 63.9	Notification requirements	Y	
40 CFR 63.10	Recordkeeping and reporting requirements	Y	
40 CFR 63.12	State Authority and Delegations	Y	
40 CFR 63.13	Addresses of EPA Regional Offices	Y	
40 CFR 63.14	Incorporation by Reference	Y	
40 CFR 63.15	Availability of Information and confidentiality	Y	
NESHAP Title 40 Part 63 Subpart CC	**National Emission Standards for Hazardous Air Pollutants from Petroleum Refineries**	**Y**	
63.640	Applicability	Y	
63.642	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	
63.654	Recordkeeping	Y	
63.654 (e)	Periodic Reports	Y	

Table IV - A
Source-specific Applicable Requirements
FACILITY #B2758 AND FACILITY #B2759

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.654 (g)	Record Maintenance	Y	
63.654 (g) (6)	Report Excess Emissions for Miscellaneous Process Vents	Y	
BAAQMD Regulation 8, Rule 10	**Process Vessel Depressurization**	**Y**	
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		
8-40-305	Inactive Storage Piles		
8-40-306	Contaminated Soil – Excavation and Removal		
8-40-402	Reporting, Excavation of Contaminated Soil		
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	Y	
9-2-301	Limitations on Hydrogen Sulfide	Y	
9-2-501	Area Monitoring Requirements (Applies only when ground level monitors are not operating or are out of compliance.)	Y	
9-2-601	Ground Level Monitoring	Y	
BAAQMD Condition # 5379	**Refinery Wide Permit Conditions**		
Part 1 Part 2 Part 3	Access to crude lightering vessels (basis: cumulative increase) Voyage history (basis: cumulative increase, offsets, bubble) U.S. Army Corps of Engineers form 3925 (basis: cumu lative increase,	Y Y Y	

Table IV - A
Source-specific Applicable Requirements
FACILITY #B2758 AND FACILITY #B2759

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	offsets, bubble)		
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 e ffective date and cap reduction proration provision (basis: cumulative increase, offsets, bubble)	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	

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
6-310	Particulate Weight Limitation	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Condition # 19528			
Part 1	Throughput limit (basis: Regulation 2-1-234.3.1)	Y	
Part 2	Record Keeping (basis: Regulation 2-1-234.3.1)	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	

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
8-44-501.1	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 Y	**National Emission Standards for Marine Tank Vessel Loading Operations**	**Y**	
63.560(a)(3)	Record keeping in 63.567(j)(4) and emission estimation in 63.565(l) apply to existing sources < 10 and 25 tons	Y	
63.565(l)	Emission estimation procedures	Y	
63.567(j)(4)	Retain records of emission estimates per 63.565(l), and actual throughputs, by commodity, for 5 years	Y	
BAAQMD Condition # 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	
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
BAAQMD Regulation 8, Rule 6	**Organic Compounds-Organic Liquid Bulk Terminals and Bulk Plants (2/2/94)**		
8-6-301	Bulk Terminal Limitations	Y	
8-6-302.1	Vapor Recovery Requirement - Bulk Plant Limitations	Y	
8-6-302.2	Submerged Fill Requirement – Bulk Plant Limitations	Y	
8-6-304	Deliveries to Storage Tanks	Y	
8-6-305	Delivery Vehicle Requirements	Y	
8-6-306	Equipment Maintenance	Y	
8-6-307	Operating Practices	Y	
8-6-403	Equipment installation and modification	Y	
8-6-501	Records	Y	
BAAQMD Regulation 8, Rule 33	**Organic Compounds-Gasoline bulk terminals and gasoline delivery vehicles (6/1/94)**		
8-33-301	Final gasoline bulk terminal limitations	Y	
8-33-302	Vapor Recovery System requirement	Y	
8-33-303	Bottom fill requirement	Y	
8-33-304	Delivery vehicle requirements	Y	
8-33-304.1	Vapor Integrity Requirement	Y	
8-33-304.2	Vapor recovery requirement	Y	
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	
8-33-308	Vapor Diaphragm Requirements	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 2-1-234.3.1)	Y	
Part 2	Record Keeping (basis: Regulation 2-1-234.3.1)	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)**		
8-7-302	Phase II Requirements	N	
8-7-302.1	Requirement for CARB Certified Phase II System	N	
8-7-302.2	Maintenance of Phase II System per CARB Requirements	N	
8-7-302.3	Maintenance of All Equipment as Specified by Manufacturer	N	
8-7-302.4	Repair of Defective Parts Within 7 Days	Y	
8-7-302.5	Leak-Free, Vapor-Tight	N	
8-7-302.6	Insertion Interlocks	N	
8-7-302.7	Built-In Vapor Check Valve	N	
8-7-302.8	Minimum Liquid Removal Rate	N	
8-7-302.9	Coaxial Hose	N	
8-7-302.10	Galvanized Piping or Flexible Tubing	N	
8-7-302.11	ORVR Compatible	N	
8-7-302.12	Liquid Retainment Limit	N	
8-7-302.13	Spitting Limit	N	
8-7-303	Topping Off	Y	
8-7-304	Certification Requirements	N	
8-7-306	Prohibition of Use	Y	
8-7-307	Posting of Operating Instructions	N	
8-7-308	Operating Practices	Y	
8-7-309	Contingent Vapor Recovery Requirements	Y	
8-7-311	Exempt Tank Requirements	N	
8-7-313	Requirements for New or Modified Phase II Installations	N	
8-7-315	Pressure Vacuum Valve Requirement, Underground Storage Tank	N	
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		
8-7-406	Testing Requirements, New and Modified Installations	N	
8-7-501	Burden of Proof	N	
8-7-502	Right of Access	Y	
8-7-503	Record Keeping Requirements	N	
8-7-503.1	Gasoline Dispensed Records	N	
8-7-503.2	Dispensing Facility Maintenance Records	N	

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-7-503.3	Dispensing Records Retention	N	
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	
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 - 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	

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
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 Y	**National Emission Standards for Marine Tank Vessel Loading Operations**	**Y**	
63.560(a)(3)	Record keeping in 63.567(j)(4) and emission estimation in 63.565(l) apply to existing sources < 10 and 25 tons	Y	
63.565(l)	Emission estimation procedures	Y	
63.567(j)(4)	Retain records of emission estimates per 63.565(l), and actual throughputs, by commodity, for 5 years	Y	
BAAQMD Condition # 19528			
Part 1	Throughput limit (basis: Regulation 2-1-234.3.1)	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
Part 2	Record Keeping (basis: Regulation 2-1-234.3.1)	Y	

Table IV – G
Source-specific Applicable Requirements
S115–TANK CAR LOADING RACK

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Notes
BAAQMD Regulation 8, Rule 6	**Organic Compounds-Organic Liquid Bulk Terminals and Bulk Plants (2/2/94)**		
8-6-301	Bulk Terminal Limitations	Y	
8-6-302.1	Vapor Recovery Requirement - Bulk Plant Limitations	Y	
8-6-302.2	Submerged Fill Requirement – Bulk Plant Limitations	Y	
8-6-304	Deliveries to Storage Tanks	Y	
8-6-305	Delivery Vehicle Requirements	Y	
8-6-306	Equipment Maintenance	Y	
8-6-307	Operating Practices	Y	
8-6-403	Equipment installation and modification	Y	
8-6-501	Records	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 – H
Source-specific Applicable Requirements
S125-BULK PLANT TRUCK/RAIL

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Notes
BAAQMD Regulation 8, Rule 6	**Organic Compounds-Organic Liquid Bulk Terminals and Bulk Plants (2/2/94)**		
8-6-301	Bulk Terminal Limitations	Y	
8-6-302.1	Vapor Recovery Requirement - Bulk Plant Limitations	Y	
8-6-302.2	Submerged Fill Requirement – Bulk Plant Limitations	Y	
8-6-304	Deliveries to Storage Tanks	Y	
8-6-305	Delivery Vehicle Requirements	Y	
8-6-306	Equipment Maintenance	Y	
8-6-307	Operating Practices	Y	
8-6-403	Equipment installation and modification	Y	
8-6-501	Records	Y	
BAAQMD Regulation 8, Rule 33	**Organic Compounds-Gasoline bulk terminals and gasoline delivery vehicles (6/1/94)**		
8-33-301	Final gasoline bulk terminal limitations	Y	
8-33-302	Vapor Recovery System requirement	Y	
8-33-303	Bottom fill requirement	Y	
8-33-304	Delivery vehicle requirements	Y	
8-33-304.1	Vapor Integrity Requirement	Y	
8-33-304.2	Vapor recovery requirement	Y	
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	
8-33-308	Vapor Diaphragm Requirements	Y	
8-33-309	Vapor Recovery System Requirements – Loading Rack	Y	
8-33-401	Equipment installation and modification	Y	
BAAQMD Condition # 10696			
Part 1	Requirement for abatement by A-12 (basis: cumulative increase)	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)	Y	

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Notes
Part 4	Fugitive component count and emission offsetting requirements (basis: cumulative increase, offsets)	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 – I
Source-specific Applicable Requirements
S590-DEA FLASH DRUM

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Notes
BAAQMD Condition # 19528			
Part 1	Throughput limit (basis: Regulation 2-1-234.3.1)	Y	
Part 2	Record Keeping (basis: Regulation 2-1-234.3.1)	Y	

Table IV – J
Source-specific Applicable Requirements
S605–PROCESS VESSEL

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
NESHAP 40 CFR 61 Subpart A	**National Emission Standards for Hazardous Air Pollutants - General Provisions (3/16/95)**	**Y**	
61.01	Lists of pollutants and applicability of part 61	Y	
61.04	Address	Y	
61.05	Prohibited activities	Y	

Table IV – J
Source-specific Applicable Requirements
S605–PROCESS VESSEL

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
61.07	Application for approval of construction or modification	Y	
61.09	Notification of startup	Y	
61.10	Source reporting and waiver request	Y	
61.12	Compliance with standards and maintenance requirements	Y	
61.13	Emission tests and waiver of emission tests	Y	
61.14	Monitoring requirements	Y	
61.19	Circumvention	Y	
NESHAP 40 CFR 61 Subpart FF	**National Emission Standard for Benzene Waste Operations (3/7/90)**	**Y**	
61.342	Standards: General	Y	
61.342(a)	exemption for facilities with less than 10 Mg/yr of benzene in waste from 61.342(b) and 61.342(c)	Y	
61.342(b)	facilities with 10 Mg/yr or more of benzene in waste shall comply with 61.342(c) through 61.342(h)	Y	
61.342(c)	for facilities with 10 Mg/yr or more of benzene in waste:	Y	
61.342(c)(1)	benzene-containing streams shall be treated in accordance with 61.342(c)(1)(i), 61.342(c)(1)(ii) and 61.342(c)(1)(iii), UNLESS it is demonstrated that weighted average benzene concentration is less than 10 ppmw [61.342(c)(2)], OR the stream contains process wastewater with a flowrate less than 0.02 l/min or an annual throughput of less than 10 Mg/yr [61.342(c)(3)(i)], OR the low-flow exemption in 61.342(c)(3)(i) is not used, no more than 2.0 Mg/yr of total benzene throughput is exempted from treatment, and the benzene throughput in each exempted stream is quantified each year [61.342(c)(3)(ii)]	Y	
61.342(c)(1)(i)	remove or destroy benzene in process or wastewater streams in accordance with 61.348	Y	
61.342(c)(1)(ii)	comply with 61.343 through 61.347 for treatment units operated in accordance with 61.342(c)(1)(i)	Y	
61.342(c)(1)(iii)	recycled wastes that have been returned to a process are no longer subject to 61.342(c)	Y	

Table IV – J
Source-specific Applicable Requirements
S605–PROCESS VESSEL

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
61.342(d)	alternative to 61.342(c) standards for facilities with 10 Mg/yr or more of benzene in waste:	Y	
61.342(d)(1)	non-process wastewater shall be treated in accordance with 61.342(c)(1)	Y	
61.342(d)(2)	for process wastewater:	Y	
61.342(d)(2)(i)	treat process wastewater such that benzene content is reduced to a total of less than 1 Mg/yr	Y	
61.342(d)(2)(ii)	each wastewater stream that is treated in accordance with 61.342(d)(2)(i), shall be treated in accordance with 61.342(c)(1)	Y	
61.342(e)	alternative to 61.342(c) and 61.342(d) standards for facilities with 10 Mg/yr or more of benzene in waste:	Y	
61.342(e)(1)	waste with a flow-weighted annual average water content of less than 10% shall be treated in accordance with 61.342(c)(1)	Y	
61.342(e)(2)	for waste with a flow-weighted annual average water content of 10% or more by volume:	Y	
61.342(e)(2)(i)	waste shall not contain more than 6.0 Mg/yr benzene	Y	
61.342(f)	offsite treatment option	Y	
61.343	Standards: Tanks	Y	
61.343(a)(1)	Owner/operator shall install, operate, and maintain a fixed-roof and closed-vent system that routes all organic vapors vented from the tank to a control device.	Y	
61.343(a)(1)(i)	Fixed Roof leak requirements - < 500 ppmv above background, determined initially then annually by method in 61.355(h) of this subpart.	Y	
61.343(a)(1)(ii)	Closed-vent system and control device designed and operated in accordance with 61.349 of this subpart	Y	
61.343(b)	For a tank that meets all of the conditions of paragraph (b)(1), the owner/operator may elect to comply with paragraph (b)(2) as an alternative to the requirements of (a)(1).	Y	
61.343(b)(1)	The waste managed in the tank complying with (b)(2) shall meet all of the following conditions: wastestream managed in the tank must have a flow-weighted annual average water content less than or equal to 10% water, on a volume basis and the waste managed in the tank either: has a maximum organic vapor pressure less than 0.75 psi, or has a maximum organic vapor pressure less than 4.0 psi and is managed in a tank less than 40,000 gallons, or has a maximum organic vapor pressure	Y	

Table IV – J
Source-specific Applicable Requirements
S605–PROCESS VESSEL

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	less than 11.1 psi and is managed in a tank having a design capacity less than 20,000 gallons.		
61.343(b)(2)	Owner/operator shall install, operate, and maintain a fixed roof as specified in paragraph (a)(1)(i).	Y	
61.343(b)(3)	may use devices that vent directly to atmosphere provided the devices are closed, sealed during normal operations except when the device needs to open to prevent damage or deformation of the tank or cover.	Y	
61.343(c)	Inspect all fixed-roof, seal, access doors, and all other openings visually initially and quarterly for cracks and gaps and that doors and openings are closed and gasketed properly.	Y	
61.343(d)	When a broken seal or gasket is identified, or when detectable emissions are measured, first efforts at repair shall be made as soon as practicable, but not later than 45 calendar days after identification.	Y	
61.348	Standards: Treatment processes	Y	
61.351	Alternative standards for tanks.	Y	
61.354	Monitoring of operations	Y	
61.354(a)(ii)	process parameters shall be continuously monitored and recorded and inspected at least once per operating day to verify proper operation	Y	
61.355	Test methods, procedures and compliance provisions	Y	
61.355(b)(1)	quantification of annual waste quantity at sour water strippers (including ammonia stills at coke by-product plants) shall be made at the water effluent from the still	Y	
61.355(c)(1)(i)(A)	quantification of flow-weighted annual average benzene concentration (including ammonia stills at coke by-product plants) shall be made at the water effluent from the still	Y	
61.356	Recordkeeping requirements	Y	
61.356(a)	recordkeeping and retention requirements	Y	
61.356(b)	waste stream records	Y	
61.357	Reporting requirements	Y	
61.357(c)	reporting requirements for facilities with less than 10 Mg/yr total benzene in waste	Y	
61.357(d)	reporting requirements for facilities with 10 Mg/yr or more total benzene in waste	Y	
BAAQMD Condition # 19528			

Table IV – J
Source-specific Applicable Requirements
S605–PROCESS VESSEL

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 1	Throughput limit (basis: Regulation 2-1-234.3.1)	Y	
Part 2	Record Keeping (basis: Regulation 2-1-234.3.1)	Y	

Table IV – K
Source-specific Applicable Requirements
S606-TANK A-606 WASTEWATER AIR STRIPPER A
S607–TANK A-607 WASTEWATER AIR STRIPPER B

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8 Rule 47	**Organic Compounds-Air Stripping and Soil Vapor Extraction Operations (6/15/94)**		
8-47-302	Organic Compounds	Y	
District Regulation 11 Rule 12	**Hazardous Pollutants - National Emission Standards for Benzene Emissions from Benzene Transfer Operations and Benzene Waste Operations (7/18/90, Refer to NESHAP Subpart FF below)**	**Y**	
NESHAP 40 CFR 61 Subpart A	**National Emission Standards for Hazardous Air Pollutants - General Provisions (3/16/95)**	**Y**	
61.01	Lists of pollutants and applicability of part 61	Y	
61.04	Address	Y	
61.05	Prohibited activities	Y	
61.07	Application for approval of construction or modification	Y	
61.09	Notification of startup	Y	
61.10	Source reporting and waiver request	Y	
61.12	Compliance with standards and maintenance requirements	Y	
61.13	Emission tests and waiver of emission tests	Y	
61.14	Monitoring requirements	Y	
61.19	Circumvention	Y	
40 CFR 61 Subpart FF	**National Emission Standard for Benzene Waste Operations (3/7/90)**	**Y**	
61.342	Standards: General	Y	

Table IV – K
Source-specific Applicable Requirements
S606-TANK A-606 WASTEWATER AIR STRIPPER A
S607–TANK A-607 WASTEWATER AIR STRIPPER B

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
61.342(a)	exemption for facilities with less than 10 Mg/yr of benzene in waste from 61.342(b) and 61.342(c)	Y	
61.342(b)	facilities with 10 Mg/yr or more of benzene in waste shall comply with 61.342(c) through 61.342(h)	Y	
61.342(c)	for facilities with 10 Mg/yr or more of benzene in waste:	Y	
61.342(c)(1)	benzene-containing streams shall be treated in accordance with 61.342(c)(1)(i), 61.342(c)(1)(ii) and 61.342(c)(1)(iii), UNLESS it is demonstrated that weighted average benzene concentration is less than 10 ppmw [61.342(c)(2)], OR the stream contains process wastewater with a flowrate less than 0.02 l/min or an annual throughput of less than 10 Mg/yr [61.342(c)(3)(i)], OR the low-flow exemption in 61.342(c)(3)(i) is not used, no more than 2.0 Mg/yr of total benzene throughput is exempted from treatment, and the benzene throughput in each exempted stream is quantified each year [61.342(c)(3)(ii)]	Y	
61.342(c)(1)(i)	remove or destroy benzene in process or wastewater streams in accordance with 61.348	Y	
61.342(c)(1)(ii)	comply with 61.343 through 61.347 for treatment units operated in accordance with 61.342(c)(1)(i)	Y	
61.342(c)(1)(iii)	recycled wastes that have been returned to a process are no longer subject to 61.342(c)	Y	
61.342(d)	alternative to 61.342(c) standards for facilities with 10 Mg/yr or more of benzene in waste:	Y	
61.342(d)(1)	non-process wastewater shall be treated in accordance with 61.342(c)(1)	Y	
61.342(d)(2)	for process wastewater:	Y	
61.342(d)(2)(i)	treat process wastewater such that benzene content is reduced to a total of less than 1 Mg/yr	Y	
61.342(d)(2)(ii)	each wastewater stream that is treated in accordance with 61.342(d)(2)(i), shall be treated in accordance with 61.342(c)(1)	Y	
61.342(e)	alternative to 61.342(c) and 61.342(d) standards for facilities with 10 Mg/yr or more of benzene in waste:	Y	

Table IV – K
Source-specific Applicable Requirements
S606-TANK A-606 WASTEWATER AIR STRIPPER A
S607–TANK A-607 WASTEWATER AIR STRIPPER B

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
61.342(e)(1)	waste with a flow-weighted annual average water content of less than 10% shall be treated in accordance with 61.342(c)(1)	Y	
61.342(e)(2)	for waste with a flow-weighted annual average water content of 10% or more by volume:	Y	
61.342(e)(2)(i)	waste shall not contain more than 6.0 Mg/yr benzene	Y	
61.342(f)	offsite treatment option	Y	
61.348	Standards: Treatment processes	Y	
61.354	Monitoring of operations	Y	
61.354(a)(ii)	process parameters shall be continuously monitored and recorded and inspected at least once per operating day to verify proper operation	Y	
61.355	Test methods, procedures and compliance provisions	Y	
61.355(b)(1)	quantification of annual waste quantity at sour water strippers (including ammonia stills at coke by-product plants) shall be made at the water effluent from the still	Y	
61.355(c)(1)(i)(A)	quantification of flow-weighted annual average benzene concentration (including ammonia stills at coke by-product plants) shall be made at the water effluent from the still	Y	
61.356	Recordkeeping requirements	Y	
61.356(a)	recordkeeping and retention requirements	Y	
61.356(b)	waste stream records	Y	
61.357	Reporting requirements	Y	
61.357(c)	reporting requirements for facilities with less than 10 Mg/yr total benzene in waste	Y	
61.357(d)	reporting requirements for facilities with 10 Mg/yr or more total benzene in waste	Y	
BAAQMD Condition # 19528			
Part 1	Throughput limit (basis: Regulation 2-1-234.3.1)	Y	
Part 2	Record Keeping (basis: Regulation 2-1-234.3.1)	Y	

Table IV – L
Source-specific Applicable Requirements
S659- COKE STORAGE , S660- COKE STORAGE, S808- COKER SLUICE TANK, S810-COKE PILE LOADING SYSTEM, S820- COKE TRANSFER 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 2-1-234.3.1)	Y	
Part 2	Record Keeping (basis: Regulation 2-1-234.3.1)	Y	

Table IV – M
Source-specific Applicable Requirements
S780-MAINTENANCE COATING FACILITY

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 19	**Organic Compounds – Surface Coating of Miscellaneous Metal Parts and Products (12/20/95)**		
8-19-110	Exemption, Low Usage Coatings	Y	
8-19-302	Coating VOC Limits	Y	
8-19-302.2	Air-Dried Coating	Y	
8-19-307	Prohibition of Specification	Y	
8-19-312	Specialty Coating VOC Limits	Y	
8-19-313	Spray Application Equipment Limitations	Y	
8-19-313.1	HVLP Spray; or	Y	
8-19-313.2	Electrostatic Spray; or	Y	
8-19-313.3	Detailing Gun; or	Y	

Table IV – M
Source-specific Applicable Requirements
S780-MAINTENANCE COATING FACILITY

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-19-313.4	Other Method Approved in Writing by the APCO	Y	
8-19-320	Solvent Evaporative Loss Minimization	Y	
8-19-320.1	Storage and Disposal of Solvent Impregnated Cloth or Paper	Y	
8-19-320.2	No Organic Compounds for Cleanup of Spray Equipment Unless Controls are Used	Y	
8-19-320.3	Closed Containers for Coatings or Solvents Not in Use	Y	
8-19-405	Low Usage Coating Petition	Y	
8-19-407	Specialty Coating Petition	Y	
8-19-501	Records	Y	
8-19-501.1	Maintain Data Necessary to Evaluate Compliance	Y	
8-19-501.2	Weekly Coating Usage Records	Y	
8-19-501.3	Daily Recording of Key System Operating Parameters	Y	
8-19-501.4	Monthly Cleaning Solvent Records	Y	
BAAQMD Condition # 9605			
Part 2	Limitation on the amount of abrasive that may be used (basis: cumulative increase)	Y	
Part 3	Prohibition against the use of abrasives that are not certified by CARB (basis: Regulation 12-4)	Y	
Part 4	Record keeping (basis: cumulative increase)		
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 – N
Source-specific Applicable Requirements
S781-SANDBLASTING OPERATION

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 12, Rule 4	**Sandblasting (7/11/90)**		
12-4-301	Ringelmann 1 Limitation	Y	
12-4-302	Ringelmann 2 Limitation	Y	
12-4-303	Performance Standards for Abrasive Blasting For Traffic Markers	Y	
12-4-304	Performance Standards for Other Abrasive Blasting	N	
12-4-305	Performance Standards for Abrasives	Y	
12-4-306	Certification of Abrasives	Y	
12-4-308	Facility Blasting Operations	Y	
SIP Regulation 12, Rule 4	**PROVISIONS NO LONGER IN CURRENT RULE** **Miscellaneous Standards of Performance** **Sandblasting (12/4/79)**		
12-4-301	Ringelmann Number 1 Limitation	Y	
12-4-304	Performance Standards for Other Abrasive Blasting	Y	
BAAQMD Condition # 9605			
Part 2	Limitation on the amount of abrasive that may be used (basis: cumulative increase)	Y	
Part 3	Prohibition against the use of abrasives that are not certified by CARB (basis: Regulation 12-4)	Y	
Part 4	Record keeping (basis: cumulative increase)		
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 – O
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**	
1-501	Sampling Facilities	Y	
1-520	Continuous Emission Monitoring	Y	
1- 520.5	SO2 and opacity monitors at catalyst regenerators of FCC units	Y	
1-521	Monitoring may be required by APCO	Y	
1-522	Continuous Emission Monitoring and Recordkeeping Procedures	Y	
1-522.1	approval of plans and specifications	Y	
1-522.2	scheduling requirements	Y	
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	
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann Number 1 Limitation	Y	
6-302	Opacity Limitation (where opacity monitor is required by the District)	Y	
6-304	Tube Cleaning	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-311	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	
6-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions	Y	

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

`	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)**		
9-1-310	Emission Limitations for Fluid Catalytic Cracking Units, Fluid Cokers, and Coke Calcining Kilns	Y	
9-1-310.1	catalytic cracking unit emission limitation	Y	
9-1-313	Sulfur Removal Operations at Petroleum Refineries (processing more than 20,000 bbl/day of crude oil)	Y/N	
9-1-313.1	crude oil sulfur content does not exceed 0.10 percent by weight, OR	Y	
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	
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 5	Procedure for development of new emission factors (basis: cumulative increase, offsets)	Y	
Part 6	Record keeping (basis: cumulative increase, offsets, BACT)		
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 – P
Source-specific Applicable Requirements
S804–FCCU: BLOWDOWN, S807–COKER: BLOWDOWN DRUM, S822–CRACKER AREA BLOWDOWN, S834–NO. 50 CRUDE UNIT BLOWDOWN DRUM, S856–SPARE DEA STRIPPER

`	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Condition # 19528			
Part 1	Throughput limit (basis: Regulation 2-1-234.3.1)	Y	
Part 2	Record Keeping (basis: Regulation 2-1-234.3.1)	Y	

Table IV – Q
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	
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	
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann Number 1 Limitation	Y	

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
6-302	Opacity Limitation (where opacity monitor is required by the District)	Y	
6-304	Tube Cleaning	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-311	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	
6-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions	Y	
BAAQMD Regulation 9, Rule 1	**Inorganic Gaseous Pollutants – Sulfur Dioxide (3/15/95)**		
9-1-304	Fuel Burning (Liquid and Solid Fuels)	Y	[applies only to sources burning liquid or solid fuel]
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	
9-1-310.2	400 ppmv SO2, 250 lb/hr from coke calcining kilns	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	[if subject to 9-1-304 or 9-1-310]
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]	

[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 – Q
Source-specific Applicable Requirements
S806–COKER: FLUID COKING

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
9-1-313.2	Sulfur Removal and Recovery System	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 – R
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		
BAAQMD Condition # 10696			
Part 1	Requirement for VOC abatement (basis: cumulative increase)	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	
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 – S
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**	**Y**	
8-8-110	Exemption, less than 760 liters		
8-8-112	Exemption, wastewater critical OC concentration and/or temperature		
8-8-113	Exemption, secondary wastewater treatment processes and storm water sewer systems		
8-8-114	Exemption, bypassed oil-water separator or air flotation influent		
8-8-115	Exemption, municipal wastewater treatment facilities		
8-8-301	Wastewater separators designed rated capacity greater than 760 liters per day (200 gal/day) and smaller than 18.9 liters per second (300 gal/min), must be equipped with one of the following:		
8-8-301.1	a solid, gasketed, fixed roof cover totally enclosing the separator tank, chamber, or basin liquid contents, with all cover openings closed, except when opening is being used for inspection, maintenance, or wastewater sampling.		
8-8-301.2	A floating pontoon or double-deck vapor-tight cover. All floating roofs must rest entirely on the liquid surface, consisting of two seals.		
8-8-301.2.1	oil-water separator liquid-mounted primary seal gap criteria		
8-8-301.2.2	oil-water separator secondary and wiper seals gap criteria		
8-8-301.2.3	primary and secondary seal gap inspection		
8-8-301.3	an organic compound vapor recovery system with a combined collection and destruction efficiency of at least 95 percent by weight.		
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:		
8-8-302.1	a solid, vapor-tight, full contact fixed cover which totally encloses the separator tank, chamber, or basin liquid contents, with all		
8-8-302.2	a floating pontoon or double-deck vapor-tight type cover, which must rest on the liquid and shall consist of two seals that meets one of the following gap criteria:		
8-8-302.2.1	oil-water separator liquid-mounted primary seal gap criteria		
8-8-302.2.2	oil-water separator secondary and wiper seals gap criteria		

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-8-302.2.3	primary and secondary seal gap inspection, or		
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		
8-8-302.4	a solid, sealed, gasketed, fixed cover which totally encloses the separator tank, chamber, or basin liquid contents, with all cover openings closed and sealed, except when the opening is being used for inspection, maintenance, or wastewater sampling. The cover may include a pressure -vacuum valve. Also includes leak inspection frequency and leak criteria.		
District Regulation 11 Rule 12	**Hazardous Pollutants - National Emission Standards for Benzene Emissions from Benzene Transfer Operations and Benzene Waste Operations (7/18/90, Refer to NESHAP Subpart FF below)**	**Y**	
NSPS 40 CFR 60 Subpart A	**New Source Performance Standards - General Provisions**	**Y**	
60.1	Applicability	Y	
60.4	Address (requirement to submit all requests, reports, applications, submittals, and other communications required under 40 CFR 60 to specific addresses)	Y	
60.7	Notification and record keeping	Y	
60.8	Performance tests	Y	
60.11	Compliance with standards and maintenance requirements	Y	
60.13	Monitoring requirements	Y	
60.18	General control device requirements	Y	
60.19	General notification and reporting requirements	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	
60.692-3 (a)	Each oil-water separator tank, slop oil tank, storage vessel, or other auxiliary equipment shall be equipped and operated with a fixed roof which meets the following specifications:	Y	

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.692-3 (a)(1)	The fixed roof shall completely cover the separator tank, slop oil tank, storage vessel or other auxiliary equipment.	Y	
60.692-3 (a)(2)	The vapor space under a fixed roof shall not be purged unless the vapor is directed to a control device.	Y	
60.692-3 (a)(3)	Roof access doors or openings shall be gasketed, latched, and kept closed during operation, except during inspection and maintenance.	Y	
60.692-3 (b)	Oil-water separator tank or auxiliary equipment designed to treat more than 250 gam of wastewater shall meet requirements in 60.692-3 (a) and operated with a closed vent system and control device.	Y	
60.692-3 (c)(1)	Each modified or reconstructed oil-water separator tank designed to treat less than 600 gam of wastewater equipped with a fixed roof covering the entire separator tank or a portion of the separator tank prior to 5/4/87 shall be exempt from (b) above, but shall meet the requirements of paragraph (a) of this section, or may elect to comply with paragraph (c)(2) of this section.	Y	
60.692-3 (c)(2)	May elect to comply with the requirements of (a) of this section for the existing fixed roof covering a portion of the separator tank and comply with the requirements for floating roofs in Section 60-693-2 for the remainder of the separator tank.	Y	
60.692-3 (d)	Storage vessels, including slop oil tanks and other auxiliary tanks that are subject to the standards in Section 60.112a, 60.112b and associated requirements, 40 CFR part 60, subparts K, Ka, or Kb are not subject to the requirements of this section.	Y	
60.692-3 (e)	Slop oil from an oil-water separator and oily wastewater from slop oil handling equipment shall be collected, stored, transported, recycled, reused, or disposed of in an enclosed system.	Y	
60.692-3 (f)	Each oil-water separator tank, slop oil tank, storage vessel, or other auxiliary equipment required to comply with paragraph (a) above and not paragraph (b) may be equipped with a pressure control valve for proper system operation. The pressure control valve shall be set at the maximum pressure necessary for proper system operation, but no vent continuously.	Y	
60.693-2	Alternative standards for oil-water separators.	Y	
60.694	Permission to use alternative means of emission limitation.	Y	
NESHAP 40 CFR 61	**National Emission Standards for Hazardous Air Pollutants - General Provisions (3/16/95)**	**Y**	

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Subpart A			
61.01	Lists of pollutants and applicability of part 61	Y	
61.04	Address	Y	
61.05	Prohibited activities	Y	
61.07	Application for approval of construction or modification	Y	
61.09	Notification of startup	Y	
61.10	Source reporting and waiver request	Y	
61.12	Compliance with standards and maintenance requirements	Y	
61.13	Emission tests and waiver of emission tests	Y	
61.14	Monitoring requirements	Y	
61.19	Circumvention	Y	
NESHAP 40 CFR 61 Subpart FF	**National Emission Standard for Benzene Waste Operations (3/7/90)**	**Y**	
61.342	Standards: General	Y	
61.342(a)	exemption for facilities with less than 10 Mg/yr of benzene in waste from 61.342(b) and 61.342(c)	Y	
61.342(b)	facilities with 10 Mg/yr or more of benzene in waste shall comply with 61.342(c) through 61.342(h)	Y	
61.342(c)	for facilities with 10 Mg/yr or more of benzene in waste:	Y	
61.342(c)1)	benzene-containing streams shall be treated in accordance with 61.342(c)(1)(i), 61.342(c)(1)(ii) and 61.342(c)(1)(iii), UNLESS it is demonstrated that weighted average benzene concentration is less than 10 ppmw [61.342(c)(2)], OR the stream contains process wastewater with a flowrate less than 0.02 l/min or an annual throughput of less than 10 Mg/yr [61.342(c)(3)(i)], OR the low-flow exemption in 61.342(c)(3)(i) is not used, no more than 2.0 Mg/yr of total benzene throughput is exempted from treatment, and the benzene throughput in each exempted stream is quantified each year [61.342(c)(3)(ii)]	Y	
61.342(c)(1)(i)	remove or destroy benzene in process or wastewater streams in accordance with 61.348	Y	
61.342(c)(1)(ii)	comply with 61.343 through 61.347 for treatment units operated in accordance with 61.342(c)(1)(i)	Y	
61.342(c)(1)(iii)	recycled wastes that have been returned to a process are no longer subject to 61.342(c)	Y	
61.342(d)	alternative to 61.342(c) standards for facilities with 10 Mg/yr or	Y	

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	more of benzene in waste:		
61.342(d)(1)	non-process wastewater shall be treated in accordance with 61.342(c)(1)	Y	
61.342(d)(2)	for process wastewater:	Y	
61.342(d)(2)(i)	treat process wastewater such that benzene content is reduced to a total of less than 1 Mg/yr	Y	
61.342(d)(2)(ii)	each wastewater stream that is treated in accordance with 61.342(d)(2)(i), shall be treated in accordance with 61.342(c)(1)	Y	
61.342(e)	alternative to 61.342(c) and 61.342(d) standards for facilities with 10 Mg/yr or more of benzene in waste:	Y	
61.342(e)(1)	waste with a flow-weighted annual average water content of less than 10% shall be treated in accordance with 61.342(c)(1)	Y	
61.342(e)(2)	for waste with a flow-weighted annual average water content of 10% or more by volume:	Y	
61.342(e)(2)(i)	waste shall not contain more than 6.0 Mg/yr benzene	Y	
61.342(f)	offsite treatment option	Y	
61.347	Standards: Oil-water separators	Y	
61.347(a)	Except as provided in 61.352 of this subpart, each oil-water separator shall meet the following standards:	Y	
61.347(a)(1)	install, operate and maintain a fixed-roof and closed-vent system that routes all organic vapors to a control device	Y	
61.347(b)	cover seals, access hatches, and all other openings shall be checked visually initially and quarterly thereafter to ensure no cracks, gaps occur between the cover and wall and that access hatches are closed and gasketed properly	Y	
61.347(c)	except for delay or repair, when a broken seal or gasket or other problem is identified, or when detectable emissions are measured, first efforts repairs shall be made AS SOON AS POSSIBLE, but not later than 15 calendar days after identification	Y	
61.348	Standards: Treatment processes	Y	
61.352	Alternative standards for oil-water separators	Y	
61.354(a)(ii)	process parameters shall be continuously monitored and recorded and inspected at least once per operating day to verify proper operation	Y	
61.355	Test methods, procedures and compliance provisions	Y	

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
61.355(b)(1)	quantification of annual waste quantity at sour water strippers (including ammonia stills at coke by-product plants) shall be made at the water effluent from the still	Y	
61.355(c)(1)(i)(A)	quantification of flow-weighted annual average benzene concentration (including ammonia stills at coke by-product plants) shall be made at the water effluent from the still	Y	
61.356	Recordkeeping requirements	Y	
61.356(a)	recordkeeping and retention requirements	Y	
61.356(b)	waste stream records	Y	
61.357	Reporting requirements	Y	
61.357(c)	reporting requirements for facilities with less than 10 Mg/yr total benzene in waste	Y	
61.357(d)	reporting requirements for facilities with 10 Mg/yr or more total benzene in waste	Y	
NESHAP 40 CFR 63 Subpart VV	**National Emission Standards for Oil-Water Separators and Organic-Water Separators (7/1/96)**	**Y**	
63.1040	Applicability - (The provisions of this subpart apply to control of air emissions from oil-water separators and organic-water separators for which another subpart of 40 CFR parts 60, 61, or 63 references the use of this subpart for such air emissions control.)	Y	
63.1042	Standards – Separator fixed roof	Y	
63.1042(b)	The separator shall be equipped with a fixed roof designed to meet the following specifications.	Y	
63.1042(b)(1)	The fixed roof and its closure devices shall be designed to form a continuous barrier over the entire surface area of the liquid in the separator.	Y	
63.1042(b)(2)	The fixed roof shall be installed in a manner such that there are not visible cracks, holes, gaps, or other open spaces between roof section joints or between the interface of the roof edge and the separator wall.	Y	
63.1042(b)(3)	Each opening in the fixed roof shall be equipped with a closure device designed to operate such that when the closure device is secured in the closed position there are no visible cracks, holes, gaps, or other open spaces in the closure device or between the perimeter of the opening and the closure device.	Y	
63.1042(b)(4)	The fixed roof and its closure devices shall be made of suitable	Y	

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	materials that will minimize emissions to the atmosphere to the extent practical.		
63.1042(c)	The fixed roof shall be installed with each closure device secured in the closed position except as follows:	Y	
63.1042 (c)(1)(i)	To provide access to the separator for routine inspection, maintenance, or other activities needed for normal operations.	Y	
63.1042(c)(1)(ii)	To remove accumulated sludge or other residues from the bottom of separator.	Y	
63.1042(c)(2)	Opening a spring-loaded pressure-vacuum relief valve, conservation vent, or similar type of pressure relief device is allowed during normal operations for the purpose of maintaining the pressure in vapor headspace under the fixed roof.	Y	
63.1042(c)(3)	Opening of a safety device, is allowed to avoid an unsafe condition.	Y	
63.1042(d)	The owner/operator shall inspect the fixed roof and any closure device in accordance with Section 63.1047(a) of this subpart.	Y	
63.1043	Standards - Separator floating roof.	Y	
63.1043(b)	Separator equipped with a floating roof designed to meet the following specifications:	Y	
63.1043(b)(1)	Floating roof shall float on the liquid surface during normal operations.	Y	
63.1043(b)(2)	Floating roof shall be equipped with two continuous seals between the wall of the separator and the roof edge.	Y	
63.1043(b)(2)(i)	Primary seal shall be a liquid-mounted seal or a metallic shoe seal. Gaps shall not exceed 67 square cm and the width of any portion of these gaps shall not exceed 3.8 cm.	Y	
63.1043(b)(2)(ii)	Secondary seal shall be mounted above the primary seal and cover the annular space between the floating roof and the wall of the separator. Gaps shall not exceed 6.7 square cm and the width of these gaps shall not exceed 1.3 cm.	Y	
63.1043(b)(3)	Each opening in the floating roof shall be equipped with a closure device with no visible cracks, holes, gaps, or other open spaces in the closure device or between the cover opening and the closure device.	Y	
63.1043(b)(4)	Floating roof may be equipped with one or more emergency roof drains for removal of stormwater.	Y	
63.1043(c)(1)	Floating roof shall float on the liquid and each closure device shall be secured in the closed position except:	Y	

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.1043(c)(1)(i)	to provide access to the separator for performing routine inspection, maintenance, or other activities needed for normal operations.	Y	
63.1043(c)(1)(ii)	to remove accumulated sludge or other residues from the bottom of the separator.	Y	
63.1043(c)(2)	opening a safety device to avoid an unsafe condition	Y	
63.1043(d)	The owner/operator shall inspect the fixed roof and any closure device in accordance with Section 63.1047(b) of this subpart.	Y	
63.1044	Standards - Separator vented to control device.	Y	
63.1044(a)	Applies to separators equipped with a fixed roof and venting the vapor headspace through a closed-vent system to a control device.	Y	
63.1044(b)(1)	designed to form a continuous barrier over the entire surface area of the liquid.	Y	
63.1044(b)(2)	each opening not vented to the control device shall be equipped with a closure device.	Y	
63.1044(b)(3)	The fixed roof and its closure devices shall be made of suitable materials that will minimize emissions to the atmosphere to the extent practical.	Y	
63.1044(c)	Each closure device secured in the closed position except as follows:	Y	
63.1044(c)(1)	venting to the control device is not required, and opening of the closure devices or removal of the fixed roof is allowed	Y	
63.1044(c)(1)(I)	To provide access to the separator for routine inspection, maintenance, or other activities needed for normal operations.	Y	
63.1044(c)(1)(ii)	To remove accumulated sludge or other residues from the bottom of separator.	Y	
63.1044(c)(2)	Opening of a safety device is allowed to avoid an unsafe condition.	Y	
63.1044(d)	The owner/operator shall inspect the fixed roof and any closure device in accordance with Section 63.1047(c) of this subpart.	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	

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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 2-1-234.3.1)	Y	
Part 2	Record Keeping (basis: Regulation 2-1-234.3.1)	Y	

Table IV – T
Source-specific Applicable Requirements
S823–HEAT EXCHANGER , S824–HEAT EXCHANGER

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	
6-304	Tube Cleaning	Y	
6-305	Visible Particles	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Regulation 8, Rule 2	**Organic Compounds, Miscellaneous Operations (6/15/94)**	**Y**	
8-2-301	Miscellaneous Operations: emissions shall not exceed 15 lb/day and 300 ppm total carbon on a dry basis	Y	
BAAQMD Condition # 19528			
Part 1	Throughput limit (basis: Regulation 2-1-234.3.1)	Y	
Part 2	Record Keeping (basis: Regulation 2-1-234.3.1)	Y	

Table IV – U
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	Y	
BAAQMD Regulation 8, Rule 2	**Organic Compounds, Miscellaneous Operations (6/15/94)**	**Y**	
8-2-301	Miscellaneous Operations: emissions shall not exceed 15 lb /day and 300 ppm total carbon on a dry basis	Y	
BAAQMD Condition # 19528			
Part 1	Throughput limit (basis: Regulation 2-1-234.3.1)	Y	
Part 2	Record Keeping (basis: Regulation 2-1-234.3.1)	Y	

Table IV - V
Source-specific Applicable Requirements
S846-NO. 3 HDS COOLING TOWER, S975-NO. 4 GAS PLANT 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, S982-NO. 2 HDS COOLING TOWER
S983-ALKY AND NO. 2 REFORMER COOLING TOWER
S985-NO. 1 GAS PLANT COOLING TOWER, S987-NO. 50 UNIT COOLING TOWER
S988-NO. 3 REFORMER COOLING TOWER

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

Table IV - V
Source-specific Applicable Requirements
S846-NO. 3 HDS COOLING TOWER, S975-NO. 4 GAS PLANT 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, S982-NO. 2 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
6-310	Particulate Weight Limitation	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Condition # 19528			
Part 1	Throughput limit (basis: Regulation 2-1-234.3.1)	Y	
Part 2	Record Keeping (basis: Regulation 2-1-234.3.1)	Y	

Table IV – W
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 Condition # 4357			
Part 1	Definitions	Y	
Part 2	Emissions (basis: cumulative in crease, 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)	Y	

Table IV – W
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 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 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 KWAR	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 2-1-234.3.1)	Y	
Part 2	Record Keeping (basis: Regulation 2-1-234.3.1)	Y	

Table IV – X
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**	
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**	
NESHAP 40 CFR 61 Subpart A	**National Emission Standards for Hazardous Air Pollutants - General Provisions (3/16/95)**	**Y**	
61.01	Lists of pollutants and applicability of part 61	Y	
61.04	Address	Y	
61.05	Prohibited activities	Y	
61.07	Application for approval of construction or modification	Y	
61.09	Notification of startup	Y	
61.10	Source reporting and waiver request	Y	
61.12	Compliance with standards and maintenance requirements	Y	
61.13	Emission tests and waiver of emission tests	Y	
61.14	Monitoring requirements	Y	
61.19	Circumvention	Y	
NESHAP 40 CFR 61 Subpart FF	**National Emission Standard for Benzene Waste Operations (3/7/90)**	**Y**	
61.342(f)	offsite treatment option	Y	
61.348	Standards: Treatment processes	Y	
61.348(a)	treatment standards:	Y	
61.348(a)(1)	treatment processes shall:	Y	
61.348(a)(1)(i)	remove benzene to less than 10 ppmw on a flow-weighted annual average basis, OR	Y	
61.348(a)(1)(ii)	remove benzene by 99% or more on a mass basis, OR	Y	
61.348(a)(1)(iii)	destroys benzene in waste stream by 99% or more	Y	
61.348(b)	requirements for aggregation of individual waste streams	Y	
61.348(c)	compliance demonstration requirements for treatment processes and systems	Y	

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
61.348(d)	alternative compliance demonstration requirements for treatment processes and systems	Y	
61.348(e)	requirements for openings in treatment processes and systems	Y	
61.348(g)	citation of monitoring requirements in 61.354	Y	
61.354	Monitoring of operations	Y	
61.354(a)	treatment processes and systems shall be monitored by:	Y	
61.354(a)(i)	for treatment systems subject to 61.348(a)(1)(i), outlet benzene concentration shall be measured at least once per month, OR	Y	
61.354(a)(ii)	process parameters shall be continuously monitored and recorded and inspected at least once per operating day to verify proper operation	Y	
61.354(d)	monitoring requirements for non-regenerating carbon adsorbers	Y	
61.354(f)	monitoring requirements for bypass lines around control device	Y	
61.354(g)	emission control systems operated at negative pressure with openings for dilution air shall be provided with continuous pressure recorders	Y	
61.355	Test methods, procedures and compliance provisions	Y	
61.355(b)(1)	quantification of annual waste quantity at sour water strippers (including ammonia stills at coke by-product plants) shall be made at the water effluent from the still	Y	
61.355(c)(1)(i)(A)	quantification of flow-weighted annual average benzene concentration (including ammonia stills at coke by-product plants) shall be made at the water effluent from the still	Y	
61.356	Recordkeeping requirements	Y	
61.356(a)	recordkeeping and retention requirements	Y	
61.356(b)	waste stream records	Y	
61.356(e)	recordkeeping requirements for treatment systems operated i.a.w 61.348	Y	
61.356(i)	recordkeeping requirements for treatment systems operated i.a.w 61.348	Y	
61.356(j)	recordkeeping requirements for control devices	Y	

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
61.357	Reporting requirements	Y	
61.357(c)	reporting requirements for facilities with less than 10 Mg/yr total benzene in waste	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 - Y
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	
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	

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.12	Circumvention	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 Title 40 Part 60 Subpart J	**NSPS Subpart J for Petroleum Refineries (08/17/1989**		
40 CFR 60.100(a)	Applicability: Claus Sulfur Recovery Plants, FCCU Catlayst Regenerators at Refineries and Fuel Gas Combustion Devices and Fuel Gas Combustion Devices of Refineries	Y	
40 CFR 60.100(b)	Applicability: Constructed/modified after 6/11/1973	Y	
40 CFR 60.104	Standards for Sulfur Oxides: Compliance Schedule	Y	
40 CFR 60.104(a)(1)	Fuel gas H2S concentration limited to 230 mg/dscm (0.10 gr/dscf) except for gas burned as a result of process upset or gas burned at flares from relief valve leaks or other emergency malfunctions	Y	
40 CFR 60.105(a)	Continuous Monitoring Systems Requirements	Y	
40 CFR 60.105 (a)(4)	Monitoring requirement for H2S (dry basis) in fuel gas prior to combustion (in lieu of separate combustion device exhaust SO2 as required by 60.105(a)(3))	Y	
40 CFR 60.105(e)	Determine and report periods of excess emissions	Y	
40 CFR 60.105(e)(3)(ii)	Excess SO2 emission definitions for 60.7	Y	
40 CFR 60.106(a)	Test Methods and Procedures	Y	
40 CFR 60.106(e)	Method 11 shall be used to verify compliance with 60.104(a)(1)	Y	
40 CFR 60.107(e)	Semi-annual compliance report	Y	
40 CFR 60.107(f)	Certification of 60.107(e) report	Y	
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 61 Subpart A	**General Provisions**	**Y**	
61.01	List of pollutants and applicability	Y	

Table IV - Y
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
61.02	Definitions	Y	
61.03	Units and abbreviations	Y	
61.04	Address	Y	
61.05	Prohibited activities	Y	
61.06	Determination of construction or modification	Y	
61.07	Application for approval of construction or modification	Y	
61.08	Approval of construction or modification	Y	
61.09	Notification of startup	Y	
61.10	Source reporting and request for waiver	Y	
61.11	Waiver of compliance	Y	
61.12	Compliance with standards and maintenance	Y	
61.13	Emission tests and waiver of emission tests	Y	
61.14	Monitoring requirements	Y	
61.15	Modification	Y	
61.16	Availability of information	Y	
61.17	State authority	Y	
61.18	Incorporation by reference	Y	
61.19	Circumvention	Y	
40 CFR Part 63 Subpart A	**General Provisions**	**Y**	
63.1	Applicability	Y	
63.2	Definitions	Y	
63.3	Units and abbreviations	Y	
63.4	Prohibited activities	Y	
63.5	Construction and reconstruction	Y	
63.5(d)	Application for approval of construction or reconstruction	Y	
63.5(d)(1)	General Application Requirements	Y	
63.5(d)(2)	Application for approval of construction	Y	
63.5(d)(3)	Application for approval of reconstruction	Y	
63.5(d)(4)	Additional information	Y	
63.6	Compliance with standards and maintenance	Y	
63.7	Performance testing requirements	Y	
63.8	Monitoring requirements	Y	
63.9	Notification requirements	Y	
63.10	Recordkeeping and reporting requirements	Y	

Table IV - Y
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
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	
40 CFR Part 63 Subpart CC	**National Emission Standards for Hazardous Air Pollutants from Petroleum Refineries**	**Y**	
63.640	Applicability and designation of affected source	Y	
63.641	Definitions	Y	
63.642	General standards	Y	
63.643	Miscellaneous process vents	Y	
63.643(a)(1)	Flare requirements	Y	
63.643(a)(2)	Control device requirements	Y	
63.643(b)	Boiler or process heater requirements	Y	
63.644	Monitoring provisions for miscellaneous Process Vents	Y	
63.644(a)(2)	Flares	Y	
63.645	Test methods and procedures for miscellaneous process vents	Y	
63.653	Monitoring, recordkeeping, and implementation plan for emissions averaging	Y	
63.653(a)(1)(i)	Conduct initial performance tests	Y	
63.653(a)(1)(ii)	Monitor operating parameters	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 – Z
Source-specific Applicable Requirements
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 2-1-234.3.1)	Y	
Part 2	Record Keeping (basis: Regulation 2-1-234.3.1)	Y	

Table IV – AA
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	Y	
8-16-303	Cold Cleaner Requirements	Y	
8-16-303.1	General Operating Requirements	Y	
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	Y	

Table IV – AA
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
8-16-303.1.4(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	
8-16-303.2	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	Y	
8-16-303.3.3	Used Solvent Returned to Container	Y	
8-16-303.3.4	Label Stating Operating Requirements	Y	
8-16-501	Solvent Records	N	
8-16-501.2	Facility-wide Annual Solvent Usage Records	N	
8-16-501.3	Annual Records of Type and Amount of Solvent Used for Wipe Cleaning	N	
8-16-501.4	Monthly Records of Type and Amount of Solvents for Solvent Vapor Dryers and Enclosed Solvent Cleaners	N	
8-16-501.5	Records Retained for Previous 24 Month Period	N	
SIP Regulation 8, Rule 16	**Organic Compounds – Solvent Cleaning Operations (6/15/94)**		
8-16-501	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	

Table IV – AA
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 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 - AB
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	
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	

Table IV - AB
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
60.12	Circumvention	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	
40 CFR Part 61 Subpart A	**General Provisions**	**Y**	
61.01	List of pollutants and applicability	Y	
61.02	Definitions	Y	
61.03	Units and abbreviations	Y	
61.04	Address	Y	
61.05	Prohibited activities	Y	
61.06	Determination of construction or modification	Y	
61.07	Application for approval of construction or modification	Y	
61.08	Approval of construction or modification	Y	
61.09	Notification of startup	Y	
61.10	Source reporting and request for waiver	Y	
61.11	Waiver of compliance	Y	
61.12	Compliance with standards and maintenance	Y	
61.13	Emission tests and waiver of emission tests	Y	
61.14	Monitoring requirements	Y	
61.15	Modification	Y	
61.16	Availability of information	Y	
61.17	State authority	Y	
61.18	Incorporation by reference	Y	
61.19	Circumvention	Y	
40 CFR Part 63 Subpart A	**General Provisions**	**Y**	
63.1	Applicability	Y	
63.2	Definitions	Y	

Table IV - AB
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
63.3	Units and abbreviations	Y	
63.4	Prohibited activities	Y	
63.5	Construction and reconstruction	Y	
63.5(d)	Application for approval of construction or reconstruction	Y	
63.5(d)(1)	General Application Requirements	Y	
63.5(d)(2)	Application for approval of construction	Y	
63.5(d)(3)	Application for approval of reconstruction	Y	
63.5(d)(4)	Additional information	Y	
63.6	Compliance with standards and maintenance	Y	
63.7	Performance testing requirements	Y	
63.8	Monitoring requirements	Y	
63.9	Notification requirements	Y	
63.10	Recordkeeping and reporting requirements	Y	
63.11	Control device requirements	Y	
63.12	State authority and delegation	Y	
63.13	Addresses of State air pollution control agencies and EPA Regional Offices	Y	
63.14	Incorporation by references	Y	
40 CFR Part 63 Subpart CC	**National Emission Standards for Hazardous Air Pollutants from Petroleum Refineries**	**Y**	
63.640	Applicability and designation of affected source	Y	
63.641	Definitions	Y	
63.642	General standards	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 – AC
Source-specific Applicable Requirements
S901- NO. 7 BOILER, 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	
1-520.8	Monitors pursuant to Regulation 2-1-403	Y	
1-521	Monitoring May Be Required	Y	
1-522	Continuous Emission Monitoring and Recordkeeping Procedures	N	
1-602	Area and Continuous Monitoring Requirements	N	
SIP Regulation 1	**PROVISIONS NO LONGER IN CURRENT RULE General Provisions and Definitions (6/28/99)**		
1-522	Continuous Emission Monitoring and Recordkeeping Procedures	Y[2]	
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann No. 1 Limitation	Y	
6-302	Opacity Limitation	Y	
6-304	Tube Cleaning	Y	
6-305	Visible Particles	Y	
6-310	Particle Weight Limitation	Y	
6-310.3	Heat transfer operations	Y	
BAAQMD Regulation 8, Rule 18	**Fugitives Monitoring**	Y	
BAAQMD Manual of Procedures, Volume V	**Continuous Emission Monitoring Policy and Procedures (1/20/82)**	Y	
BAAQMD Regulation 9, Rule 1	**Inorganic Gaseous Pollutants - Sulfur Dioxide (3/15/95; SIP approved 6/8/99)**		
9-1-304	Fuel Burning (Liquid and Solid Fuels)	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)**		
9-10-303.1	Federal Interim Facility-wide NOx emission limit for CO Boilers	Y	
9-10-304	NOx emission limit for CO Boilers	Y	
9-10-305	CO emission limit	Y	

Table IV – AC
Source-specific Applicable Requirements
S901- NO. 7 BOILER, S904-NO. 6 BOILER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
9-10-401	Control Plan Requirements	Y	
9-10-403	Clean-Fuel Extension Compliance Date	Y	
9-10-501	Initial Demonstration of Compliance Schedule	Y	
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	
9-10-600	Manual of Procedures for Compliance Determination	Y	
9-10-601	Determination of Nitrogen Oxides	Y	
9-10-602	Determination of Carbon Monoxide and Stack-Gas Oxygen	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)	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	

Table IV – AC
Source-specific Applicable Requirements
S901- NO. 7 BOILER, S904-NO. 6 BOILER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 6B	Process Unit Design	Y	
Part 6C	Process Unit Design	Y	
Part 7	Combustion Controls	Y	
Part 8	Hydrocarbon Controls	Y	
Part 9	Sulfur Recovery Facilities	Y	
Part 10	Access (basis: cumulative increase, offsets, BACT)	Y	
Part 11	Enforcement (basis: cumulative increase, offsets, BACT)	Y	
Part 12	Miscellaneous (basis: cumulative increase, offsets)	Y	
Part 13	Severability (basis: cumulative increase, offsets, BACT)	Y	
Part 14	Environmental Management Plan (basis: cumulative increase, offsets, BACT)	Y	
BAAQMD Condition # 16685	Firing rate limitations	Y	
Part 1	Firing rate limitations (basis: Regulation 2-1-234.3)	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 - AD
Source-specific Applicable Requirements
S933-NO. 33 FURNACE, S934-NO. 34 FURNACE, S935-NO. 35 FURNACE, S936-NO. 36 FURNACE, S938-NO. 38 FURNACE,

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particle Weight Limitation	Y	

Table IV - AD
Source-specific Applicable Requirements
S933-NO. 33 FURNACE, S934-NO. 34 FURNACE, S935-NO. 35 FURNACE, S936-NO. 36 FURNACE, S938-NO. 38 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	Y	
BAAQMD 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	Y	
9-10-301.1	...Start-up/Shutdown Contribution	Y	
9-10-301.2	...Out-of-Service Units Contribution	Y	
9-10-301.3	...Test-firing on Non-gaseous fuel Contribution	Y	
9-10-302	Interim Facility-wide NOx emission rate limit	Y	
9-10-303	Federal Interim Facility-wide NOx emission rate limit	Y	
9-10-305	CO emission limit	Y	
9-10-401	Control Plan Requirements	Y	
9-10-403	Clean-Fuel Extension Compliance Date	Y	
9-10-501	Initial Demonstration of Compliance Schedule	Y	
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	
9-10-600 9-10-601	Manual of Procedures for Compliance Determination Determination of Nitrogen Oxides	Y Y	
9-10-602	Determination of Carbon Monoxide and Stack-Gas Oxygen	Y	
BAAQMD Condition # 16685			
Part 1	Firing rate limitations (basis: Regulation 2-1-234.3)	Y	
BAAQMD Condition # 19528			

Table IV - AD
Source-specific Applicable Requirements
S933-NO. 33 FURNACE, S934-NO. 34 FURNACE, S935-NO. 35 FURNACE, S936-NO. 36 FURNACE, S938-NO. 38 FURNACE,

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 1	Throughput limit (basis: Regulation 2-1-234.3.1)	Y	
Part 2	Record Keeping (basis: Regulation 2-1-234.3.1)	Y	

Table IV - AE
Source-specific Applicable Requirements
S937-NO. 37 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	Y	
1-520.8	Monitors pursuant to Regulation 2-1-403	Y	
1-521	Monitoring May Be Required	Y	
1-522	Continuous Emission Monitoring and Recordkeeping Procedures	N	
1-602	Area and Continuous Monitoring Requirements	N	
SIP Regulation 1	**PROVISIONS NO LONGER IN CURRENT RULE General Provisions and Definitions (6/28/99)**		
1-522	Continuous Emission Monitoring and Recordkeeping Procedures	Y[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	
BAAQMD Manual of Procedures, Volume V	**Continuous Emission Monitoring Policy and Procedures (1/20/82)**	Y	

Table IV - AE
Source-specific Applicable Requirements
S937-NO. 37 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	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: 0.033 lb NOx/MMBTU	Y	
9-10-301.1	...Start-up/Shutdown Contribution	Y	
9-10-301.2	...Out-of-Service Units Contribution	Y	
9-10-301.3	...Test-firing on Non-gaseous fuel Contribution	Y	
9-10-302	Interim Facility-wide NOx emission rate limit	Y	
9-10-303	Federal Interim Facility-wide NOx emission rate limit	Y	
9-10-305	CO emission limit	Y	
9-10-401	Control Plan Requirements	Y	
9-10-403	Clean-Fuel Extension Compliance Date	Y	
9-10-501	Initial Demonstration of Compliance Schedule	Y	
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	
9-10-600 9-10-601	Manual of Procedures for Compliance Determination Determination of Nitrogen Oxides	Y Y	
9-10-602	Determination of Carbon Monoxide and Stack-Gas Oxygen	Y	
BAAQMD Condition # 677			
Part 1	NOx emission limit (basis: cumulative increase)	Y	
Part 2	Record Keeping (basis: cumulative increase)	Y	
Part 3	Throughput limit (basis: cumulative increase)	Y	
Part 4	Record Keeping (basis: cumulative increase)	Y	
BAAQMD Condition #			

Table IV - AE
Source-specific Applicable Requirements
S937-NO. 37 FURNACE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
16685			
Part 1	Firing rate limitations (basis: Regulation 2-1-234.3)	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 - AE
Source-specific Applicable Requirements
S950-NO. 50 FURNACE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 1	**General Provisions and Definitions (11/15/00)**		
1-520	Continuous Emission Monitoring	Y	
1-520.8	Monitors pursuant to Regulation 2-1-403	Y	
1-521	Monitoring May Be Required	Y	
1-522	Continuous Emission Monitoring and Recordkeeping Procedures	N	
1-602	Area and Continuous Monitoring Requirements	N	
SIP Regulation 1	**PROVISIONS NO LONGER IN CURRENT RULE General Provisions and Definitions (6/28/99)**		
1-522	Continuous Emission Monitoring and Recordkeeping Procedures	Y[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	

Table IV - AE
Source-specific Applicable Requirements
S950-NO. 50 FURNACE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Manual of Procedures, Volume V	**Continuous Emission Monitoring Policy and Procedures (1/20/82)**	Y	
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	
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: 0.033 lb NOx/MMBTU	Y	
9-10-301.1	...Start-up/Shutdown Contribution	Y	
9-10-301.2	...Out-of-Service Units Contribution	Y	
9-10-301.3	...Test-firing on Non-gaseous fuel Contribution	Y	
9-10-302	Interim Facility-wide NOx emission rate limit	Y	
9-10-303	Federal Interim Facility-wide NOx emission rate limit	Y	
9-10-305	CO emission limit	Y	
9-10-401	Control Plan Requirements	Y	
9-10-403	Clean-Fuel Extension Compliance Date	Y	
9-10-501	Initial Demonstration of Compliance Schedule	Y	
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	
9-10-600 9-10-601	Manual of Procedures for Compliance Determination Determination of Nitrogen Oxides	Y Y	
9-10-602	Determination of Carbon Monoxide and Stack-Gas Oxygen	Y	
BAAQMD Condition # 16685			
Part 1	Firing rate limitations (basis: Regulation 2-1-234.3)	Y	

Table IV - AE
Source-specific Applicable Requirements
S950-NO. 50 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 2-1-234.3.1)	Y	
Part 2	Record Keeping (basis: Regulation 2-1-234.3.1)	Y	

Table IV – AE
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	
1-520.8	Monitors pursuant to Regulation 2-1-403	Y	
1-521	Monitoring May Be Required	Y	
1-522	Continuous Emission Monitoring and Recordkeeping Procedures	N	
1-602	Area and Continuous Monitoring Requirements	N	
SIP Regulation 1	**PROVISIONS NO LONGER IN CURRENT RULE** **General Provisions and Definitions (6/28/99)**		
1-522	Continuous Emission Monitoring and Recordkeeping Procedures	Y[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}) *[Applicable if Subject to CEM Monitoring, either by BAAQMD 9-9 or permit condition (BACT)]***		
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]	

Table IV – AE
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 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)**		
9-1-304	Fuel Burning (Liquid and Solid Fuels)	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	Y	
9-10-305	CO emission limit	Y	
9-10-401	Control Plan Requirements	Y	
9-10-403	Clean-Fuel Extension Compliance Date	Y	
9-10-501	Initial Demonstration of Compliance Schedule	Y	
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	
9-10-600	Manual of Procedures for Compliance Determination	Y	
9-10-601	Determination of Nitrogen Oxides	Y	

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
9-10-602	Determination of Carbon Monoxide and Stack-Gas Oxygen	Y	
BAAQMD Condition # 16685			
Part 1	Firing rate limitations (basis: Regulation 2-1-234.3)	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 – AF
Source-specific Applicable Requirements
S917-NO. 17 FURNACE, S919-NO. 19 FURNACE, S951-NO. 51 FURNACE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann No. 1 Limitation	Y	
6-302	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 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,	**Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon Monoxide from Boilers, Steam Generators, and Process Heaters in**		

Table IV – AF
Source-specific Applicable Requirements
S917-NO. 17 FURNACE, S919-NO. 19 FURNACE, S951-NO. 51 FURNACE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Rule 10	**Petroleum Refineries (1/5/94)**		
9-10-301	Emission Limit for Facility, NOx: 0.033 lb NOx/MMBTU	Y	
9-10-301.1	...Start-up/Shutdown Contribution	Y	
9-10-301.2	...Out-of-Service Units Contribution	Y	
9-10-301.3	...Test-firing on Non-gaseous fuel Contribution	Y	
9-10-302	Interim Facility-wide NOx emission rate limit	Y	
9-10-303	Federal Interim Facility-wide NOx emission rate limit	Y	
9-10-305	CO emission limit	Y	
9-10-401	Control Plan Requirements	Y	
9-10-403	Clean-Fuel Extension Compliance Date	Y	
9-10-501	Initial Demonstration of Compliance Schedule	Y	
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	
9-10-600 9-10-601	Manual of Procedures for Compliance Determination Determination of Nitrogen Oxides	Y Y	
9-10-602	Determination of Carbon Monoxide and Stack-Gas Oxygen	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: Compliance Schedule	Y	

Table IV – AF
Source-specific Applicable Requirements
S917-NO. 17 FURNACE, S919-NO. 19 FURNACE, S951-NO. 51 FURNACE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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)	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 6	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			
Part 1	Firing rate limitations (basis: Regulation 2-1-234.3)	Y	
BAAQMD Condition # 19528			

Table IV – AF
Source-specific Applicable Requirements
S917-NO. 17 FURNACE, S919-NO. 19 FURNACE, S951-NO. 51 FURNACE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 1	Throughput limit (basis: Regulation 2-1-234.3.1)	Y	
Part 2	Record Keeping (basis: Regulation 2-1-234.3.1)	Y	

Table IV - AF
Source-specific Applicable Requirements
S971–NO. 53 FURNACE, S972–NO. 54 FURNACE, S973–NO. 56 FURNACE, S974–NO. 55 FURNACE, S991–NO. 57 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	Y	
1-520.8	Monitors pursuant to Regulation 2-1-403	Y	
1-521	Monitoring May Be Required	Y	
1-522	Continuous Emission Monitoring and Recordkeeping Procedures	N	
1-602	Area and Continuous Monitoring Requirements	N	
SIP Regulation 1	**PROVISIONS NO LO NGER IN CURRENT RULE General Provisions and Definitions (6/28/99)**		
1-522	Continuous Emission Monitoring and Recordkeeping Procedures	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	
6-305	Visible Particles	Y	
6-310	Particle Weight Limitation	Y	
6-310.3	Heat transfer operations	Y	
Regulation 8-18	**Fugitives Monitoring**	Y	

Table IV - AF
Source-specific Applicable Requirements
S971–NO. 53 FURNACE, S972–NO. 54 FURNACE, S973–NO. 56 FURNACE, S974–NO. 55 FURNACE, S991–NO. 57 FURNACE, S1470-NO. 71 FURNACE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Manual of Procedures, Volume V	**Continuous Emission Monitoring Policy and Procedures (1/20/82)**	Y	
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)**		
9-10-301	Emission Limit for Facility, NOx: 0.033 lb NOx/MMBTU	Y	
9-10-301.1	...Start-up/Shutdown Contribution	Y	
9-10-301.2	...Out-of-Service Units Contribution	Y	
9-10-301.3	...Test-firing on Non-gaseous fuel Contribution	Y	
9-10-302	Interim Facility-wide NOx emission rate limit	Y	
9-10-303	Federal Interim Facility-wide NOx emission rate limit	Y	
9-10-305	CO emission limit	Y	
9-10-401	Control Plan Requirements	Y	
9-10-403	Clean-Fuel Extension Compliance Date	Y	
9-10-501	Initial Demonstration of Compliance Schedule	Y	
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	
9-10-600 9-10-601	Manual of Procedures for Compliance Determination Determination of Nitrogen Oxides	Y Y	
9-10-602	Determination of Carbon Monoxide and Stack-Gas Oxygen	Y	
NSPS 40 CFR 60 Subpart A	**Standards of Performance for New Stationary Sources (12/23/71)**	Y	
60.7	Notification and Recordkeeping	Y	

Table IV - AF
Source-specific Applicable Requirements
S971–NO. 53 FURNACE, S972–NO. 54 FURNACE, S973–NO. 56 FURNACE, S974–NO. 55 FURNACE, S991–NO. 57 FURNACE, S1470-NO. 71 FURNACE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.8	Performance Tests	Y	
60.9	Availability of Information	Y	
60.11(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: Compliance Schedule	Y	
60.104(a)(1)	fuel gas H2S concentration limited to 230 mg/dscm (0.10 gr/dscf) except for gas burned as a result of process upset or gas burned at flares from relief valve leaks or other emergency malfunctions	Y	
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)	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 6	Process Unit Design	Y	
Part 7	Combustion Controls	Y	
Part 8	Hydrocarbon Controls	Y	
Part 9	Sulfur Recovery Facilities	Y	

Table IV - AF
Source-specific Applicable Requirements
S971–NO. 53 FURNACE, S972–NO. 54 FURNACE, S973–NO. 56 FURNACE, S974–NO. 55 FURNACE, S991–NO. 57 FURNACE, S1470-NO. 71 FURNACE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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	Firing rate limitations (basis: Regulation 2-1-234.3)	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 – AH
Source-specific Applicable Requirements
S952-INTERNAL COMBUSTION ENGINE, S953-INTERNAL COMBUSTION ENGINE, S954-INTERNAL COMBUSTION ENGINE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann Number 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Regulation 9,	**Inorganic Gaseous Pollutants - Sulfur Dioxide (3/15/95; SIP**		

Table IV – AH
Source-specific Applicable Requirements
S952-INTERNAL COMBUSTION ENGINE, S953-INTERNAL COMBUSTION ENGINE, S954-INTERNAL COMBUSTION ENGINE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Rule 1	**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	
9-8-301.3	CO Limits	Y	
9-8-401	Compliance Schedule	Y	
9-8-501	Initial Demonstration of Compliance	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 – 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

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	

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-401	Appearance of Emissions	Y	
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	
9-8-401	Compliance Schedule	Y	
9-8-501	Initial Demonstration of Compliance	Y	
9-8-502	Recordkeeping	Y	
BAAQMD Condition # 13509			
Part 1	Requirement to fire only natural gast (basis: toxics)	Y	
Part 2	Record Keeping (basis: Regulation 9-8)	Y	
Part 3	Record Keeping (basis: Regulation 9-8)	Y	
Part 4	Record Keeping (basis: Regulation 9-8)	Y	
BAAQMD Condition # 19528			
Part 1	Throughput limit (basis: Regulation 2-1-234.3.1)	Y	
Part 2	Record Keeping (basis: Regulation 2-1-234.3.1)	Y	

Table IV – AI
Source-specific Applicable Requirements
S1005-NO. 1 HYDROGEN PLANT

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Notes
BAAQMD Condition # 19528			
Part 1	Throughput limit (basis: Regulation 2-1-234.3.1)	Y	
Part 2	Record Keeping (basis: Regulation 2-1-234.3.1)	Y	

Table IV – AJ
Source-specific Applicable Requirements
S1006-NO. 1 HDS 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 2-1-234.3.1)	Y	
Part 2	Record Keeping (basis: Regulation 2-1-234.3.1)	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)		
Part 2	Fugitive Component Technology Requirements (basis: cumulative increase)		
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 – 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 2-1-234.3.1)	Y	
Part 2	Record Keeping (basis: Regulation 2-1-234.3.1)	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 6	**Organic Compounds-Organic Liquid Bulk Terminals and Bulk Plants (2/2/94)**		
8-6-301	Bulk Terminal Limitations	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
8-6-302.1	Vapor Recovery Requirement - Bulk Plant Limitations	Y	
8-6-302.2	Submerged Fill Requirement – Bulk Plant Limitations	Y	
8-6-304	Deliveries to Storage Tanks	Y	
8-6-305	Delivery Vehicle Requirements	Y	
8-6-306	Equipment Maintenance	Y	
8-6-307	Operating Practices	Y	
8-6-403	Equipment installation and modification	Y	
8-6-501	Records	Y	
BAAQMD Regulation 8, Rule 33	**Organic Compounds-Gasoline bulk terminals and gasoline delivery vehicles (6/1/94)**		
8-33-301	Final gasoline bulk terminal limitations	Y	
8-33-302	Vapor Recovery System requirement	Y	
8-33-303	Bottom fill requirement	Y	
8-33-304	Delivery vehicle requirements	Y	
8-33-304.1	Vapor Integrity Requirement	Y	
8-33-304.2	Vapor recovery requirement	Y	
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	
8-33-308	Vapor Diaphragm Requirements	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 2-1-234.3.1)	Y	
Part 2	Record Keeping (basis: Regulation 2-1-234.3.1)	Y	

Table IV – AN
Source-specific Applicable Requirements
S1026-DAF 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	
8-8-307.1	a solid, gasketed, fixed cover totally enclosing the vessel liquid contents, with all cover openings closed, except for inspection, maintenance, or wastewater sampling. The cover may include an atmospheric vent or a pressure/vacuum valve. Also includes gap inspection frequency and limits.	Y	
8-8-307.2	an organic compound vapor recovery system with a minimum combined collection/destruction efficiency of 70 % by weight.	Y	
District Regulation 11 Rule 12	**Hazardous Pollutants - National Emission Standards for Benzene Emissions from Benzene Transfer Operations and Benzene Waste Operations (7/18/90, Refer to NESHAP Subpart FF below)**	**Y**	
NESHAP 40 CFR 61 Subpart A	**National Emission Standards for Hazardous Air Pollutants - General Provisions (3/16/95)**	**Y**	
61.01	Lists of pollutants and applicability of part 61	Y	
61.04	Address	Y	
61.05	Prohibited activities	Y	
61.07	Application for approval of construction or modification	Y	
61.09	Notification of startup	Y	
61.10	Source reporting and waiver request	Y	
61.12	Compliance with standards and maintenance requirements	Y	
61.13	Emission tests and waiver of emission tests	Y	
61.14	Monitoring requirements	Y	
61.19	Circumvention	Y	
40 CFR 61 Subpart FF	**National Emission Standard for Benzene Waste Operations (3/7/90)**	**Y**	
61.342	Standards: General	Y	
61.342(a)	exemption for facilities with less than 10 Mg/yr of benzene in waste from 61.342(b) and 61.342(c)	Y	

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
61.342(b)	facilities with 10 Mg/yr or more of benzene in waste shall comply with 61.342(c) through 61.342(h)	Y	
61.342(c)	for facilities with 10 Mg/yr or more of benzene in waste:	Y	
61.342(c)(1)	benzene-containing streams shall be treated in accordance with 61.342(c)(1)(i), 61.342(c)(1)(ii) and 61.342(c)(1)(iii), UNLESS it is demonstrated that weighted average benzene concentration is less than 10 ppmw [61.342(c)(2)], OR the stream contains process wastewater with a flowrate less than 0.02 l/min or an annual throughput of less than 10 Mg/yr [61.342(c)(3)(i)], OR the low-flow exemption in 61.342(c)(3)(i) is not used, no more than 2.0 Mg/yr of total benzene throughput is exempted from treatment, and the benzene throughput in each exempted stream is quantified each year [61.342(c)(3)(ii)]	Y	
61.342(c)(1)(i)	remove or destroy benzene in process or wastewater streams in accordance with 61.348	Y	
61.342(c)(1)(ii)	comply with 61.343 through 61.347 for treatment units operated in accordance with 61.342(c)(1)(i)	Y	
61.342(c)(1)(iii)	recycled wastes that have been returned to a process are no longer subject to 61.342(c)	Y	
61.342(d)	alternative to 61.342(c) standards for facilities with 10 Mg/yr or more of benzene in waste:	Y	
61.342(d)(1)	non-process wastewater shall be treated in accordance with 61.342(c)(1)	Y	
61.342(d)(2)	for process wastewater:	Y	
61.342(d)(2)(i)	treat process wastewater such that benzene content is reduced to a total of less than 1 Mg/yr	Y	
61.342(d)(2)(ii)	each wastewater stream that is treated in accordance with 61.342(d)(2)(i), shall be treated in accordance with 61.342(c)(1)	Y	
61.342(e)	alternative to 61.342(c) and 61.342(d) standards for facilities with 10 Mg/yr or more of benzene in waste:	Y	
61.342(e)(1)	waste with a flow-weighted annual average water content of less than 10% shall be treated in accordance with 61.342(c)(1)	Y	
61.342(e)(2)	for waste with a flow-weighted annual average water content of 10% or more by volume:	Y	
61.342(e)(2)(i)	waste shall not contain more than 6.0 Mg/yr benzene	Y	
61.342(f)	offsite treatment option	Y	

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
61.348	Standards: Treatment processes	Y	
61.354	Monitoring of operations	Y	
61.354(a)(ii)	process parameters shall be continuously monitored and recorded and inspected at least once per operating day to verify proper operation	Y	
61.355	Test methods, procedures and compliance provisions	Y	
61.355(b)(1)	quantification of annual waste quantity at sour water strippers (including ammonia stills at coke by-product plants) shall be made at the water effluent from the still	Y	
61.355(c)(1)(i)(A)	quantification of flow-weighted annual average benzene concentration (including ammonia stills at coke by-product plants) shall be made at the water effluent from the still	Y	
61.356	Recordkeeping requirements	Y	
61.356(a)	recordkeeping and retention requirements	Y	
61.356(b)	waste stream records	Y	
61.357	Reporting requirements	Y	
61.357(c)	reporting requirements for facilities with less than 10 Mg/yr total benzene in waste	Y	
61.357(d)	reporting requirements for facilities with 10 Mg/yr or more total benzene in waste	Y	
NESHAP 40 CFR 63 Subpart A	**National Emission Standards for Hazardous Air Pollutants for Source Categories (Note: For details see Table IV-N below)**	Y	
MACT 40 CFR 63 Subpart CC	**National Emissions Standards for Hazardous Air Pollutants from Petroleum Refineries (8/18/95)**	**Y**	
63.640(a)	applies to petroleum refining process units and to related emission points	Y	
63.640(c)(3)	wastewater streams and treatment operations associated with petroleum refining process units meeting the criteria of section 63.640(a)	Y	
63.640(d)(1)	exclusion for stormwater from segregated stormwater sewers	Y	
63.640(l)(3)	owner/operator of a petroleum refining wastewater stream shall comply with the recordkeeping and reporting requirements including the reports of (l)(3)(i) through (l)(3)(vii) of this section	Y	
63.640(o)	Overlap of this subpart CC with other regulations for wastewater.	Y	

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.640(o)(1)	After the compliance dates specified in (h), a Group 1 wastewater stream managed in a piece of equipment that is also subject to the provisions of 40 CFR part 60, subpart 111 is required to comply only with this subpart.	Y	
63.640(o)(2)	After the compliance dates specified in (h), a Group 1 or Group 2 wastewater stream that is conveyed, stored, or treated in a wastewater stream wastewater unit that also received streams subject to the provisions of 63.133 and 63.147 of subpart G wastewater p rovisions of this part shall comply as specified in (o)(2)(i) or (o)(2)(ii) of this section.	Y	
63.640(o)(2)(i)	comply with (o)(2)(i)(A) through (o)(2)(i)(C) of this section	Y	
63.640(o)(2)(i)(A)	in accordance with 63.133 through 63.140 of subpart G for all equipment used in the storage and conveyance of the Group 1 or Group 2 wastewater stream	Y	
63.640(o)(2)(i)(B)	in accordance with 40 CFR part 61, subpart FF and in 63.138 and 63.139 of subpart G for the treatment and control of the Group 1 or Group 2 wastewater stream	Y	
63.640(o)(2)(i)(C)	in accordance with 63.143 through 63.148 of subpart G for monitoring and inspections of equipment and for recordkeeping and reporting requirements.	Y	
63.640(o)(2)(ii)	comply with (o)(2)(ii)(A) and (o)(2)(ii)(B)	Y	
63.640(o)(2)(ii)(A)	in accordance with 63.133 through 63.148 and 63.151 and 63.152 of subpart G	Y	
63.640(o)(2)(ii)	For any Group 2 wastewater stream whose benzene emissions are subject to control through the use of one or more treatment processes or waste management units under 40 CFR part 61, subpart FF on or after 12/31/92, comply with the requirements of 63.133 through 63.147 of subpart G for Group 1 wastewater streams	Y	
63.640(p)	Overlap of subpart CC with other regulations for equipment leaks. After the compliance dates of (h) equipment leaks that are also subject to the provisions of 40 CFR parts 60 and 61 are required to comply only with the provisions of this subpart	Y	
63.640(q)	For overlap of subpart CC with local or State regulations, the permitting authority for the affected source may allow consolidation of the monitoring, recordkeeping, and reporting	Y	

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	requirements under this subpart.		
63.641	Definitions: (arranged alphabetically) Group 1 wastewater stream, Group 2 wastewater stream, miscellaneous process vents (specifically does not include emissions from wastewater collection and conveyance systems), wastewater	Y	
63.642	General Standards	Y	
63.642(a)	apply for a part 70 or part 71 operating permit	Y	
63.642(c)	Table 6 of this subpart specifies the subpart A provisions that apply.	Y	
63.642(d)	initial performance tests and compliance determinations shall be required only as specified in this subpart	Y	
63.642(e)	keep copies of all applicable reports and records for at least 5 years, except as otherwise specified in this subpart.	Y	
63.642(f)	all reports required by this subpart shall be sent to the Administrator	Y	
63.642(g)	existing source owners/operators shall control emissions of organic HAPs to the level represented by the equation in this paragraph	Y	
63.642(h)	new source owner/operators shall control emissions of organic HAPs to the level represented by the equation in paragraph (g) of this section.	Y	
63.642(i)	existing source owners/operators shall demonstrate compliance with (g) by following procedures in (k) for all emission points, or by following emission averaging compliance approach in (l) for specified emission points and the procedures in (k) for all other emission points within the source.	Y	
63.642(j)	new source owner/operators shall demonstrate compliance with (h) by following procedures in (k). they may not use emission averaging compliance approach	Y	
63.642(k)	existing source owners/operators may comply, and new sources owners/operators shall comply with the wastewater provisions in 63.647 and comply with 63.654 and is exempt from (g)	Y	
63.642(l)	emission averaging compliance approach	Y	
63.642(m)	States may restrict existing source owners/operators to only use the method in (k) to comply without allowance to use the emission averaging compliance approach	Y	
63.647	Wastewater provisions	Y	

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.647(a)	Owners/operators of Group 1 wastewater streams shall comply with sections 61.340 to 61.355 of 40 CFR part 61, subpart FF for each stream that meets the definition of 63.641.	Y	
63.647(c)	Owners/operators required under subpart FF of 40 CFR part 61 to perform periodic measurement of benzene concentration in wastewater, or to monitor process or control device operating parameters shall operate consistently with the permitted concentration or operating parameter values.	Y	
63.648	Equipment Leak Standards	Y	
63.648(a)	Existing source owners/operators subject to this subpart shall comply with the provisions of 40 CFR part 60 subpart VV and paragraph (b) of this section except as provided in paragraphs (a)(1), (a)(2), and (c) through (i) of this section. New source owners/operators shall comply with subpart H of this part except as provided in paragraphs (c) through (i) of this section.	Y	
63.648(b)	Monitoring data generated before 8/18/95 to qualify for less frequent monitoring of valves and pumps as provided in 40 CFR part 60 subpart VV or subpart H of this part and paragraph (c) of this section is governed by paragraphs (b)(1) and (b)(2) of this section.	Y	
63.648(c)	In lieu of complying with the existing source provisions of paragraph (a) an owner/operator may elect to comply with certain requirements of subpart H of this part except as provided in paragraphs (c)(1) through (c)(10) and (e) through (i) of this section.	Y	
63.648(d)	Upon startup of new sources, the owner/operator shall comply with section 63.163(a)(1)(ii) of subpart H of this part for light liquid pumps and 63.168(a)(1)(ii) of subpart H for gas/vapor and light liquid valves.	Y	
63.648(e)	For reciprocating pumps in heavy liquid service and agitator in heavy liquid service and agitators in heavy liquid service, owners/operators are not required to comply with the requirements in section 63.169 of subpart H of this part.	Y	
63.648(f)	Reciprocating pumps in light liquid service are exempt from section 63.163 and 60.482 if recasting the distance piece or reciprocating pump replacement is required.	Y	
63.648(h)	Owner/operators of sources subject to this subpart must maintain all records for a minimum of 5 years.	Y	

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.649	Alternative means of emission limitation: Connectors in gas/vapor service and light liquid service.	Y	
63.649(a)	In accordance with 63.648(c)(2)(ii), owner/operator shall implement one of the connector monitoring programs specified in this section.	Y	
63.652	Emissions averaging provisions.	Y	
63.652(a)	Can be used to comply with the emission standard in 63.642(g)	Y	
63.652(c)	Group 2 emission points and Group 1 wastewater streams are included in the list of emission points that may be used to generate emission averaging credits.	Y	
63.652(d)(4)	Wastewater that is not process wastewater or wastewater streams treated in biological treatment units cannot be used to generate credits or debits.	Y	
63.652(e) and (f) and (g) and (h) and (i) and (j) and (k) and	Calculation and demonstration of credits (including an equation).	Y	
63.654	Reporting and recordkeeping requirements	Y	
63.654(a)	Owner/operators subject to the wastewater provisions of 63.647 shall comply with the recordkeeping and reporting requirements in 61.356 and 61.357 of 40 CFR part 61, subpart FF, unless they comply with those specified in paragraph (o)(2)(ii) of 63.640. Recordkeeping and reporting for wastewater streams included in emission averages are specified in 63.653 and in paragraphs (f)(5) and (g)(8) of this section.	Y	
63.654(d)	Owner/operators subject to the equipment leaks standards in 63.648 shall comply with the recordkeeping and reporting provisions of paragraphs (d)(1) through (d)(6) of this section.	Y	
Appendix to Subpart CC to Part 63	**Tables**	**Y**	
Table 1	Hazardous Air Pollutants	Y	
Table 2	Leak Definitions for Pumps and Valves	Y	
Table 3	Equipment Leak Recordkeeping and Reporting Requirements for Sources Complying with Section 63.648 of Subpart CC by Compliance with Subpart H of this Part	Y	
Table 6	General Provisions Applicability to Subpart CC	Y	

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Table 7	Fraction Measured (Fm), Fraction Emitted (Fc), and Fraction Removed (Fr) for HAP Compounds in Wastewater Streams	Y	
Table 8	Valve Monitoring Frequency for Phase III	Y	
Table 9	Valve Monitoring Frequency for Alternative	Y	
BAAQMD Condition # 4587			
Part 1	Requirement for DAF Cover (basis: cumulative increase)	Y	
Part 2	Fan Operation and Abatement (basis: cumulative increase)	Y	
Part 3	Differential Pressure Controller Operation (basis: cumulative increase)	Y	
Part 4	Parallel Arrangement of Carbon Canisters (basis: toxics)	Y	
Part 5A	A-39 Non-methane Hydrocarbon Emission Limitation	Y	
Part 5B	A-38 Non-methane Hydrocarbon Emission Limitation	Y	
Part 6	Requirement for Continuous Hydrocarbon Monitor and Recorder	Y	
Part 7	Limitation on Hydrogen Sulfide Emissions to Atmosphere (basis: toxics)	Y	
Part 8	Schedule for Hydrocarbon and Hydrogen Sulfide Breakthrough	Y	
Part 9	Minimum Operating Temperature Requirements for A-39 (basis: cumulative increase, offsets)	Y	
Part 10	Requirement for a Continuous Temperature Monitor Recorder (basis: cumulative increase, offsets)	Y	
Part 11	Record Keeping (basis: cumulative increase, offsets)	Y	
BAAQMD Condition # 19528			
Part 1	Throughput limit (basis: Regulation 2-1-234.3.1)	Y	
Part 2	Record Keeping (basis: Regulation 2-1-234.3.1)	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)		
Part A2	Fugitive POC Emission Limitation (basis: cumulative increase, toxics, BACT, offsets)		
Part A3	Requirement for Pressure Relief Valves to Vent to Flare Gas Recovery (basis: Regulation 8-28)		
Part A4	Methanol Record Keeping (basis: cumulative increase, offsets)		
Part A6	Record Keeping (basis: cumulative increase, offsets)		
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 – 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
NESHAP 40 CFR 63 Subpart A	**National Emission Standards for Hazardous Air Pollutants for Source Categories (Note: For details see Table IV-N below)**	Y	
MACT 40 CFR 63 Subpart CC	**National Emissions Standards for Hazardous Air Pollutants from Petroleum Refineries (8/18/95)**	**Y**	
63.640(a)	applies to petroleum refining process units and to related emission points	Y	
63.640(c)(3)	wastewater streams and treatment operations associated with petroleum refining process units meeting the criteria of section 63.640(a)	Y	
63.640(d)(1)	exclusion for stormwater from segregated stormwater sewers	Y	
63.640(l)(3)	owner/operator of a petroleum refining wastewater stream shall comply with the recordkeeping and reporting requirements	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
	including the reports of (l)(3)(i) through (l)(3)(vii) of this section		
63.640(o)	Overlap of this subpart CC with other regulations for wastewater.	Y	
63.640(o)(1)	After the compliance dates specified in (h), a Group 1 wastewater stream managed in a piece of equipment that is also subject to the provisions of 40 CFR part 60, subpart 111 is required to comply only with this subpart.	Y	
63.640(o)(2)	After the compliance dates specified in (h), a Group 1 or Group 2 wastewater stream that is conveyed, stored, or treated in a wastewater stream wastewater unit that also received streams subject to the provisions of 63.133 and 63.147 of subpart G wastewater provisions of this part shall comply as specified in (o)(2)(i) or (o)(2)(ii) of this section.	Y	
63.640(o)(2)(i)	comply with (o)(2)(i)(A) through (o)(2)(i)(C) of this section	Y	
63.640(o)(2)(i)(A)	in accordance with 63.133 through 63.140 of subpart G for all equipment used in the storage and conveyance of the Group 1 or Group 2 wastewater stream	Y	
63.640(o)(2)(i)(B)	in accordance with 40 CFR part 61, subpart FF and in 63.138 and 63.139 of subpart G for the treatment and control of the Group 1 or Group 2 wastewater stream	Y	
63.640(o)(2)(i)(C)	in accordance with 63.143 through 63.148 of subpart G for monitoring and inspections of equipment and for recordkeeping and reporting requirements.	Y	
63.640(o)(2)(ii)	comply with (o)(2)(ii)(A) and (o)(2)(ii)(B)	Y	
63.640(o)(2)(ii)(A)	in accordance with 63.133 through 63.148 and 63.151 and 63.152 of subpart G	Y	
63.640(o)(2)(ii)	For any Group 2 wastewater stream whose benzene emissions are subject to control through the use of one or more treatment processes or waste management units under 40 CFR part 61, subpart FF on or after 12/31/92, comply with the requirements of 63.133 through 63.147 of subpart G for Group 1 wastewater streams	Y	
63.640(p)	Overlap of subpart CC with other regulations for equipment leaks. After the compliance dates of (h) equipment leaks that are also subject to the provisions of 40 CFR parts 60 and 61 are required to comply only with the provisions of this subpart	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
63.640(q)	For overlap of subpart CC with local or State regulations, the permitting authority for the affected source may allow consolidation of the monitoring, recordkeeping, and reporting requirements under this subpart.	Y	
63.641	Definitions: (arranged alphabetically) Group 1 wastewater stream, Group 2 wastewater stream, miscellaneous process vents (specifically does not include emissions from wastewater collection and conveyance systems), wastewater	Y	
63.642	General Standards		
63.642(a)	apply for a part 70 or part 71 operating permit	Y	
63.642(c)	Table 6 of this subpart specifies the subpart A provisions that apply.	Y	
63.642(d)	initial performance tests and compliance determinations shall be required only as specified in this subpart	Y	
63.642(e)	keep copies of all applicable reports and records for at least 5 years, except as otherwise specified in this subpart.	Y	
63.642(f)	all reports required by this subpart shall be sent to the Administrator	Y	
63.642(g)	existing source owners/operators shall control emissions of organic HAPs to the level represented by the equation in this paragraph	Y	
63.642(h)	new source owner/operators shall control emissions of organic HAPs to the level represented by the equation in paragraph (g) of this section.	Y	
63.642(i)	existing source owners/operators shall demonstrate compliance with (g) by following procedures in (k) for all emission points, or by following emission averaging compliance approach in (l) for specified emission points and the procedures in (k) for all other emission points within the source.	Y	
63.642(j)	new source owner/operators shall demonstrate compliance with (h) by following procedures in (k). they may not use emission averaging compliance approach	Y	
63.642(k)	existing source owners/operators may comply, and new sources owners/operators shall comply with the wastewater provisions in 63.647 and comply with 63.654 and is exempt from (g)	Y	
63.642(l)	emission averaging compliance approach	Y	
63.642(m)	States may restrict existing source owners/operators to only use the	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
	method in (k) to comply without allowance to use the emission averaging compliance approach		
63.647	Wastewater provisions	Y	
63.647(a)	Owners/operators of Group 1 wastewater streams shall comply with sections 61.340 to 61.355 of 40 CFR part 61, subpart FF for each stream that meets the definition of 63.641.	Y	
63.647(c)	Owners/operators required under subpart FF of 40 CFR part 61 to perform periodic measurement of benzene concentration in wastewater, or to monitor process or control device operating parameters shall operate consistently with the permitted concentration or operating parameter values.	Y	
63.648	Equipment Leak Standards	Y	
63.648(a)	Existing source owners/operators subject to this subpart shall comply with the provisions of 40 CFR part 60 subpart VV and paragraph (b) of this section except as provided in paragraphs (a)(1), (a)(2), and (c) through (i) of this section. New source owners/operators shall comply with subpart H of this part except as provided in paragraphs (c) through (i) of this section.	Y	
63.648(b)	Monitoring data generated before 8/18/95 to qualify for less frequent monitoring of valves and pumps as provided in 40 CFR part 60 subpart VV or subpart H of this part and paragraph (c) of this section is governed by paragraphs (b)(1) and (b)(2) of this section.	Y	
63.648(c)	In lieu of complying with the existing source provisions of paragraph (a) an owner/operator may elect to comply with certain requirements of subpart H of this part except as provided in paragraphs (c)(1) through (c)(10) and (e) through (i) of this section.	Y	
63.648(d)	Upon startup of new sources, the owner/operator shall comply with section 63.163(a)(1)(ii) of subpart H of this part for light liquid pumps and 63.168(a)(1)(ii) of subpart H for gas/vapor and light liquid valves.	Y	
63.648(e)	For reciprocating pumps in heavy liquid service and agitator in heavy liquid service and agitators in heavy liquid service, owners/operators are not required to comply with the requirements in section 63.169 of subpart H of this part.	Y	
63.648(f)	Reciprocating pumps in light liquid service are exempt from	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
	section 63.163 and 60.482 if recasting the distance piece or reciprocating pump replacement is required.		
63.648(h)	Owner/operators of sources subject to this subpart must maintain all records for a minimum of 5 years.	Y	
63.649	Alternative means of emission limitation: Connectors in gas/vapor service and light liquid service.	Y	
63.649(a)	In accordance with 63.648(c)(2)(ii), owner/operator shall implement one of the connector monitoring programs specified in this section.	Y	
63.652	Emissions averaging provisions.	Y	
63.652(a)	Can be used to comply with the emission standard in 63.642(g)	Y	
63.652(c)	Group 2 emission points and Group 1 wastewater streams are included in the list of emission points that may be used to generate emission averaging credits.	Y	
63.652(d)(4)	Wastewater that is not process wastewater or wastewater streams treated in biological treatment units cannot be used to generate credits or debits.	Y	
63.652(e) and (f) and (g) and (h) and (i) and (j) and (k) and	Calculation and demonstration of credits (including an equation).	Y	
63.654	Reporting and recordkeeping requirements	Y	
63.654(a)	Owner/operators subject to the wastewater provisions of 63.647 shall comply with the recordkeeping and reporting requirements in 61.356 and 61.357 of 40 CFR part 61, subpart FF, unless they comply with those specified in paragraph (o)(2)(ii) of 63.640. Recordkeeping and reporting for wastewater streams included in emission averages are specified in 63.653 and in paragraphs (f)(5) and (g)(8) of this section.	Y	
63.654(d)	Owner/operators subject to the equipment leaks standards in 63.648 shall comply with the recordkeeping and reporting provisions of paragraphs (d)(1) through (d)(6) of this section.	Y	
Appendix to Subpart CC to Part 63	**Tables**	**Y**	
Table 1	Hazardous Air Pollutants	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
Table 2	Leak Definitions for Pumps and Valves	Y	
Table 3	Equipment Leak Recordkeeping and Reporting Requirements for Sources Complying with Section 63.648 of Subpart CC by Compliance with Subpart H of this Part	Y	
Table 6	General Provisions Applicability to Subpart CC	Y	
Table 7	Fraction Measured (Fm), Fraction Emitted (Fc), and Fraction Removed (Fr) for HAP Compounds in Wastewater Streams	Y	
Table 8	Valve Monitoring Frequency for Phase III	Y	
Table 9	Valve Monitoring Frequency for Alternative	Y	
Appendix C to Part 63	**Determination of the Fraction Biodegraded (Fbio) in a Biological Treatment Unit**	**Y**	
Appendix C (I)	Purpose of this appendix is to define the procedures for an owner/operator to use to calculate the site specific fraction of organic compounds biodegraded in a biological treatment unit.	Y	
Appendix C (II)	Definitions	Y	
Appendix C (III)	Procedures for Determination of fbio	Y	
Appendix C (IV)	Calculation of Fbio	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 – 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

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	
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	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	**General Provisions and Definitions (11/3/93)**		
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	

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 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	
9-1-313.1	crude oil sulfur content does not exceed 0.10 percent by weight, OR	Y	
9-1-313.2	operation of a sulfur removal and recovery system that removes and recovers: 95% of H2S from refinery fuel gas, 95% of H2S and ammonia from process water streams (sulfur recovery is required when a facility removes 16.5 ton/day or more of elemental sulfur).	N	
9-1-502	Emission Monitoring Requirements (Regulations 1-520, 1-522)	Y	
SIP Regulation 9, Rule 1	**Inorganic Gaseous Pollutants – Sulfur Dioxide (5/20/92)**	**Y**	
9-1-313.2	operation of a sulfur removal and recovery system that removes and recovers: 95% of H2S from refinery fuel gas, 95% of H2S and ammonia from process water streams	Y	
BAAQMD Regulation 9, Rule 2	**Inorganic Gaseous Pollutants – Hydrogen Sulfide (10/6/99)**	**N**	
9-2-301	Limitations of Hydrogen Sulfide ground level concentrations	N	
9-2-501	Area Monitoring Requirements	N	
BAAQMD 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 # 19528			
Part 1	Monitoring	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 2	Throughput limit (basis: Regulation 2-1-234.3.1)	Y	
Part 3	Record Keeping (basis: Regulation 2-1-234.3.1)	Y	

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann Number 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-311	General Operations (process weight rate limitation)	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Regulation 9, Rule 1	**Inorganic Gaseous Pollutants – Sulfur Dioxide (3/15/95)**		
9-1-301	Limitations on Ground level Concentrations	Y	
BAAQMD Condition # 8535			
Part 1	Particulate matter grain loading limitation (basis: cumulative increase)	Y	
Part 2	Requirement for particulate scrubber (basis: cumulative increase, Regulation 6)	Y	
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 2-1-234.3.1)	Y	
Part 2	Record Keeping (basis: Regulation 2-1-234.3.1)	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
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann Number 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-311	General Operations (process weight rate limitation)	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Regulation 9, Rule 1	**Inorganic Gaseous Pollutants – Sulfur Dioxide (3/15/95)**		
9-1-301	Limitations on Ground level Concentrations	Y	
SIP Regulation 9, Rule 1	**PROVISIONS NO LONGER IN CURRENT RULE Inorganic Gases – Sulfur Dioxide (5/3/84)**		
9-1-301	Limitations on Ground Level Concentrations	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 – 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

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	
1-522.1	Plans and Specifications	Y	
1-522.2	Installation Scheduling	Y	
1-522.3	Performance Testing	Y	
1-522.4	Periods of Inoperation Greater Than 24 Hours	Y	
1-522.5	Calibration	Y	
1-522.6	Accuracy	Y	
1-522.7	Excesses	Y	
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)**		
1-541	Emission Excesses	Y	
1-602	Area and Continuous Emission Monitoring Requirements	Y	
1-604	Opacity Measurements	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	N	
9-1-309	Emission Limitations for Sulfuric Acid Plants	N	
9-1-502	Emission Monitoring Requirements	N	
9-1-601	Sampling and Analysis of Gas Streams	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
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)**		
9-1-301	Limitations on Ground Level Concentrations	Y	
9-1-308.2	Emission Limitations for Sulfuric Acid Plants	Y	
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	
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 – AU
Source-specific Applicable Requirements
S1421–AMMONIA RECOVERY UNIT FEED TANK, TANK 757

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	
NESHAP	**National Emission Standards for Hazardous Air Pollutants - General**	**Y**	

Table IV – AU
Source-specific Applicable Requirements
S1421–AMMONIA RECOVERY UNIT FEED TANK, TANK 757

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
40 CFR 61 Subpart A	**Provisions (3/16/95)**		
61.01	Lists of pollutants and applicability of part 61	Y	
61.04	Address	Y	
61.05	Prohibited activities	Y	
61.07	Application for approval of construction or modification	Y	
61.09	Notification of startup	Y	
61.10	Source reporting and waiver request	Y	
61.12	Compliance with standards and maintenance requirements	Y	
61.13	Emission tests and waiver of emission tests	Y	
61.14	Monitoring requirements	Y	
61.19	Circumvention	Y	
61.342	Standards: General	Y	
61.342(a)	exemption for facilities with less than 10 Mg/yr of benzene in waste from 61.342(b) and 61.342(c)	Y	
61.342(b)	facilities with 10 Mg/yr or more of benzene in waste shall comply with 61.342(c) through 61.342(h)	Y	
61.342(c)	for facilities with 10 Mg/yr or more of benzene in waste:	Y	
61.342(c)(1)	benzene-containing streams shall be treated in accordance with 61.342(c)(1)(i), 61.342(c)(1)(ii) and 61.342(c)(1)(iii), UNLESS it is demonstrated that weighted average benzene concentration is less than 10 ppmw [61.342(c)(2)], OR the stream contains process wastewater with a flowrate less than 0.02 l/min or an annual throughput of less than 10 Mg/yr [61.342(c)(3)(i)], OR the low-flow exemption in 61.342(c)(3)(i) is not used, no more than 2.0 Mg/yr of total benzene throughput is exempted from treatment, and the benzene throughput in each exempted stream is quantified each year [61.342(c)(3)(ii)]	Y	
61.342(c)(1)(i)	remove or destroy benzene in process or wastewater streams in accordance with 61.348	Y	
61.342(c)(1)(ii)	comply with 61.343 through 61.347 for treatment units operated in accordance with 61.342(c)(1)(i)	Y	
61.342(c)(1)(iii)	recycled wastes that have been returned to a process are no longer subject to 61.342(c)	Y	
61.342(d)	alternative to 61.342(c) standards for facilities with 10 Mg/yr or more of benzene in waste:	Y	

Table IV – AU
Source-specific Applicable Requirements
S1421–AMMONIA RECOVERY UNIT FEED TANK, TANK 757

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
61.342(d)(1)	non-process wastewater shall be treated in accordance with 61.342(c)(1)	Y	
61.342(d)(2)	for process wastewater:	Y	
61.342(d)(2)(i)	treat process wastewater such that benzene content is reduced to a total of less than 1 Mg/yr	Y	
61.342(d)(2)(ii)	each wastewater stream that is treated in accordance with 61.342(d)(2)(i), shall be treated in accordance with 61.342(c)(1)	Y	
61.342(e)	alternative to 61.342(c) and 61.342(d) standards for facilities with 10 Mg/yr or more of benzene in waste:	Y	
61.342(e)(1)	waste with a flow-weighted annual average water content of less than 10% shall be treated in accordance with 61.342(c)(1)	Y	
61.342(e)(2)	for waste with a flow-weighted annual average water content of 10% or more by volume:	Y	
61.342(e)(2)(i)	waste shall not contain more than 6.0 Mg/yr benzene	Y	
61.342(f)	offsite treatment option	Y	
61.343	Standards: Tanks	Y	
61.343(a)(1)	Owner/operator shall install, operate, and maintain a fixed-roof and closed-vent system that routes all organic vapors vented from the tank to a control device.	Y	
61.343(a)(1)(i)	Fixed Roof leak requirements - < 500 ppmv above background, determined initially then annually by method in 61.355(h) of this subpart.	Y	
61.343(a)(1)(ii)	Closed-vent system and control device designed and operated in accordance with 61.349 of this subpart	Y	
61.343(b)	For a tank that meets all of the conditions of paragraph (b)(1), the owner/operator may elect to comply with paragraph (b)(2) as an alternative to the requirements of (a)(1).	Y	
61.343(b)(1)	The waste managed in the tank complying with (b)(2) shall meet all of the following conditions: wastestream managed in the tank must have a flow-weighted annual average water content less than or equal to 10% water, on a volume basis and the waste managed in the tank either: has a maximum organic vapor pressure less than 0.75 psi, or has a maximum organic vapor pressure less than 4.0 psi and is managed in a tank less than 40,000 gallons, or has a maximum organic vapor pressure less than 11.1 psi and is managed in a tank having a design capacity less than 20,000 gallons.	Y	
61.343(b)(2)	Owner/operator shall install, operate, and maintain a fixed roof as specified	Y	

Table IV – AU
Source-specific Applicable Requirements
S1421–AMMONIA RECOVERY UNIT FEED TANK, TANK 757

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	in paragraph (a)(1)(i).		
61.343(b)(3)	may use devices that vent directly to atmosphere provided the devices are closed, sealed during normal operations except when the device needs to open to p revent damage or deformation of the tank or cover.	Y	
61.343(c)	Inspect all fixed-roof, seal, access doors, and all other openings visually initially and quarterly for cracks and gaps and that doors and openings are closed and gasketed properly.	Y	
61.343(d)	When a broken seal or gasket is identified, or when detectable emissions are measured, first efforts at repair shall be made as soon as practicable, but not later than 45 calendar days after identification.	Y	
61.348	Standards: Treatment processes	Y	
61.351	Alternative standards for tanks.	Y	
61.354	Monitoring of operations	Y	
61.354(a)(ii)	process parameters shall be continuously monitored and recorded and inspected at least once per operating day to verify proper operation	Y	
61.355	Test methods, procedures and compliance provisions	Y	
61.355(b)(1)	quantification of annual waste quantity at sour water strippers (including ammonia stills at coke by-product plants) shall be made at the water effluent from the still	Y	
61.355(c)(1)(i)(A)	quantification of flow-weighted annual average benzene concentration (including ammonia stills at coke by-product plants) shall be made at the water effluent from the still	Y	
61.356	Recordkeeping requirements	Y	
61.356(a)	recordkeeping and retention requirements	Y	
61.356(b)	waste stream records	Y	
61.357	Reporting requirements	Y	
61.357(c)	reporting requirements for facilities with less than 10 Mg/yr total benzene in waste	Y	
61.357(d)	reporting requirements for facilities with 10 Mg/yr or more total benzene in waste	Y	
63.640(a)	applies to petroleum refining process units and to related emission points	Y	
63.640(c)(3)	wastewater streams and treatment operations associated with petroleum refining process units meeting the criteria of section 63.640(a)	Y	
63.640(d)(1)	exclusion for stormwater from segregated stormwater sewers	Y	
63.640(l)(3)	owner/operator of a petroleum refining wastewater stream shall comply with the recordkeeping and reporting requirements including the reports of	Y	

Table IV – AU
Source-specific Applicable Requirements
S1421–AMMONIA RECOVERY UNIT FEED TANK, TANK 757

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	(l)(3)(i) through (l)(3)(vii) of this section		
63.640(o)	Overlap of this subpart CC with other regulations for wastewater.	Y	
63.640(o)(1)	After the compliance dates specified in (h), a Group 1 wastewater stream managed in a piece of equipment that is also subject to the provisions of 40 CFR part 60, subpart 111 is required to comply only with this subpart.	Y	
63.640(o)(2)	After the compliance dates specified in (h), a Group 1 or Group 2 wastewater stream that is conveyed, stored, or treated in a wastewater stream wastewater unit that also received streams subject to the provisions of 63.133 and 63.147 of subpart G wastewater provisions of this part shall comply as specified in (o)(2)(i) or (o)(2)(ii) of this section.	Y	
63.640(o)(2)(i)	comply with (o)(2)(i)(A) through (o)(2)(i)(C) of this section	Y	
63.640(o)(2)(i)(A)	in accordance with 63.133 through 63.140 of subpart G for all equipment used in the storage and conveyance of the Group 1 or Group 2 wastewater stream	Y	
63.640(o)(2)(i)(B)	in accordance with 40 CFR part 61, subpart FF and in 63.138 and 63.139 of subpart G for the treatment and control of the Group 1 or Group 2 wastewater stream	Y	
63.640(o)(2)(i)(C)	in accordance with 63.143 through 63.148 of subpart G for monitoring and inspections of equipment and for recordkeeping and reporting requirements.	Y	
63.640(o)(2)(ii)	comply with (o)(2)(ii)(A) and (o)(2)(ii)(B)	Y	
63.640(o)(2)(ii)(A)	in accordance with 63.133 through 63.148 and 63.151 and 63.152 of subpart G	Y	
63.640(o)(2)(ii)	For any Group 2 wastewater stream whose benzene emissions are subject to control through the use of one or more treatment processes or waste management units under 40 CFR part 61, subpart FF on or after 12/31/92, comply with the requirements of 63.133 through 63.147 of subpart G for Group 1 wastewater streams	Y	
63.640(p)	Overlap of subpart CC with other regulations for equipment leaks. After the compliance dates of (h) equipment leaks that are also subject to the provisions of 40 CFR parts 60 and 61 are required to comply only with the provisions of this subpart	Y	
63.640(q)	For overlap of subpart CC with local or State regulations, the permitting authority for the affected source may allow consolidation of the monitoring, recordkeeping, and reporting requirements under this subpart.	Y	
63.641	Definitions: (arranged alphabetically) Group 1 wastewater stream, Group	Y	

Table IV – AU
Source-specific Applicable Requirements
S1421–AMMONIA RECOVERY UNIT FEED TANK, TANK 757

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	2 wastewater stream, miscellaneous process vents (specifically does not include emissions from wastewater collection and conveyance systems), wastewater		
63.642	General Standards		
63.642(a)	apply for a part 70 or part 71 operating permit	Y	
63.642(c)	Table 6 of this subpart specifies the subpart A provisions that apply.	Y	
63.642(d)	initial performance tests and compliance determinations shall be required only as specified in this subpart	Y	
63.642(e)	keep copies of all applicable reports and records for at least 5 years, except as otherwise specified in this subpart.	Y	
63.642(f)	all reports required by this subpart shall be sent to the Administrator	Y	
63.642(g)	existing source owners/operators shall control emissions of organic HAPs to the level represented by the equation in this paragraph	Y	
63.642(h)	new source owner/operators shall control emissions of organic HAPs to the level represented by the equation in paragraph (g) of this section.	Y	
63.642(i)	existing source owners/operators shall demonstrate compliance with (g) by following procedures in (k) for all emission points, or by following emission averaging compliance approach in (l) for specified emission points and the procedures in (k) for all other emission points within the source.	Y	
63.642(j)	new source owner/operators shall demonstrate compliance with (h) by following procedures in (k). they may not use emission averaging compliance approach	Y	
63.642(k)	existing source owners/operators may comply, and new sources owners/operators shall comply with the wastewater provisions in 63.647 and comply with 63.654 and is exempt from (g)	Y	
63.642(l)	emission averaging compliance approach	Y	
63.642(m)	States may restrict existing source owners/operators to only use the method in (k) to comply without allowance to use the emission averaging compliance approach	Y	
63.647	Wastewater provisions	Y	
63.647(a)	Owners/operators of Group 1 wastewater streams shall comply with sections 61.340 to 61.355 of 40 CFR part 61, subpart FF for each stream that meets the definition of 63.641.	Y	
63.647(c)	Owners/operators required under subpart FF of 40 CFR part 61 to perform periodic measurement of benzene concentration in wastewater, or to	Y	

Table IV – AU
Source-specific Applicable Requirements
S1421–AMMONIA RECOVERY UNIT FEED TANK, TANK 757

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	monitor process or control device operating parameters shall operate consistently with the permitted concentration or operating parameter values.		
63.648	Equipment Leak Standards	Y	
63.648(a)	Existing source owners/operators subject to this subpart shall comply with the provisions of 40 CFR part 60 subpart VV and paragraph (b) of this section except as provided in paragraphs (a)(1), (a)(2), and (c) through (i) of this section. New source owners/operators shall comply with subpart H of this part except as provided in paragraphs (c) through (i) of this section.	Y	
63.648(b)	Monitoring data generated before 8/18/95 to qualify for less frequent monitoring of valves and pumps as provided in 40 CFR part 60 subpart VV or subpart H of this part and paragraph (c) of this section is governed by paragraphs (b)(1) and (b)(2) of this section.	Y	
63.648(c)	In lieu of complying with the existing source provisions of paragraph (a) an owner/operator may elect to comply with certain requirements of subpart H of this part except as provided in paragraphs (c)(1) through (c)(10) and (e) through (i) of this section.	Y	
63.648(d)	Upon startup of new sources, the owner/operator shall comply with section 63.163(a)(1)(ii) of subpart H of this part for light liquid pumps and 63.168(a)(1)(ii) of subpart H for gas/vapor and light liquid valves.	Y	
63.648(e)	For reciprocating pumps in heavy liquid service and agitator in heavy liquid service and agitators in heavy liquid service, owners/operators are not required to comply with the requirements in section 63.169 of subpart H of this part.	Y	
63.648(f)	Reciprocating pumps in light liquid service are exempt from section 63.163 and 60.482 if recasting the distance piece or reciprocating pump replacement is required.	Y	
63.648(h)	Owner/operators of sources subject to this subpart must maintain all records for a minimum of 5 years.	Y	
63.649	Alternative means of emission limitation: Connectors in gas/vapor service and light liquid service.	Y	
63.649(a)	In accordance with 63.648(c)(2)(ii), owner/operator shall implement one of the connector monitoring programs specified in this section.	Y	
63.652	Emissions averaging provisions.	Y	
63.652(a)	Can be used to comply with the emission standard in 63.642(g)	Y	
63.652(c)	Group 2 emission points and Group 1 wastewater streams are included in the list of emission points that may be used to generate emission averaging	Y	

Table IV – AU
Source-specific Applicable Requirements
S1421–AMMONIA RECOVERY UNIT FEED TANK, TANK 757

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	credits.		
63.652(d)(4)	Wastewater that is not process wastewater or wastewater streams treated in biological treatment units cannot be used to generate credits or debits.	Y	
63.652(e) and (f) and (g) and (h) and (i) and (j) and (k) and	Calculation and demonstration of credits (including an equation).	Y	
63.654	Reporting and recordkeeping requirements	Y	
63.654(a)	Owner/operators subject to the wastewater provisions of 63.647 shall comply with the recordkeeping and reporting requirements in 61.356 and 61.357 of 40 CFR part 61, subpart FF, unless they comply with those specified in paragraph (o)(2)(ii) of 63.640. Recordkeeping and reporting for wastewater streams included in emission averages are specified in 63.653 and in paragraphs (f)(5) and (g)(8) of this section.	Y	
63.654(d)	Owner/operators subject to the equipment leaks standards in 63.648 shall comply with the recordkeeping and reporting provisions of paragraphs (d)(1) through (d)(6) of this section.	Y	
Appendix to Subpart CC to Part 63	**Tables**	**Y**	
Table 1	Hazardous Air Pollutants	Y	
Table 2	Leak Definitions for Pumps and Valves	Y	
Table 3	Equipment Leak Recordkeeping and Reporting Requirements for Sources Complying with Section 63.648 of Subpart CC by Compliance with Subpart H of this Part	Y	
Table 6	General Provisions Applicability to Subpart CC	Y	
Table 7	Fraction Measured (Fm), Fraction Emitted (Fc), and Fraction Removed (Fr) for HAP Compounds in Wastewater Streams	Y	
Table 8	Valve Monitoring Frequency for Phase III	Y	
Table 9	Valve Monitoring Frequency for Alternative	Y	
BAAQMD Condition # 13282			
Part 1	Limit on Throughput to S-1421 or Emission Limitation (basis: cumulative increase, offsets)	Y	

Table IV – AU
Source-specific Applicable Requirements
S1421–AMMONIA RECOVERY UNIT FEED TANK, TANK 757

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 2	Storage Of Materials Other Than Diesel Gasoline (basis: cumulative increase, toxics)	Y	
Part 3	Tank and Tank Fitting Requirements (basis: cumulative increase, BACT, offsets)	Y	
Part 4	Record Keeping (basis: cumulative increase, toxics, Regulation 8-5, offsets)	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-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	
12-10-510	Records	N	
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-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 2-1-234.3.1)	Y	
Part 2	Record Keeping (basis: Regulation 2-1-234.3.1)	Y	

Table IV – AX
Source-specific Applicable Requirements
S1421–AMMONIA RECOVERY UNIT FEED TANK, TANK 757

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	
NESHAP 40 CFR 61 Subpart A	**National Emission Standards for Hazardous Air Pollutants - General Provisions (3/16/95)**	**Y**	
61.01	Lists of pollutants and applicability of part 61	Y	

Table IV – AX
Source-specific Applicable Requirements
S1421–AMMONIA RECOVERY UNIT FEED TANK, TANK 757

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
61.04	Address	Y	
61.05	Prohibited activities	Y	
61.07	Application for approval of construction or modification	Y	
61.09	Notification of startup	Y	
61.10	Source reporting and waiver request	Y	
61.12	Compliance with standards and maintenance requirements	Y	
61.13	Emission tests and waiver of emission tests	Y	
61.14	Monitoring requirements	Y	
61.19	Circumvention	Y	
61.342	Standards: General	Y	
61.342(a)	exemption for facilities with less than 10 Mg/yr of benzene in waste from 61.342(b) and 61.342(c)	Y	
61.342(b)	facilities with 10 Mg/yr or more of benzene in waste shall comply with 61.342(c) through 61.342(h)	Y	
61.342(c)	for facilities with 10 Mg/yr or more of benzene in waste:	Y	
61.342(c)(1)	benzene-containing streams shall be treated in accordance with 61.342(c)(1)(i), 61.342(c)(1)(ii) and 61.342(c)(1)(iii), UNLESS it is demonstrated that weighted average benzene concentration is less than 10 ppmw [61.342(c)(2)], OR the stream contains process wastewater with a flowrate less than 0.02 l/min or an annual throughput of less than 10 Mg/yr [61.342(c)(3)(i)], OR the low-flow exemption in 61.342(c)(3)(i) is not used, no more than 2.0 Mg/yr of total benzene throughput is exempted from treatment, and the benzene throughput in each exempted stream is quantified each year [61.342(c)(3)(ii)]	Y	
61.342(c)(1)(i)	remove or destroy benzene in process or wastewater streams in accordance with 61.348	Y	
61.342(c)(1)(ii)	comply with 61.343 through 61.347 for treatment units operated in accordance with 61.342(c)(1)(i)	Y	
61.342(c)(1)(iii)	recycled wastes that have been returned to a process are no longer subject to 61.342(c)	Y	

Table IV – AX
Source-specific Applicable Requirements
S1421–AMMONIA RECOVERY UNIT FEED TANK, TANK 757

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
61.342(d)	alternative to 61.342(c) standards for facilities with 10 Mg/yr or more of benzene in waste:	Y	
61.342(d)(1)	non-process wastewater shall be treated in accordance with 61.342(c)(1)	Y	
61.342(d)(2)	for process wastewater:	Y	
61.342(d)(2)(i)	treat process wastewater such that benzene content is reduced to a total of less than 1 Mg/yr	Y	
61.342(d)(2)(ii)	each wastewater stream that is treated in accordance with 61.342(d)(2)(i), shall be treated in accordance with 61.342(c)(1)	Y	
61.342(e)	alternative to 61.342(c) and 61.342(d) standards for facilities with 10 Mg/yr or more of benzene in waste:	Y	
61.342(e)(1)	waste with a flow-weighted annual average water content of less than 10% shall be treated in accordance with 61.342(c)(1)	Y	
61.342(e)(2)	for waste with a flow-weighted annual average water content of 10% or more by volume:	Y	
61.342(e)(2)(i)	waste shall not contain more than 6.0 Mg/yr benzene	Y	
61.342(f)	offsite treatment option	Y	
61.343	Standards: Tanks	Y	
61.343(a)(1)	Owner/operator shall install, operate, and maintain a fixed-roof and closed-vent system that routes all organic vapors vented from the tank to a control device.	Y	
61.343(a)(1)(i)	Fixed Roof leak requirements - < 500 ppmv above background, determined initially then annually by method in 61.355(h) of this subpart.	Y	
61.343(a)(1)(ii)	Closed-vent system and control device designed and operated in accordance with 61.349 of this subpart	Y	
61.343(b)	For a tank that meets all of the conditions of paragraph (b)(1), the owner/operator may elect to comply with paragraph (b)(2) as an alternative to the requirements of (a)(1).	Y	
61.343(b)(1)	The waste managed in the tank complying with (b)(2) shall meet all of the following conditions: wastestream managed in the tank must have a flow-weighted annual average water content less than or equal to 10% water, on a volume basis and the waste managed in the tank either: has a maximum organic vapor pressure less than 0.75 psi, or has a maximum organic vapor pressure less than 4.0 psi and is managed in a tank less than 40,000 gallons, or has a maximum organic vapor pressure	Y	

Table IV – AX
Source-specific Applicable Requirements
S1421–AMMONIA RECOVERY UNIT FEED TANK, TANK 757

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	less than 11.1 psi and is managed in a tank having a design capacity less than 20,000 gallons.		
61.343(b)(2)	Owner/operator shall install, operate, and maintain a fixed roof as specified in paragraph (a)(1)(i).	Y	
61.343(b)(3)	may use devices that vent directly to atmosphere provided the devices are closed, sealed during normal operations except when the device needs to open to prevent damage or deformation of the tank or cover.	Y	
61.343(c)	Inspect all fixed-roof, seal, access doors, and all other openings visually initially and quarterly for cracks and gaps and that doors and openings are closed and gasketed properly.	Y	
61.343(d)	When a broken seal or gasket is identified, or when detectable emissions are measured, first efforts at repair shall be made as soon as practicable, but not later than 45 calendar days after identification.	Y	
61.348	Standards: Treatment processes	Y	
61.351	Alternative standards for tanks.	Y	
61.354	Monitoring of operations	Y	
61.354(a)(ii)	process parameters shall be continuously monitored and recorded and inspected at least once per operating day to verify proper operation	Y	
61.355	Test methods, procedures and compliance provisions	Y	
61.355(b)(1)	quantification of annual waste quantity at sour water strippers (including ammonia stills at coke by-product plants) shall be made at the water effluent from the still	Y	
61.355(c)(1)(i)(A)	quantification of flow-weighted annual average benzene concentration (including ammonia stills at coke by-product plants) shall be made at the water effluent from the still	Y	
61.356	Recordkeeping requirements	Y	
61.356(a)	recordkeeping and retention requirements	Y	
61.356(b)	waste stream records	Y	
61.357	Reporting requirements	Y	
61.357(c)	reporting requirements for facilities with less than 10 Mg/yr total benzene in waste	Y	
61.357(d)	reporting requirements for facilities with 10 Mg/yr or more total benzene in waste	Y	
63.640(a)	applies to petroleum refining process units and to related emission points	Y	
63.640(c)(3)	wastewater streams and treatment operations associated with petroleum refining process units meeting the criteria of section 63.640(a)	Y	

Table IV – AX
Source-specific Applicable Requirements
S1421–AMMONIA RECOVERY UNIT FEED TANK, TANK 757

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.640(d)(1)	exclusion for stormwater from segregated stormwater sewers	Y	
63.640(l)(3)	owner/operator of a petroleum refining wastewater stream shall comply with the recordkeeping and reporting requirements including the reports of (l)(3)(i) through (l)(3)(vii) of this section	Y	
63.640(o)	Overlap of this subpart CC with other regulations for wastewater.	Y	
63.640(o)(1)	After the compliance dates specified in (h), a Group 1 wastewater stream managed in a piece of equipment that is also subject to the provisions of 40 CFR part 60, subpart 111 is required to comply only with this subpart.	Y	
63.640(o)(2)	After the compliance dates specified in (h), a Group 1 or Group 2 wastewater stream that is conveyed, stored, or treated in a wastewater stream wastewater unit that also received streams subject to the provisions of 63.133 and 63.147 of subpart G wastewater provisions of this part shall comply as specified in (o)(2)(i) or (o)(2)(ii) of this section.	Y	
63.640(o)(2)(i)	comply with (o)(2)(i)(A) through (o)(2)(i)(C) of this section	Y	
63.640(o)(2)(i)(A)	in accordance with 63.133 through 63.140 of subpart G for all equipment used in the storage and conveyance of the Group 1 or Group 2 wastewater stream	Y	
63.640(o)(2)(i)(B)	in accordance with 40 CFR part 61, subpart FF and in 63.138 and 63.139 of subpart G for the treatment and control of the Group 1 or Group 2 wastewater stream	Y	
63.640(o)(2)(i)(C)	in accordance with 63.143 through 63.148 of subpart G for monitoring and inspections of equipment and for recordkeeping and reporting requirements.	Y	
63.640(o)(2)(ii)	comply with (o)(2)(ii)(A) and (o)(2)(ii)(B)	Y	
63.640(o)(2)(ii)(A)	in accordance with 63.133 through 63.148 and 63.151 and 63.152 of subpart G	Y	
63.640(o)(2)(ii)	For any Group 2 wastewater stream whose benzene emissions are subject to control through the use of one or more treatment processes or waste management units under 40 CFR part 61, subpart FF on or after 12/31/92, comply with the requirements of 63.133 through 63.147 of subpart G for Group 1 wastewater streams	Y	
63.640(p)	Overlap of subpart CC with other regulations for equipment leaks. After the compliance dates of (h) equipment leaks that are also subject to the provisions of 40 CFR parts 60 and 61 are required to comply only with the provisions of this subpart	Y	

Table IV – AX
Source-specific Applicable Requirements
S1421–AMMONIA RECOVERY UNIT FEED TANK, TANK 757

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.640(q)	For overlap of subpart CC with local or State regulations, the permitting authority for the affected source may allow consolidation of the monitoring, recordkeeping, and reporting requirements under this subpart.	Y	
63.641	Definitions: (arranged alphabetically) Group 1 wastewater stream, Group 2 wastewater stream, miscellaneous process vents (specifically does not include emissions from wastewater collection and conveyance systems), wastewater	Y	
63.642	General Standards		
63.642(a)	apply for a part 70 or part 71 operating permit	Y	
63.642(c)	Table 6 of this subpart specifies the subpart A provisions that apply.	Y	
63.642(d)	initial performance tests and compliance determinations shall be required only as specified in this subpart	Y	
63.642(e)	keep copies of all applicable reports and records for at least 5 years, except as otherwise specified in this subpart.	Y	
63.642(f)	all reports required by this subpart shall be sent to the Administrator	Y	
63.642(g)	existing source owners/operators shall control emissions of organic HAPs to the level represented by the equation in this paragraph	Y	
63.642(h)	new source owner/operators shall control emissions of organic HAPs to the level represented by the equation in paragraph (g) of this section.	Y	
63.642(i)	existing source owners/operators shall demonstrate compliance with (g) by following procedures in (k) for all emission points, or by following emission averaging compliance approach in (l) for specified emission points and the procedures in (k) for all other emission points within the source.	Y	
63.642(j)	new source owner/operators shall demonstrate compliance with (h) by following procedures in (k). they may not use emission averaging compliance approach	Y	
63.642(k)	existing source owners/operators may comply, and new sources owners/operators shall comply with the wastewater provisions in 63.647 and comply with 63.654 and is exempt from (g)	Y	
63.642(l)	emission averaging compliance approach	Y	
63.642(m)	States may restrict existing source owners/operators to only use the method in (k) to comply without allowance to use the emission averaging compliance approach	Y	
63.647	Wastewater provisions	Y	
63.647(a)	Owners/operators of Group 1 wastewater streams shall comply with	Y	

Table IV – AX
Source-specific Applicable Requirements
S1421–AMMONIA RECOVERY UNIT FEED TANK, TANK 757

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	sections 61.340 to 61.355 of 40 CFR part 61, subpart FF for each stream that meets the definition of 63.641.		
63.647(c)	Owners/operators required under subpart FF of 40 CFR part 61 to perform periodic measurement of benzene concentration in wastewater, or to monitor process or control device operating parameters shall operate consistently with the permitted concentration or operating parameter values.	Y	
63.648	Equipment Leak Standards	Y	
63.648(a)	Existing source owners/operators subject to this subpart shall comply with the provisions of 40 CFR part 60 subpart VV and paragraph (b) of this section except as provided in paragraphs (a)(1), (a)(2), and (c) through (i) of this section. New source owners/operators shall comply with subpart H of this part except as provided in paragraphs (c) through (i) of this section.	Y	
63.648(b)	Monitoring data generated before 8/18/95 to qualify for less frequent monitoring of valves and pumps as provided in 40 CFR part 60 subpart VV or subpart H of this part and paragraph (c) of this section is governed by paragraphs (b)(1) and (b)(2) of this section.	Y	
63.648(c)	In lieu of complying with the existing source provisions of paragraph (a) an owner/operator may elect to comply with certain requirements of subpart H of this part except as provided in paragraphs (c)(1) through (c)(10) and (e) through (i) of this section.	Y	
63.648(d)	Upon startup of new sources, the owner/operator shall comply with section 63.163(a)(1)(ii) of subpart H of this part for light liquid pumps and 63.168(a)(1)(ii) of subpart H for gas/vapor and light liquid valves.	Y	
63.648(e)	For reciprocating pumps in heavy liquid service and agitator in heavy liquid service and agitators in heavy liquid service, owners/operators are not required to comply with the requirements in section 63.169 of subpart H of this part.	Y	
63.648(f)	Reciprocating pumps in light liquid service are exempt from section 63.163 and 60.482 if recasting the distance piece or reciprocating pump replacement is required.	Y	
63.648(h)	Owner/operators of sources subject to this subpart must maintain all records for a minimum of 5 years.	Y	
63.649	Alternative means of emission limitation: Connectors in gas/vapor service and light liquid service.	Y	
63.649(a)	In accordance with 63.648(c)(2)(ii), owner/operator shall implement one of the connector monitoring programs specified in this section.	Y	

Table IV – AX
Source-specific Applicable Requirements
S1421–AMMONIA RECOVERY UNIT FEED TANK, TANK 757

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.652	Emissions averaging provisions.	Y	
63.652(a)	Can be used to comply with the emission standard in 63.642(g)	Y	
63.652(c)	Group 2 emission points and Group 1 wastewater streams are included in the list of emission points that may be used to generate emission averaging credits.	Y	
63.652(d)(4)	Wastewater that is not process wastewater or wastewater streams treated in biological treatment units cannot be used to generate credits or debits.	Y	
63.652(e) and (f) and (g) and (h) and (i) and (j) and (k) and	Calculation and demonstration of credits (including an equation).	Y	
63.654	Reporting and recordkeeping requirements	Y	
63.654(a)	Owner/operators subject to the wastewater provisions of 63.647 shall comply with the recordkeeping and reporting requirements in 61.356 and 61.357 of 40 CFR part 61, subpart FF, unless they comply with those specified in paragraph (o)(2)(ii) of 63.640. Recordkeeping and reporting for wastewater streams included in emission averages are specified in 63.653 and in paragraphs (f)(5) and (g)(8) of this section.	Y	
63.654(d)	Owner/operators subject to the equipment leaks standards in 63.648 shall comply with the recordkeeping and reporting provisions of paragraphs (d)(1) through (d)(6) of this section.	Y	
Appendix to Subpart CC to Part 63	**Tables**	**Y**	
Table 1	Hazardous Air Pollutants	Y	
Table 2	Leak Definitions for Pumps and Valves	Y	
Table 3	Equipment Leak Recordkeeping and Reporting Requirements for Sources Complying with Section 63.648 of Subpart CC by Compliance with Subpart H of this Part	Y	
Table 6	General Provisions Applicability to Subpart CC	Y	
Table 7	Fraction Measured (Fm), Fraction Emitted (Fc), and Fraction Removed (Fr) for HAP Compounds in Wastewater Streams	Y	
Table 8	Valve Monitoring Frequency for Phase III	Y	
Table 9	Valve Monitoring Frequency for Alternative	Y	

Table IV – AX
Source-specific Applicable Requirements
S1421–AMMONIA RECOVERY UNIT FEED TANK, TANK 757

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Condition # 13282			
Part 1	Throughput Limit non-exempt materials (basis: cumulative increase, offsets)	Y	
Part 2	Requirements for storage of hydrocarbon other than diesel or gasoline RVP 7 (basis: cumulative increase, toxics)	Y	
Part 3	Tank fitting and seal requirements (basis: cumulative increase, BACT, offsets)	Y	
~~Part 4~~	~~Prohibition against public nuisance/odors~~	~~Y~~	
Part 5	Record keeping ((basis: cumulative increase, toxics, Regulation 8-5, offsets)	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 – AY
Source-specific Applicable Requirements
S1421–AMMONIA RECOVERY UNIT FEED TANK

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	
NESHAP 40 CFR 61 Subpart A	**National Emission Standards for Hazardous Air Pollutants - General Provisions (3/16/95)**	**Y**	
61.01	Lists of pollutants and applicability of part 61	Y	

Table IV – AY
Source-specific Applicable Requirements
S1421–AMMONIA RECOVERY UNIT FEED TANK

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
61.04	Address	Y	
61.05	Prohibited activities	Y	
61.07	Application for approval of construction or modification	Y	
61.09	Notification of startup	Y	
61.10	Source reporting and waiver request	Y	
61.12	Compliance with standards and maintenance requirements	Y	
61.13	Emission tests and waiver of emission tests	Y	
61.14	Monitoring requirements	Y	
61.19	Circumvention	Y	
NESHAP 40 CFR 61 Subpart FF	**National Emission Standard for Benzene Waste Operations (3/7/90)**	**Y**	
61.342	Standards: General	Y	
61.342(a)	exemption for facilities with less than 10 Mg/yr of benzene in waste from 61.342(b) and 61.342(c)	Y	
61.342(b)	facilities with 10 Mg/yr or more of benzene in waste shall comply with 61.342(c) through 61.342(h)	Y	
61.342(c)	for facilities with 10 Mg/yr or more of benzene in waste:	Y	
61.342(c)(1)	benzene-containing streams shall be treated in accordance with 61.342(c)(1)(i), 61.342(c)(1)(ii) and 61.342(c)(1)(iii), UNLESS it is demonstrated that weighted average benzene concentration is less than 10 ppmw [61.342(c)(2)], OR the stream contains process wastewater with a flowrate less than 0.02 l/min or an annual throughput of less than 10 Mg/yr [61.342(c)(3)(i)], OR the low-flow exemption in 61.342(c)(3)(i) is not used, no more than 2.0 Mg/yr of total benzene throughput is exempted from treatment,	Y	

Table IV – AY
Source-specific Applicable Requirements
S1421–AMMONIA RECOVERY UNIT FEED TANK

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	and the benzene throughput in each exempted stream is quantified each year [61.342(c)(3)(ii)]		
61.342(c)(1)(i)	remove or destroy benzene in process or wastewater streams in accordance with 61.348	Y	
61.342(c)(1)(ii)	comply with 61.343 through 61.347 for treatment units operated in accordance with 61.342(c)(1)(i)	Y	
61.342(c)(1)(iii)	recycled wastes that have been returned to a process are no longer subject to 61.342(c)	Y	
61.342(d)	alternative to 61.342(c) standards for facilities with 10 Mg/yr or more of benzene in waste:	Y	
61.342(d)(1)	non-process wastewater shall be treated in accordance with 61.342(c)(1)	Y	
61.342(d)(2)	for process wastewater:	Y	
61.342(d)(2)(i)	treat process wastewater such that benzene content is reduced to a total of less than 1 Mg/yr	Y	
61.342(d)(2)(ii)	each wastewater stream that is treated in accordance with 61.342(d)(2)(i), shall be treated in accordance with 61.342(c)(1)	Y	
61.342(e)	alternative to 61.342(c) and 61.342(d) standards for facilities with 10 Mg/yr or more of benzene in waste:	Y	
61.342(e)(1)	waste with a flow-weighted annual average water content of less than 10% shall be treated in accordance with 61.342(c)(1)	Y	
61.342(e)(2)	for waste with a flow-weighted annual average water content of 10% or more by volume:	Y	
61.342(e)(2)(i)	waste shall not contain more than 6.0 Mg/yr benzene	Y	
61.342(f)	offsite treatment option	Y	
61.343	Standards: Tanks	Y	

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Source-specific Applicable Requirements
S1421–AMMONIA RECOVERY UNIT FEED TANK

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
61.343(a)(1)	Owner/operator shall install, operate, and maintain a fixed-roof and closed-vent system that routes all organic vapors vented from the tank to a control device.	Y	
61.343(a)(1)(i)	Fixed Roof leak requirements - < 500 ppmv above background, determined initially then annually by method in 61.355(h) of this subpart.	Y	
61.343(a)(1)(ii)	Closed-vent system and control device designed and operated in accordance with 61.349 of this subpart	Y	
61.343(b)	For a tank that meets all of the conditions of paragraph (b)(1), the owner/operator may elect to comply with paragraph (b)(2) as an alternative to the requirements of (a)(1).	Y	
61.343(b)(1)	The waste managed in the tank complying with (b)(2) shall meet all of the following conditions: wastestream managed in the tank must have a flow-weighted annual average water content less than or equal to 10% water, on a volume basis and the waste managed in the tank either: has a maximum organic vapor pressure less than 0.75 psi, or has a maximum organic vapor pressure less than 4.0 psi and is managed in a tank less than 40,000 gallons, or has a maximum organic vapor pressure less than 11.1 psi and is managed in a tank having a design capacity less than 20,000 gallons.	Y	
61.343(b)(2)	Owner/operator shall install, operate, and maintain a fixed roof as specified in paragraph (a)(1)(i).	Y	
61.343(b)(3)	may use devices that vent directly to atmosphere provided the devices are closed, sealed during normal operations except when the device needs to open to prevent damage or deformation of the tank or cover.	Y	
61.343(c)	Inspect all fixed-roof, seal, access doors, and all other openings visually initially and quarterly for cracks and gaps and that doors and openings are closed and gasketed properly.	Y	
61.343(d)	When a broken seal or gasket is identified, or when detectable emissions are measured, first efforts at repair shall be made as soon as practicable, but not later than 45 calendar days after identification.	Y	
61.348	Standards: Treatment processes	Y	
61.351	Alternative standards for tanks.	Y	
61.354	Monitoring of operations	Y	
61.354(a)(ii)	process parameters shall be continuously monitored and recorded	Y	

Table IV – AY
Source-specific Applicable Requirements
S1421–AMMONIA RECOVERY UNIT FEED TANK

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	and inspected at least once per operating day to verify proper operation		
61.355	Test methods, procedures and compliance provisions	Y	
61.355(b)(1)	quantification of annual waste quantity at sour water strippers (including ammonia stills at coke by-product plants) shall be made at the water effluent from the still	Y	
61.355(c)(1)(i)(A)	quantification of flow-weighted annual average benzene concentration (including ammonia stills at coke by-product plants) shall be made at the water effluent from the still	Y	
61.356	Recordkeeping requirements	Y	
61.356(a)	recordkeeping and retention requirements	Y	
61.356(b)	waste stream records	Y	
61.357	Reporting requirements	Y	
61.357(c)	reporting requirements for facilities with less than 10 Mg/yr total benzene in waste	Y	
61.357(d)	reporting requirements for facilities with 10 Mg/yr or more total benzene in waste	Y	
NESHAP 40 CFR 63 Subpart A	**National Emission Standards for Hazardous Air Pollutants for Source Categories (Note: For details see Table IV-N below)**	Y	
MACT 40 CFR 63 Subpart CC	**National Emissions Standards for Hazardous Air Pollutants from Petroleum Refineries (8/18/95)**	**Y**	
63.640(a)	applies to petroleum refining process units and to related emission points	Y	
63.640(c)(3)	wastewater streams and treatment operations associated with petroleum refining process units meeting the criteria of section 63.640(a)	Y	
63.640(d)(1)	exclusion for stormwater from segregated stormwater sewers	Y	
63.640(l)(3)	owner/operator of a petroleum refining wastewater stream shall comply with the recordkeeping and reporting requirements including the reports of (l)(3)(i) through (l)(3)(vii) of this section	Y	

Table IV – AY
Source-specific Applicable Requirements
S1421–AMMONIA RECOVERY UNIT FEED TANK

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.640(o)	Overlap of this subpart CC with other regulations for wastewater.	Y	
63.640(o)(1)	After the compliance dates specified in (h), a Group 1 wastewater stream managed in a piece of equipment that is also subject to the provisions of 40 CFR part 60, subpart 111 is required to comply only with this subpart.	Y	
63.640(o)(2)	After the compliance dates specified in (h), a Group 1 or Group 2 wastewater stream that is conveyed, stored, or treated in a wastewater stream wastewater unit that also received streams subject to the provisions of 63.133 and 63.147 of subpart G wastewater provisions of this part shall comply as specified in (o)(2)(i) or (o)(2)(ii) of this section.	Y	
63.640(o)(2)(i)	comply with (o)(2)(i)(A) through (o)(2)(i)(C) of this section	Y	
63.640(o)(2)(i)(A)	in accordance with 63.133 through 63.140 of subpart G for all equipment used in the storage and conveyance of the Group 1 or Group 2 wastewater stream	Y	
63.640(o)(2)(i)(B)	in accordance with 40 CFR part 61, subpart FF and in 63.138 and 63.139 of subpart G for the treatment and control of the Group 1 or Group 2 wastewater stream	Y	
63.640(o)(2)(i)(C)	in accordance with 63.143 through 63.148 of subpart G for monitoring and inspections of equipment and for recordkeeping and reporting requirements.	Y	
63.640(o)(2(ii)	comply with (o)(2)(ii)(A) and (o)(2)(ii)(B)	Y	
63.640(o)(2)(ii)(A)	in accordance with 63.133 through 63.148 and 63.151 and 63.152 of subpart G	Y	
63.640(o)(2)(ii)	For any Group 2 wastewater stream whose benzene emissions are subject to control through the use of one or more treatment processes or waste management units under 40 CFR part 61, subpart FF on or after 12/31/92, comply with the requirements of 63.133 through 63.147 of subpart G for Group 1 wastewater streams	Y	
63.640(p)	Overlap of subpart CC with other regulations for equipment leaks. After the compliance dates of (h) equipment leaks that are also subject to the provisions of 40 CFR parts 60 and 61 are required to comply only with the provisions of this subpart	Y	
63.640(q)	For overlap of subpart CC with local or State regulations, the permitting authority for the affected source may allow consolidation	Y	

Table IV – AY
Source-specific Applicable Requirements
S1421–AMMONIA RECOVERY UNIT FEED TANK

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	of the monitoring, recordkeeping, and reporting requirements under this subpart.		
63.641	Definitions: (arranged alphabetically) Group 1 wastewater stream, Group 2 wastewater stream, miscellaneous process vents (specifically does not include emissions from wastewater collection and conveyance systems), wastewater	Y	
63.642	General Standards		
63.642(a)	apply for a part 70 or part 71 operating permit	Y	
63.642(c)	Table 6 of this subpart specifies the subpart A provisions that apply.	Y	
63.642(d)	initial performance tests and compliance determinations shall be required only as specified in this subpart	Y	
63.642(e)	keep copies of all applicable reports and records for at least 5 years, except as otherwise specified in this subpart.	Y	
63.642(f)	all reports required by this subpart shall be sent to the Administrator	Y	
63.642(g)	existing source owners/operators shall control emissions of organic HAPs to the level represented by the equation in this paragraph	Y	
63.642(h)	new source owner/operators shall control emissions of organic HAPs to the level represented by the equation in paragraph (g) of this section.	Y	
63.642(i)	existing source owners/operators shall demonstrate compliance with (g) by following procedures in (k) for all emission points, or by following emission averaging compliance approach in (l) for specified emission points and the procedures in (k) for all other emission points within the source.	Y	
63.642(j)	new source owner/operators shall demonstrate compliance with (h) by following procedures in (k). they may not use emission averaging compliance approach	Y	
63.642(k)	existing source owners/operators may comply, and new sources owners/operators shall comply with the wastewater provisions in 63.647 and comply with 63.654 and is exempt from (g)	Y	
63.642(l)	emission averaging compliance approach	Y	
63.642(m)	States may restrict existing source owners/operators to only use the method in (k) to comply without allowance to use the emission averaging compliance approach	Y	
63.647	Wastewater provisions	Y	
63.647(a)	Owners/operators of Group 1 wastewater streams shall comply with	Y	

Table IV – AY
Source-specific Applicable Requirements
S1421–AMMONIA RECOVERY UNIT FEED TANK

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	sections 61.340 to 61.355 of 40 CFR part 61, subpart FF for each stream that meets the definition of 63.641.		
63.647(c)	Owners/operators required under subpart FF of 40 CFR part 61 to perform periodic measurement of benzene concentration in wastewater, or to monitor process or control device operating parameters shall operate consistently with the permitted concentration or operating parameter values.	Y	
63.648	Equipment Leak Standards	Y	
63.648(a)	Existing source owners/operators subject to this subpart shall comply with the provisions of 40 CFR part 60 subpart VV and paragraph (b) of this section except as provided in paragraphs (a)(1), (a)(2), and (c) through (i) of this section. New source owners/operators shall comply with subpart H of this part except as provided in paragraphs (c) through (i) of this section.	Y	
63.648(b)	Monitoring data generated before 8/18/95 to qualify for less frequent monitoring of valves and pumps as provided in 40 CFR part 60 subpart VV or subpart H of this part and paragraph (c) of this section is governed by paragraphs (b)(1) and (b)(2) of this section.	Y	
63.648(c)	In lieu of complying with the existing source provisions of paragraph (a) an owner/operator may elect to comply with certain requirements of subpart H of this part except as provided in paragraphs (c)(1) through (c)(10) and (e) through (i) of this section.	Y	
63.648(d)	Upon startup of new sources, the owner/operator shall comply with section 63.163(a)(1)(ii) of subpart H of this part for light liquid pumps and 63.168(a)(1)(ii) of subpart H for gas/vapor and light liquid valves.	Y	
63.648(e)	For reciprocating pumps in heavy liquid service and agitator in heavy liquid service and agitators in heavy liquid service, owners/operators are not required to comply with the requirements in section 63.169 of subpart H of this part.	Y	
63.648(f)	Reciprocating pumps in light liquid service are exempt from section 63.163 and 60.482 if recasting the distance piece or reciprocating pump replacement is required.	Y	
63.648(h)	Owner/operators of sources subject to this subpart must maintain all records for a minimum of 5 years.	Y	
63.649	Alternative means of emission limitation: Connectors in gas/vapor service and light liquid service.	Y	

Table IV – AY
Source-specific Applicable Requirements
S1421–AMMONIA RECOVERY UNIT FEED TANK

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.649(a)	In accordance with 63.648(c)(2)(ii), owner/operator shall implement one of the connector monitoring programs specified in this section.	Y	
63.652	Emissions averaging provisions.	Y	
63.652(a)	Can be used to comply with the emission standard in 63.642(g)	Y	
63.652(c)	Group 2 emission points and Group 1 wastewater streams are included in the list of emission points that may be used to generate emission averaging credits.	Y	
63.652(d)(4)	Wastewater that is not process wastewater or wastewater streams treated in biological treatment units cannot be used to generate credits or debits.	Y	
63.652(e) and (f) and (g) and (h) and (i) and (j) and (k) and	Calculation and demonstration of credits (including an equation).	Y	
63.654	Reporting and recordkeeping requirements	Y	
63.654(a)	Owner/operators subject to the wastewater provisions of 63.647 shall comply with the recordkeeping and reporting requirements in 61.356 and 61.357 of 40 CFR part 61, subpart FF, unless they comply with those specified in paragraph (o)(2)(ii) of 63.640. Recordkeeping and reporting for wastewater streams included in emission averages are specified in 63.653 and in paragraphs (f)(5) and (g)(8) of this section.	Y	
63.654(d)	Owner/operators subject to the equipment leaks standards in 63.648 shall comply with the recordkeeping and reporting provisions of paragraphs (d)(1) through (d)(6) of this section.	Y	
Appendix to Subpart CC to Part 63	**Tables**	**Y**	
Table 1	Hazardous Air Pollutants	Y	
Table 2	Leak Definitions for Pumps and Valves	Y	
Table 3	Equipment Leak Recordkeeping and Reporting Requirements for Sources Complying with Section 63.648 of Subpart CC by Compliance with Subpart H of this Part	Y	
Table 6	General Provisions Applicability to Subpart CC	Y	
Table 7	Fraction Measured (Fm), Fraction Emitted (Fc), and Fraction Removed (Fr) for HAP Compounds in Wastewater Streams	Y	

Table IV – AY
Source-specific Applicable Requirements
S1421–AMMONIA RECOVERY UNIT FEED TANK

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Table 8	Valve Monitoring Frequency for Phase III	Y	
Table 9	Valve Monitoring Frequency for Alternative	Y	
BAAQMD Condition # 13282			
Part 1	Throughput Limit non-exempt materials (basis: cumulative increase, offsets)	Y	
Part 2	Requirements for storage of hydrocarbon other than diesel or gasoline RVP 7 (basis: cumulative increase, toxics)	Y	
Part 3	Tank fitting and seal requirements (basis: cumulative increase, BACT, offsets)	Y	
~~Part 4~~	~~Prohibition against public nuisance/odors~~	~~Y~~	
Part 5	Record keeping (basis: cumulative increase, toxics, Regulation 8-5, offsets)	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 – AZ
Source-specific Applicable Requirements
S1450–SHIP LIGHTERING W/CONTROLS, S1451–BARGE LIGHTERING W/CONTROLS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
District Regulation 8, Rule 46	**Marine Tank Vessel To Marine Tank Vessel Loading**	**Y**	
8-46-301	Marine Tank Vessel to Marine Tank Vessel Loading Limit: emissions shall not exceed 2 pounds per 1000 barrels	Y	
8-46-302	Emission Control Requirement	Y	
8-46-303	Operating Practice: fugitive sources shall be leak free and gas tight	Y	

Table IV – AZ
Source-specific Applicable Requirements
S1450–SHIP LIGHTERING W/CONTROLS, S1451–BARGE LIGHTERING W/CONTROLS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-46-304.1	Equipment Maintenance: requires certification of leak free and gas tight and good working order	Y	
8-46-304.2	Equipment Maintenance: prohibition against loading when leaks are discovered. Prohibition against loading until after leak(s) are repaired	Y	
BAAQMD Condition # 5379			
Part 1	District access to crude carriers (basis: cumulative increase, offsets)	Y	
Part 2	Requirement for recording and disclosing voyage history (basis: cumulative increase, offsets)	Y	
Part 3	Requirements regarding Army Corps of Engineers form 3925 (basis: cumulative increase, offsets)	Y	
Part 4	Verification of each controlled transfer (basis: cumulative increase, offsets)	Y	
Part 5	Emission factors (basis: cumulative increase, offsets)	Y	
Part 6	Maximum pressure limitation (basis: cumulative increase, offsets)	Y	
Part 7	Requirement for continuous pressure recording (basis: cumulative increase, offsets)	Y	
Part 8	Leak testing requirement (basis: cumulative increase, offsets)	Y	
Part 9	Inert gas system requirements (basis: cumulative increase, offsets)	Y	
Part 10	Fugitive emission maitenance (basis: cumulative increase, offsets)	Y	
Part 11	Pressure relief valve testing (basis: cumulative increase, offsets)	Y	
Part 12	Use of controlled or uncontrolled emission factors (basis: cumulative increase, offsets, BACT)	Y	
Part 13	Emission cap reduction requireirements (basis: cumulative increase, offsets)	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 – BA
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
District Regulation 11 Rule 12	**Hazardous Pollutants - National Emission Standards for Benzene Emissions from Benzene Transfer Operations and Benzene Waste Operations (7/18/90, Refer to NESHAP Subpart FF below)**	**Y**	
NESHAP 40 CFR 61 Subpart A	**National Emission Standards for Hazardous Air Pollutants - General Provisions (3/16/95)**	**Y**	
61.01	Lists of pollutants and applicability of part 61	Y	
61.04	Address	Y	
61.05	Prohibited activities	Y	
61.07	Application for approval of construction or modification	Y	
61.09	Notification of startup	Y	
61.10	Source reporting and waiver request	Y	
61.12	Compliance with standards and maintenance requirements	Y	
61.13	Emission tests and waiver of emission tests	Y	
61.14	Monitoring requirements	Y	
61.19	Circumvention	Y	
Appendix to Subpart CC to Part 63	**Tables**	**Y**	
Table 1	Hazardous Air Pollutants	Y	
Table 2	Leak Definitions for Pumps and Valves	Y	
Table 3	Equipment Leak Recordkeeping and Reporting Requirements for Sources Complying with Section 63.648 of Subpart CC by Compliance with Subpart H of this Part	Y	
Table 6	General Provisions Applicability to Subpart CC	Y	
Table 7	Fraction Measured (Fm), Fraction Emitted (Fc), and Fraction Removed (Fr) for HAP Compounds in Wastewater Streams	Y	
Table 8	Valve Monitoring Frequency for Phase III	Y	
Table 9	Valve Monitoring Frequency for Alternative	Y	
BAAQMD Condition # 9875			
Part 1	Inspection Requirements & Leak Limits For Fugitive Components (basis: cumulative increase, offsets, Regulation 8-18, Regulation 8-25)	Y	

Table IV – BA
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 2	Pump Technology Requirements (basis: cumulative increase, offsets, BACT)	Y	
Part 3	Light Liquid Service Valve Technology Requirements (basis: cumulative increase, offsets, BACT)	Y	
Part 4	Heavy Liquid Service Valve Technology Requirements (basis: cumulative increase, offsets, BACT)	Y	
Part 5	Final Fugitive Component Count Requirement (basis: cumulative increase, offsets)	Y	
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	

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Table IV – BC Cluster 01a
Source-specific Applicable Requirements
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**		
Refinery MACT	**NESHAP for Petroleum Refineries** **REQUIREMENTS FOR TANKS ALSO SUBJECT TO NSPS Kb**		
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**		
NSPS Subpart Kb	**Volatile Organic Liquid Storage Vessels** **REQUIREMENTS FOR RECORDKEEPING ONLY**		

Table IV – BC Cluster 01a
Source-specific Applicable Requirements
S658 – Tank A-847

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
60.116b(a)	**Applicability records:** Time period for keeping records of applicability determination, unless specified otherwise.	60.116b(a) **Keep for 2 years**		
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**		
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**		
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**		
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**		
60.116b(f)	**Special requirements for tanks storing waste mixtures:**	60.116b(f) **TVP determination every 6 months if: TVP < control cutoff & TVP > monitoring cutoff ***		
60.116b(g)	**Periodic Reports:** Miscellaneous reporting exemptions:	60.116b(g) **reporting of TVP exceedances is not required if tank is routed to a compliant control device**		
	Applicability determination: Miscellaneous recordkeeping exemptions:	60.116b(g) **keeping record of TVP is not required if tank is routed to a compliant control device**		
NSPS Subpart A	**New Source Performance Standards GENERAL PROVISIONS**			
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**		

Table IV – BC Cluster 01a
Source-specific Applicable Requirements
S658 – Tank A-847

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**		
60.7(f)	**General recordkeeping requirements:** Time period for keeping records, unless specified otherwise.	60.7(f) **Keep all reports & notifications for 2 years**		
	General recordkeeping requirements: Keep all reports and notification for the specified period of time.	60.7(f) **required**		
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	

Table IV – BD 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

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Reg 8 Rule 5	**Exempt**			
Refinery MACT	**NESHAP for Petroleum Refineries** **REQUIREMENTS FOR TANKS ALSO SUBJECT TO NSPS Kb**			
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**		
NSPS Subpart Kb	**Volatile Organic Liquid Storage Vessels** **REQUIREMENTS FOR RECORDKEEPING ONLY**			
60.116b(a)	**Applicability records:** Time period for keeping records of applicability determination, unless specified otherwise.	60.116b(a) **Keep for 2 years**		
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**		
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**		
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**		
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**		
60.116b(f)	**Special requirements for tanks storing waste mixtures:**	60.116b(f) **TVP determination every 6 months if:** **TVP < control cutoff** **&** **TVP > monitoring cutoff ***		

Table IV – BD 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

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
60.116b(g)	**Periodic Reports:** Miscellaneous reporting exemptions:	60.116b(g) **reporting of TVP exceedances is not required if tank is routed to a compliant control device**		
	Applicability determination: Miscellaneous recordkeeping exemptions:	60.116b(g) **keeping record of TVP is not required if tank is routed to a compliant control device**		
NSPS Subpart A	**New Source Performance Standards** **GENERAL PROVISIONS**			
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**		
	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**		
60.7(f)	**General recordkeeping requirements:** Time period for keeping records, unless specified otherwise.	60.7(f) **Keep all reports & notifications for 2 years**		
	General recordkeeping requirements: Keep all reports and notification for the specified period of time.	60.7(f) **required**		

Table IV – BE 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**			
Refinery MACT	**NESHAP for Petroleum Refineries** **REQUIREMENTS FOR TANKS ALSO SUBJECT TO NSPS Kb**			
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**		
NSPS Subpart Kb	**Volatile Organic Liquid Storage Vessels** **REQUIREMENTS FOR RECORDKEEPING ONLY**			
60.116b(a)	**Applicability records:** Time period for keeping records of applicability determination, unless specified otherwise.	60.116b(a) **Keep for 2 years**		
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**		
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**		
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**		
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**		
60.116b(f)	**Special requirements for tanks storing waste mixtures:**	60.116b(f) **TVP determination every 6 months if:** **TVP < control cutoff** **&** **TVP > monitoring cutoff** *		
60.116b(g)	**Periodic Reports:** Miscellaneous reporting exemptions:	60.116b(g) **reporting of TVP exceedances is not required if tank is routed to a compliant control device**		

Table IV – BE 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
	Applicability determination: Miscellaneous recordkeeping exemptions:	60.116b(g) **keeping record of TVP is not required if tank is routed to a compliant control device**		
NSPS Subpart A	**New Source Performance Standards GENERAL PROVISIONS**			
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**		
	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**		
60.7(f)	**General recordkeeping requirements:** Time period for keeping records, unless specified otherwise.	60.7(f) **Keep all reports & notifications for 2 years**		
	General recordkeeping requirements: Keep all reports and notification for the specified period of time.	60.7(f) **required**		
NESHAP 40 CFR 61 Subpart FF	**National Emission Standard for Benzene Waste Operations (3/7/90)**		**Y**	
61.342	Standards: General		Y	
61.342(a)	exemption for facilities with less than 10 Mg/yr of benzene in waste from 61.342(b) and 61.342(c)		Y	
61.342(b)	facilities with 10 Mg/yr or more o f benzene in waste shall comply with 61.342(c) through 61.342(h)		Y	
61.342(c)	for facilities with 10 Mg/yr or more of benzene in waste:		Y	
61.342(c)(1)	benzene-containing streams shall be treated in accordance with 61.342(c)(1)(i), 61.342(c)(1)(ii) and 61.342(c)(1)(iii), UNLESS it is demonstrated that weighted average benzene concentration is less than 10 ppmw [61.342(c)(2)], OR the stream contains process wastewater with a flowrate less than 0.02 l/min or an annual throughput of less than 10 Mg/yr [61.342(c)(3)(i)], OR the low-flow exemption in 61.342(c)(3)(i) is not used, no more than 2.0 Mg/yr of total benzene throughput is exempted from treatment, and the		Y	

Table IV – BE 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
	benzene throughput in each exempted stream is quantified each year [61.342(c)(3)(ii)]		
61.342(c)(1)(i)	remove or destroy benzene in process or wastewater streams in accordance with 61.348	Y	
61.342(c)(1)(ii)	comply with 61.343 through 61.347 for treatment units operated in accordance with 61.342(c)(1)(i)	Y	
61.342(c)(1)(iii)	recycled wastes that have been returned to a process are no longer subject to 61.342(c)	Y	
61.342(d)	alternative to 61.342(c) standards for facilities with 10 Mg/yr or more of benzene in waste:	Y	
61.342(d)(1)	non-process wastewater shall be treated in accordance with 61.342(c)(1)	Y	
61.342(d)(2)	for process wastewater:	Y	
61.342(d)(2)(i)	treat process wastewater such that benzene content is reduced to a total of less than 1 Mg/yr	Y	
61.342(d)(2)(ii)	each wastewater stream that is treated in accordance with 61.342(d)(2)(i), shall be treated in accordance with 61.342(c)(1)	Y	
61.342(e)	alternative to 61.342(c) and 61.342(d) standards for facilities with 10 Mg/yr or more of benzene in waste:	Y	
61.342(e)(1)	waste with a flow-weighted annual average water content of less than 10% shall be treated in accordance with 61.342(c)(1)	Y	
61.342(e)(2)	for waste with a flow-weighted annual average water content of 10% or more by volume:	Y	
61.342(e)(2)(i)	waste shall not contain more than 6.0 Mg/yr benzene	Y	
61.342(f)	offsite treatment option	Y	
61.343	Standards: Tanks	Y	
61.343(a)(1)	Owner/operator shall install, operate, and maintain a fixed-roof and closed-vent system that routes all organic vapors vented from the tank to a control device.	Y	
61.343(a)(1)(i)	Fixed Roof leak requirements - < 500 ppmv above background, determined initially then annually by method in 61.355(h) of this subpart.	Y	
61.343(a)(1)(ii)	Closed-vent system and control device designed and operated in accordance with 61.349 of this subpart	Y	

Table IV – BE 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
61.343(b)	For a tank that meets all of the conditions of paragraph (b)(1), the owner/operator may elect to comply with paragraph (b)(2) as an alternative to the requirements of (a)(1).	Y	
61.343(b)(1)	The waste managed in the tank complying with (b)(2) shall meet all of the following conditions: wastestream managed in the tank must have a flow-weighted annual average water content less than or equal to 10% water, on a volume basis and the waste managed in the tank either: has a maximum organic vapor pressure less than 0.75 psi, or has a maximum organic vapor pressure less than 4.0 psi and is managed in a tank less than 40,000 gallons, or has a maximum organic vapor pressure less than 11.1 psi and is managed in a tank having a design capacity less than 20,000 gallons.	Y	
61.343(b)(2)	Owner/operator shall install, operate, and maintain a fixed roof as specified in paragraph (a)(1)(i).	Y	
61.343(b)(3)	may use devices that vent directly to atmosphere provided the devices are closed, sealed during normal operations except when the device needs to open to prevent damage or deformation of the tank or cover.	Y	
61.343(c)	Inspect all fixed-roof, seal, access doors, and all other openings visually initially and quarterly for cracks and gaps and that doors and openings are closed and gasketed properly.	Y	
61.343(d)	When a broken seal or gasket is identified, or when detectable emissions are measured, first efforts at repair shall be made as soon as practicable, but not later than 45 calendar days after identification.	Y	
61.348	Standards: Treatment processes	Y	
61.351	Alternative standards for tanks.	Y	
61.354	Monitoring of operations	Y	
61.354(a)(ii)	process parameters shall be continuously monitored and recorded and inspected at least once per operating day to verify proper operation	Y	
61.355	Test methods, procedures and compliance provisions	Y	
61.355(b)(1)	quantification of annual waste quantity at sour water strippers (including ammonia stills at coke by-product plants) shall be made at the water effluent from the still	Y	
61.355(c)(1)(i)(A)	quantification of flow-weighted annual average benzene concentration (including ammonia stills at coke by-product plants) shall be made at the water effluent from the still	Y	
61.356	Recordkeeping requirements	Y	
61.356(a)	recordkeeping and retention requirements	Y	

Table IV – BE 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
61.356(b)	waste stream records	Y	
61.357	Reporting requirements	Y	
61.357(c)	reporting requirements for facilities with less than 10 Mg/yr total benzene in waste	Y	
61.357(d)	reporting requirements for facilities with 10 Mg/yr or more total benzene in waste	Y	

Table IV – BF Cluster 01b
Source-specific Applicable Requirements
S1 – Tank A-001

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Reg 8 Rule 5	**Exempt**			
Refinery MACT	**NESHAP for Petroleum Refineries** **REQUIREMENTS FOR RECORDKEEPING ONLY**			
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**		
	General recordkeeping requirements: Keep all reports and notification for the specified period of time.	63.642(e) & 63.654(i)(4) **required**		
63.646(h)	**Initial Notification:** Is initial notification of the source's existence required?	63.646(h) Table 6 Ref. 63.9 (b)(2) **Not required**		
63.646(i)	**Implementation Plan**	63.646(i) & 63.652(b) **Not required***		
63.654(f)	**Notification of Compliance Status report:**	63.654(f) **later of next Periodic Report after compliance or January 15, 1999 ***		
	Report determination of applicability for other individual tanks (i.e., for MACT rules, whether Group1 or Group2)?	63.654(f)(1)(i)(A) **within initial Notification of Compliance Status; Jan. 15, 1999**		
63.654(h)	Report applicability for varying-use tanks?	63.654(h)(6)(ii) **w/the initial NOC Status report**		
	Other (initial) Reports: Report applicability for varying-use tanks?	63.654(h)(6)(ii) **required with the initial Notification of Compliance Status report**		
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**		
	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 ***		

Table IV – BF Cluster 01b
Source-specific Applicable Requirements
S1 – Tank A-001

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**		
BAAQMD Condition # 980	**Permit Conditions**			

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

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Reg 8 Rule 5	**Exempt**			
Refinery MACT	**NESHAP for Petroleum Refineries** **REQUIREMENTS FOR RECORDKEEPING ONLY**			
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**		
	General recordkeeping requirements: Keep all reports and notification for the specified period of time.	63.642(e) & 63.654(i)(4) **required**		
63.646(h)	**Initial Notification:** Is initial notification of the source's existence required?	63.646(h) Table 6 Ref. 63.9 (b)(2) **Not required**		
63.646(i)	**Implementation Plan**	63.646(i) & 63.652(b) **Not required***		
63.654(f)	**Notification of Compliance Status report:**	63.654(f) **later of next Periodic Report after compliance or January 15, 1999 ***		
	Report determination of applicability for other individual tanks (i.e., for MACT rules, whether Group1 or Group2)?	63.654(f)(1)(i)(A) **within initial Notification of Compliance Status; Jan. 15, 1999**		
63.654(h)	Report applicability for varying-use tanks?	63.654(h)(6)(ii) **w/the initial NOC Status report**		
	Other (initial) Reports: Report applicability for varying-use tanks?	63.654(h)(6)(ii) **required with the initial Notification of Compliance Status report**		
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**		
	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 ***		

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

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**		
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	

Table IV – BH 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**			
Refinery MACT	**NESHAP for Petroleum Refineries** **REQUIREMENTS FOR RECORDKEEPING ONLY**			
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**		
	General recordkeeping requirements: Keep all reports and notification for the specified period of time.	63.642(e) & 63.654(i)(4) **required**		
63.646(h)	**Initial Notification:** Is initial notification of the source's existence required?	63.646(h) Table 6 Ref. 63.9 (b)(2) **Not required**		
63.646(i)	**Implementation Plan**	63.646(i) & 63.652(b) **Not required***		
63.654(f)	**Notification of Compliance Status report:**	63.654(f) **later of next Periodic Report after compliance or January 15, 1999 ***		
	Report determination of applicability for other individual tanks (i.e., for MACT rules, whether Group1 or Group2)?	63.654(f)(1)(i)(A) **within initial Notification of Compliance Status; Jan. 15, 1999**		
63.654(h)	Report applicability for varying-use tanks?	63.654(h)(6)(ii) **w/the initial NOC Status report**		
	Other (initial) Reports: Report applicability for varying-use tanks?	63.654(h)(6)(ii) **required with the initial Notification of Compliance Status report**		
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**		
	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 ***		

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

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	Applicability records: 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**		
BAAQMD Condition # 13725	**Permit Conditions**			

Table IV – BI Cluster 01b
Source-specific Applicable Requirements
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, S548 – Tank A-548, 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**			
Refinery MACT	**NESHAP for Petroleum Refineries** **REQUIREMENTS FOR RECORDKEEPING ONLY**			
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**		
	General recordkeeping requirements: Keep all reports and notification for the specified period of time.	63.642(e) & 63.654(i)(4) **required**		
63.646(h)	**Initial Notification:** Is initial notification of the source's existence required?	63.646(h) Table 6 Ref. 63.9 (b)(2) **Not required**		
63.646(i)	**Implementation Plan**	63.646(i) & 63.652(b) **Not required***		
63.654(f)	**Notification of Compliance Status report:**	63.654(f) **later of next Periodic Report after compliance or January 15, 1999 ***		

Table IV – BI Cluster 01b
Source-specific Applicable Requirements
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, S548 – Tank A-548, 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
	Report determination of applicability for other individual tanks (i.e., for MACT rules, whether Group1 or Group2)?	63.654(f)(1)(i)(A) **withinitial Notification of Compliance Status; Jan. 15, 1999**		
63.654(h)	Report applicability for varying-use tanks?	63.654(h)(6)(ii) **w/the initial NOC Status report**		
	Other (initial) Reports: Report applicability for varying-use tanks?	63.654(h)(6)(ii) **required with the initial Notification of Compliance Status report**		
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**		
	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** *		

Table IV – BI Cluster 01b
Source-specific Applicable Requirements
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, S548 – Tank A-548, 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**		

Table IV – BJ 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**			
Refinery MACT	**NESHAP for Petroleum Refineries** **REQUIREMENTS FOR RECORDKEEPING ONLY**			
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**		
	General recordkeeping requirements: Keep all reports and notification for the specified period of time.	63.642(e) & 63.654(i)(4) **required**		
63.646(h)	**Initial Notification:** Is initial notification of the source's existence required?	63.646(h) Table 6 Ref. 63.9 (b)(2) **Not required**		
63.646(i)	**Implementation Plan**	63.646(i) & 63.652(b) **Not required***		
63.654(f)	**Notification of Compliance Status report:**	63.654(f) **later of next Periodic Report after compliance or January 15, 1999 ***		
	Report determination of applicability for other individual tanks (i.e., for MACT rules, whether Group1 or Group2)?	63.654(f)(1)(i)(A) **within initial Notification of Compliance Status; Jan. 15, 1999**		
63.654(h)	Report applicability for varying-use tanks?	63.654(h)(6)(ii) **w/the initial NOC Status report**		
	Other (initial) Reports: Report applicability for varying-use tanks?	63.654(h)(6)(ii) **required with the initial Notification of Compliance Status report**		
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**		
	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 ***		

Table IV – BJ 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**		

Table IV – BK 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**			
Refinery MACT	**NESHAP for Petroleum Refineries** **REQUIREMENTS FOR RECORDKEEPING ONLY**			
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**		
	General recordkeeping requirements: Keep all reports and notification for the specified period of time.	63.642(e) & 63.654(i)(4) **required**		
63.646(h)	**Initial Notification:** Is initial notification of the source's existence required?	63.646(h) Table 6 Ref. 63.9 (b)(2) **Not required**		
63.646(i)	**Implementation Plan**	63.646(i) & 63.652(b) **Not required***		
63.654(f)	**Notification of Compliance Status report:**	63.654(f) **later of next Periodic Report after compliance or January 15, 1999 ***		
	Report determination of applicability for other individual tanks (i.e., for MACT rules, whether Group1 or Group2)?	63.654(f)(1)(i)(A) **within initial Notification of Compliance Status; Jan. 15, 1999**		
63.654(h)	Report applicability for varying-use tanks?	63.654(h)(6)(ii) **w/the initial NOC Status report**		
	Other (initial) Reports: Report applicability for varying-use tanks?	63.654(h)(6)(ii) **required with the initial Notification of Compliance Status report**		
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**		
	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 ***		

Table IV – BK 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**		
BAAQMD Condition # 8548	**Permit Conditions**			

Table IV – BL 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, S60 – Tank A-060, S61 – Tank A-061, S62 – Tank A-062, S63 – Tank A-063, S64 – Tank A-064, S65 – Tank A-065, S66 – Tank A-066, S67 – Tank A-067, S68 – Tank A-068, S69 – Tank A-069, S76 – Tank A-076, S77 – Tank A-077, S78 – Tank A-078, S79 – Tank A-079, S80 – Tank A-080, S81 – Tank A-081, S131 – Tank A-131, S139 – Tank A-139, S152 – Tank A-152, S153 – Tank A-153, S210 – Tank A-210, S211 – Tank A-211, S212 – Tank A-212, S213 – Tank A-213, S281 – Tank A-281, S282 – Tank A-282, S283 – Tank A-283, S284 – Tank A-284, S285 – Tank A-285, S286 – Tank A-286, S287 – Tank A-287, S288 – Tank A-288, S289 – Tank A-289, S290 – Tank A-290, S291 – Tank A-291, S292 – Tank A-292, S293 – Tank A-293, S295 – Tank A-295, S296 – Tank A-296, S345 – Tank A-345, S434 – Tank A-434, S448 – Tank A-448, S452 – Tank A-452, S462 – Tank A-462, S463 – Tank A-463, S464 – Tank A-464, S465 – Tank A-465, S493 – Tank A-493, S504 – Tank A-504, S527 – Tank A-527, S531 – Tank A-531, S532 – Tank A-532, S643 – Tank A-643, S662 – Tank A-662, S663 – Tank A-663, S741 – Tank, S5 (12759) – Tank B-005, S6 (12759) – Tank B-006, S47 (12759) – Tank B-047, S48 (12759) – Tank B-048,

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Reg 8 Rule 5	**Exempt**			
Refinery MACT	**NESHAP for Petroleum Refineries** **REQUIREMENTS FOR RECORDKEEPING ONLY**			
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**		
	General recordkeeping requirements: Keep all reports and notification for the specified period of time.	63.642(e) & 63.654(i)(4) **required**		
63.646(h)	**Initial Notification:** Is initial notification of the source's existence required?	63.646(h) Table 6 Ref. 63.9 (b)(2) **Not required**		
63.646(i)	**Implementation Plan**	63.646(i) & 63.652(b) **Not required***		

Table IV – BL 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, S60 – Tank A-060, S61 – Tank A-061, S62 – Tank A-062, S63 – Tank A-063, S64 – Tank A-064, S65 – Tank A-065, S66 – Tank A-066, S67 – Tank A-067, S68 – Tank A-068, S69 – Tank A-069, S76 – Tank A-076, S77 – Tank A-077, S78 – Tank A-078, S79 – Tank A-079, S80 – Tank A-080, S81 – Tank A-081, S131 – Tank A-131, S139 – Tank A-139, S152 – Tank A-152, S153 – Tank A-153, S210 – Tank A-210, S211 – Tank A-211, S212 – Tank A-212, S213 – Tank A-213, S281 – Tank A-281, S282 – Tank A-282, S283 – Tank A-283, S284 – Tank A-284, S285 – Tank A-285, S286 – Tank A-286, S287 – Tank A-287, S288 – Tank A-288, S289 – Tank A-289, S290 – Tank A-290, S291 – Tank A-291, S292 – Tank A-292, S293 – Tank A-293, S295 – Tank A-295, S296 – Tank A-296, S345 – Tank A-345, S434 – Tank A-434, S448 – Tank A-448, S452 – Tank A-452, S462 – Tank A-462, S463 – Tank A-463, S464 – Tank A-464, S465 – Tank A-465, S493 – Tank A-493, S504 – Tank A-504, S527 – Tank A-527, S531 – Tank A-531, S532 – Tank A-532, S643 – Tank A-643, S662 – Tank A-662, S663 – Tank A-663, S741 – Tank, S5 (12759) – Tank B-005, S6 (12759) – Tank B-006, S47 (12759) – Tank B-047, S48 (12759) – Tank B-048,

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
63.654(f)	**Notification of Compliance Status report:**	63.654(f) **later of next Periodic Report after compliance or January 15, 1999 ***		
	Report determination of applicability for other individual tanks (i.e., for MACT rules, whether Group1 or Group2)?	63.654(f)(1)(i)(A) **withinitial Notification of Compliance Status; Jan. 15, 1999**		
63.654(h)	Report applicability for varying-use tanks?	63.654(h)(6)(ii) **w/the initial NOC Status report**		
	Other (initial) Reports: Report applicability for varying-use tanks?	63.654(h)(6)(ii) **required with the initial Notification of Compliance Status report**		
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**		

Table IV – BL 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, S60 – Tank A-060, S61 – Tank A-061, S62 – Tank A-062, S63 – Tank A-063, S64 – Tank A-064, S65 – Tank A-065, S66 – Tank A-066, S67 – Tank A-067, S68 – Tank A-068, S69 – Tank A-069, S76 – Tank A-076, S77 – Tank A-077, S78 – Tank A-078, S79 – Tank A-079, S80 – Tank A-080, S81 – Tank A-081, S131 – Tank A-131, S139 – Tank A-139, S152 – Tank A-152, S153 – Tank A-153, S210 – Tank A-210, S211 – Tank A-211, S212 – Tank A-212, S213 – Tank A-213, S281 – Tank A-281, S282 – Tank A-282, S283 – Tank A-283, S284 – Tank A-284, S285 – Tank A-285, S286 – Tank A-286, S287 – Tank A-287, S288 – Tank A-288, S289 – Tank A-289, S290 – Tank A-290, S291 – Tank A-291, S292 – Tank A-292, S293 – Tank A-293, S295 – Tank A-295, S296 – Tank A-296, S345 – Tank A-345, S434 – Tank A-434, S448 – Tank A-448, S452 – Tank A-452, S462 – Tank A-462, S463 – Tank A-463, S464 – Tank A-464, S465 – Tank A-465, S493 – Tank A-493, S504 – Tank A-504, S527 – Tank A-527, S531 – Tank A-531, S532 – Tank A-532, S643 – Tank A-643, S662 – Tank A-662, S663 – Tank A-663, S741 – Tank, S5 (12759) – Tank B-005, S6 (12759) – Tank B-006, S47 (12759) – Tank B-047, S48 (12759) – Tank B-048,

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** *		
	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**		

Table IV – BM 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 REQUIREMENTS FOR SUBMERGED FILL**			
110	Additional category of tanks exempt from 8-5-311 controls.	110.3 **in service < 1/9/76, & capacity < 2,008 gal, & stores gasoline – must have submerged fill**		
301	Capacity 10,000 to 20,000 gal Vapor Pressure: (psia) 0.5 < TVP < 1.5	301 **submerged fill**		
	Capacity 20,000 to 40,000 gal Vapor Pressure: (psia) 0.5 < TVP < 1.5	301 **submerged fill**		
	Capacity < 10,000 gal. Vapor Pressure (non-gasoline): (psia) 0.5 < TVP < 11.1	301 & 110.2 **submerged fill** *		
501	**Applicability records:** Additional recordkeeping requirements for certain tanks.	501 **type of liquid stored & its TVP, for all nonexempt tanks** *		
602	**True vapor pressure (TVP) determination for applicability:**	602 or 604 **based on maximum (instantaneous) tank storage temperature**		
U.S. EPA	**Exempt**			

Table IV – BN 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 REQUIREMENTS FOR FIXED ROOF TANK-CONTROL DEVICE**			
207	**Closed vent system** Performance requirements:	207 **as approved by the APCO (criteria not specified)**		
	Control device (other than flare) Compliance demonstration:	207 **device must be approved in writing by the APCO**		
	Control device (flare) Compliance demonstration:	207 **device must be approved in writing by the APCO**		
	Other (initial) Reports: For control device other-than flare?	207 **(submit request for) approval of proposed collection system & control device**		
	Other (initial) Reports: For a flare?	207 **(submit request for) approval of proposed collection system & control device**		
311	**Control device** Performance requirements:	311.3 **at least 95% efficient**		
404	**Periodic Reports:** Miscellaneous additional info to report:	404.3 **annual certification of tank degassing equipment**		
501	**Applicability records:** Additional recordkeeping requirements for certain tanks.	501 **type of liquid stored & its TVP, for all nonexempt tanks** *		
602	**True vapor pressure (TVP) determination for applicability:**	602 or 604 **based on maximum (instantaneous) tank storage temperature**		
U.S. EPA	**Exempt**			
BAAQMD Condition # 5711	**Permit Conditions**			

Table IV – BO 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 FOR EXTERNAL FLOATING ROOF TANKS**			
111	**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?	111 **Yes, but only allowed for stock change, tank cleaning, or repairs, & requires written notice**		
	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?	111.1 **not required, but 3-day notice is required prior to removing tank from service**		
112	Are EFR rim seals allowed to be pulled back or temporarily removed during inspection?	112 **YES **** **7-day time limit**		
	Notification of Inspections: Are notifications of inspections to demonstrate initial compliance required, For EFR seal gap measurements:	112.4 **7-day notice required prior to secondary seal replacement; no other notifications specified pertaining to seals**		
311	**EFR Rim Seals:** vapor-mounted primary seal:	311.1, 321 **Not Allowed**		
	liquid-mounted primary seal:	321.4, 320.1 **OK with rim- mounted secondary**		
	mechanical-shoe primary seal:	321.3, 320.1 **OK with rim- mounted secondary** *		
320	EFR deck openings other than for vents to project into liquid?	320.2.1, 4.1 & 5.1 **REQUIRED**		
	EFR vents to be gasketed?	320.2.2 **REQUIRED**		
	Deck openings (wells) other than for vents, drains, or legs to have covers that are kept closed except for access?	320.2.2 & 4.2 **maximum gap = 1/8 in. (& drains not exempt)**		
	EFR well covers to be gasketed?	320.2.2 & 4.2 **REQUIRED**		

Table IV – BO 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
	EFR rim space vents to remain closed except when the pressure setting is exceeded?	320.3 **REQUIRED** *		
	EFR auto. bleeder vent (vacuum breaker) to be closed except when the deck is landed?	320.3 **REQUIRED** *		
	EFR guidepole wells to have a deck cover gasket and a pole wiper?	320.5.2 **REQUIRED** *		
	EFRT slotted guidepoles to have either an internal float or a pole sleeve?	320.5.2 **REQUIRED** *		
	EFR emergency roof drains to have seals covering at least 90% of the opening?	320.6 **REQUIRED**		
321	DETERMINATION OF EFR RIM-SEAL GAP AREAS: Sum the gap areas & divide by the diameter of the tank?	321 & 322 **different procedure, limiting the % of circumference over which the gap can be exceeded**		
	UNSAFE CONDITIONS: Delay of EFR seal gap measurements allowed for unsafe conditions? If unable to make safe to measure, must the EFRT be emptied?	321 & 322 **not addressed** 321 & 322 **not addressed**		
	Shall there be no holes, tears, or openings in the EFR seals?	321.1 & 322.1 **YES**		
	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?	321.3 **YES**		
	EFR Primary Seal Gap Inspection Criteria: maximum area: maximum gap width:	321.3 & 321.4 * **0.5 - 2.5 in.** *		
322	**EFR Secondary Seal Gap Inspection Criteria:** maximum area: maximum gap width:	322 **≤ 5% with gap > 0.02 in.*** **0.06 in.**		

Table IV – BO 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
328	Temporary exemption from operating requirements while the external floating roof is landed on its support legs? *	328 & 329 **exempt per 111, but 328 & 329 impose restrictions on tank cleaning & on activities commenced on excess ozone days**		
401	**Seal Gap Measurements:** FREQUENCY AFTER INITIAL COMPLIANCE, For the EFR Primary Seal:	401 **every 5 years** *		
402	**Seal Gap Measurements:** FREQUENCY AFTER INITIAL COMPLIANCE, For the EFR Secondary Seal:	402 **annually** *		
	EFR Internal Inspections: up-close visual inspection of the floating roof, seals, & fittings:	402 **at the same schedule as the secondary seal**		
404	**Seal Gap Measurements:** For new EFRTs:	404 **submit certification of seal gap measurements upon installation**		
	Notification of Compliance Status report:	404 **certification to be submitted upon installation for floating-roof rim seals**		
	EFRT report to include:	404 **seal gap measurements**		
	Periodic Reports: Miscellaneous additional info to report:	404.3 **annual certification of tank degassing equipment**		
405	**Periodic Reports:** Report EFR seal gap inspections if there was no out-of-compliance?	405 **REQUIRED** **(at same frequency as the measurements, but does not specify how promptly; but 404.2.1 specifies that interval between certification of annual secondary seal inspections shall not exceed 15 months)**		

Table IV – BO 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
	Periodic Reports: Report EFR seal gap inspections when there is out-of-compliance?	405 **REQUIRED** **(at same frequency as the measurements, but does not specify how promptly; but 404.2.1 specifies that interval between certification of annual secondary seal inspections shall not exceed 15 months)**		
	Periodic Reports: Report of EFR inspection failures to include:	405 **date of inspection, actual seal gap data, & determination of compliance**		
501	**Applicability records:** Additional recordkeeping requirements for certain tanks.	501 **type of liquid stored & its TVP, for all nonexempt tanks** *		
602	**True vapor pressure (TVP) determination for applicability:**	602 or 604 **based on maximum (instantaneous) tank storage temperature**		
Refinery MACT	**NESHAP for Petroleum Refineries** **REQUIREMENTS FOR RECORDKEEPING ONLY**			
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**		
	General recordkeeping requirements: Keep all reports and notification for the specified period of time.	63.642(e) & 63.654(i)(4) **required**		
63.646(h)	**Initial Notification:** Is initial notification of the source's existence required?	63.646(h) Table 6 Ref. 63.9 (b)(2) **Not required**		
63.646(i)	**Implementation Plan:**	63.646(i) & 63.652(b) **Not required***		
63.654(f)	**Notification of Compliance Status report:**	63.654(f) **later of next Periodic Report after compliance or January 15, 1999** *		
	Report determination of applicability for other individual tanks (i.e., for MACT rules, whether Group1 or Group2)?	63.654(f)(1)(i)(A) **within initial Notification of Compliance Status; Jan. 15, 1999**		

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

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
63.654(h)	Report applicability for varying-use tanks?	63.654(h)(6)(ii) **w/the initial NOC Status report**		
	Other (initial) Reports: Report applicability for varying-use tanks?	63.654(h)(6)(ii) **required with the initial Notification of Compliance Status report**		
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**		
	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** *		
	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**		
BAAQMD Condition # 10985	**Permit Conditions**			

Table IV – BP 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 FOR EXTERNAL FLOATING ROOF TANKS**			
111	**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?	111 **Yes, but only allowed for stock change, tank cleaning, or repairs, & requires written notice**		
	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?	111.1 **not required, but 3-day notice is required prior to removing tank from service**		
112	Are EFR rim seals allowed to be pulled back or temporarily removed during inspection?	112 **YES** ** **7-day time limit**		
	Notification of Inspections: Are notifications of inspections to demonstrate initial compliance required, For EFR seal gap measurements:	112.4 **7-day notice required prior to secondary seal replacement; no other notifications specified pertaining to seals**		
311	**EFR Rim Seals:** vapor-mounted primary seal:	311.1, 321 **Not Allowed**		
	liquid-mounted primary seal:	321.4, 320.1 **OK with rim- mounted secondary**		
	mechanical-shoe primary seal:	321.3, 320.1 **OK with rim- mounted secondary** *		
320	EFR deck openings other than for vents to project into liquid?	320.2.1, 4.1 & 5.1 **REQUIRED**		
	EFR vents to be gasketed?	320.2.2 **REQUIRED**		
	Deck openings (wells) other than for vents, drains, or legs to have covers that are kept closed except for access?	320.2.2 & 4.2 **maximum gap = 1/8 in. (& drains not exempt)**		
	EFR well covers to be gasketed?	320.2.2 & 4.2 **REQUIRED**		

Table IV – BP 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
	EFR rim space vents to remain closed except when the pressure setting is exceeded?	320.3 **REQUIRED** *		
	EFR auto. bleeder vent (vacuum breaker) to be closed except when the deck is landed?	320.3 **REQUIRED** *		
	EFR guidepole wells to have a deck cover gasket and a pole wiper?	320.5.2 **REQUIRED** *		
	EFRT slotted guidepoles to have either an internal float or a pole sleeve?	320.5.2 **REQUIRED** *		
	EFR emergency roof drains to have seals covering at least 90% of the opening?	320.6 **REQUIRED**		
321	DETERMINATION OF EFR RIM-SEAL GAP AREAS: Sum the gap areas & divide by the diameter of the tank?	321 & 322 **different procedure, limiting the % of circumference over which the gap can be exceeded**		
	UNSAFE CONDITIONS: Delay of EFR seal gap measurements allowed for unsafe conditions? If unable to make safe to measure, must the EFRT be emptied?	321 & 322 **not addressed** 321 & 322 **not addressed**		
	Shall there be no holes, tears, or openings in the EFR seals?	321.1 & 322.1 **YES**		
	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?	321.3 **YES**		
	EFR Primary Seal Gap Inspection Criteria: maximum area: maximum gap width:	321.3 & 321.4 * **0.5 - 2.5 in.** *		
322	**EFR Secondary Seal Gap Inspection Criteria:** maximum area: maximum gap width:	322 **≤ 5% with gap > 0.02 in.*** **0.06 in.**		

Table IV – BP 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
328	Temporary exemption from operating requirements while the external floating roof is landed on its support legs? *	328 & 329 **exempt per 111, but 328 & 329 impose restrictions on tank cleaning & on activities commenced on excess ozone days**		
401	**Seal Gap Measurements:** FREQUENCY AFTER INITIAL COMPLIANCE, For the EFR Primary Seal:	401 **every 5 years** *		
402	**Seal Gap Measurements:** FREQUENCY AFTER INITIAL COMPLIANCE, For the EFR Secondary Seal:	402 **annually** *		
	EFR Internal Inspections: up-close visual inspection of the floating roof, seals, & fittings:	402 **at the same schedule as the secondary seal**		
404	**Seal Gap Measurements:** For new EFRTs:	404 **submit certification of seal gap measurements upon installation**		
	Notification of Compliance Status report:	404 **certification to be submitted upon installation for floating-roof rim seals**		
	EFRT report to include:	404 **seal gap measurements**		
	Periodic Reports: Miscellaneous additional info to report:	404.3 **annual certification of tank degassing equipment**		
405	**Periodic Reports:** Report EFR seal gap inspections if there was no out-of-compliance?	405 **REQUIRED** **(at same frequency as the measurements, but does not specify how promptly; but 404.2.1 specifies that interval between certification of annual secondary seal inspections shall not exceed 15 months)**		

Table IV – BP 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
	Periodic Reports: Report EFR seal gap inspections when there is out-of-compliance?	405 **REQUIRED** **(at same frequency as the measurements, but does not specify how promptly; but 404.2.1 specifies that interval between certification of annual secondary seal inspections shall not exceed 15 months)**		
	Periodic Reports: Report of EFR inspection failures to include:	405 **date of inspection, actual seal gap data, & determination of compliance**		
501	**Applicability records:** Additional recordkeeping requirements for certain tanks.	501 **type of liquid stored & its TVP, for all nonexempt tanks** *		
602	**True vapor pressure (TVP) determination for applicability:**	602 or 604 **based on maximum (instantaneous) tank storage temperature**		
Refinery MACT	**NESHAP for Petroleum Refineries** **REQUIREMENTS FOR RECORDKEEPING ONLY**			
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**		
	General recordkeeping requirements: Keep all reports and notification for the specified period of time.	63.642(e) & 63.654(i)(4) **required**		
63.646(h)	**Initial Notification:** Is initial notification of the source's existence required?	63.646(h) Table 6 Ref. 63.9 (b)(2) **Not required**		
63.646(i)	**Implementation Plan:**	63.646(i) & 63.652(b) **Not required***		
63.654(f)	**Notification of Compliance Status report:**	63.654(f) **later of next Periodic Report after compliance or January 15, 1999** *		
	Report determination of applicability for other individual tanks (i.e., for MACT rules, whether Group1 or Group2)?	63.654(f)(1)(i)(A) **withinitial Notification of Compliance Status; Jan. 15, 1999**		

Table IV – BP 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
63.654(h)	Report applicability for varying-use tanks?	63.654(h)(6)(ii) **w/the initial NOC Status report**		
	Other (initial) Reports: Report applicability for varying-use tanks?	63.654(h)(6)(ii) **required with the initial Notification of Compliance Status report**		
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**		
	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** *		
	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**		
BAAQMD Condition # 11897	**Permit Conditions**			

Table IV – BR Cluster 12 – Out-Of-Service
Source-specific Applicable Requirements
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 REQUIREMENTS FOR INTERNAL FLOATING ROOF TANKS**			
111	**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?	111 **Yes, but only allowed for stock change, tank cleaning, or repairs, & requires written notice**		
	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?	111.1 **not required, but 3-day notice is required prior to removing tank from service**		
311	**IFR Rim Seals:**			
	vapor-mounted primary seal:	311.2, 320.1 * **OK with rim-mounted secondary**		
	liquid-mounted primary seal:	**OK alone**		
	mechanical-shoe primary seal:	**OK alone**		
320	IFR deck openings other than for vents to project into liquid?	320.2.1, 4.1 & 5.1 **REQUIRED**		
	IFR vents to be gasketed?	320.2.2 **REQUIRED**		
	IFR well covers to be gasketed?	320.2.2 & 4.2 **REQUIRED**		
	Deck openings (wells) other than for vents, drains, or legs to have covers that are kept closed except for access?	320.2.2, 2.3 & 4.2 **maximum gap = 1/8 in. (& drains not exempt) if inaccessible, no gaps are to be visible from the fixed roof manway**		
	IFR rim space vents to remain closed except when the pressure setting is exceeded?	320.3 **REQUIRED** *		
	IFR auto. bleeder vent (vacuum breaker) to be closed except when the deck is landed?	320.3 **REQUIRED** *		

Table IV – BR Cluster 12 – Out-Of-Service
Source-specific Applicable Requirements
S510 – Tank A-510

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	IFR guidepole & column wells allowed a flexible-fabric sleeve seal or a gasketed cover?	320.4.2 **maximum gap = 1/8 in.**		
	IFRT slotted guidepoles to have a deck cover gasket and pole wiper, and either an internal float or a pole sleeve?	320.5.2 **Float/Sleeve** **Not Required**		
321	Are there to be no IFR rim seal gaps that are visible from the tank top?	321 & 322 **if installed after 2/1/93, requires the same gap criteria as for EFRs** *		
	Shall there be no holes, tears, or openings in the IFR seals?	321.1 & 322.1 **YES**		
	Is the metallic shoe of an IFR mechanical-shoe seal required to have its bottom in the liquid and extend at least 24 in. above the liquid?	321.3 **IFR shoe to extend 18 in. above the liquid**		
328	Temporary exemption from operating requirements while the internal floating roof is landed on its support legs? *	328 & 329 **exempt per 111, but 328 & 329 impose restrictions on tank cleaning & on activities commenced on excess ozone days**		
330	Is there to be no liquid on the internal floating roof?	330 **at least 3 viewports required, but no specific prohibition on liquid on the IFR**		
401	**IFR/CFR Internal Inspections:** (up close visual inspection of the floating roof, seals, & fittings):	401 & 402 **every 10 years**		
403	**Tank Top Visual Inspections** (of IFR/CFR from manways and hatches of the fixed roof):	403 **annually**		
404	**Notification of Compliance Status report:**	404 **certification to be submitted upon installation for floating-roof rim seals**		
	IFRT report to include:	404 **seal gap measurements (if applicable)**		
	Periodic Reports: Miscellaneous additional info to report:	404.3 **annual certification of tank degassing equipment**		

Table IV – BR Cluster 12 – Out-Of-Service
Source-specific Applicable Requirements
S510 – Tank A-510

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
405	**Periodic Reports:** Report of IFR/CFR inspection failures to include:	405 **date of inspection, actual seal gap data, & determination of compliance** *		
501	**Applicability records:** Additional recordkeeping requirements for certain tanks.	501 **type of liquid stored & its TVP, for all nonexempt tanks** *		
602	**True vapor pressure (TVP) determination for applicability:**	602 or 604 **based on maximum (instantaneous) tank storage temperature**		
Refinery MACT	**NESHAP for Petroleum Refineries** **REQUIREMENTS FOR RECORDKEEPING ONLY**			
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**		
	General recordkeeping requirements: Keep all reports and notification for the specified period of time.	63.642(e) & 63.654(i)(4) **required**		
63.646(h)	**Initial Notification:** Is initial notification of the source's existence required?	63.646(h) Table 6 Ref. 63.9 (b)(2) **Not required**		
63.646(i)	**Implementation Plan:**	63.646(i) & 63.652(b) **Not required** *		
63.654(f)	**Notification of Compliance Status report:**	63.654(f) **later of next Periodic Report after compliance or January 15, 1999** *		
	Report determination of applicability for other individual tanks (i.e., for MACT rules, whether Group1 or Group2)?	63.654(f)(1)(i)(A) **within initial Notification of Compliance Status; Jan. 15, 1999**		
63.654(h)	Report applicability for varying-use tanks?	63.654(h)(6)(ii) **w/the initial NOC Status report**		
	Other (initial) Reports: Report applicability for varying-use tanks?	63.654(h)(6)(ii) **required with the initial Notification of Compliance Status report**		

Table IV – BR Cluster 12 – Out-Of-Service
Source-specific Applicable Requirements
S510 – Tank A-510

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**		
	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** *		
	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**		

Table IV – BS Cluster 13
Source-specific Applicable Requirements
S691 – Tank A-691

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 FIXED ROOF TANK-CONTROL DEVICE**			
207	**Closed vent system** Performance requirements:	207 **as approved by the APCO (criteria not specified)**		
	Control device (other than flare) Compliance demonstration:	207 **device must be approved in writing by the APCO**		
	Control device (flare) Compliance demonstration:	207 **device must be approved in writing by the APCO**		
	Other (initial) Reports: For control device other-than flare?	207 **(submit request for) approval of proposed collection system & control device**		
	Other (initial) Reports: For a flare?	207 **(submit request for) approval of proposed collection system & control device**		
311	**Control device** Performance requirements:	311.3 **at least 95% efficient**		
404	**Periodic Reports:** Miscellaneous additional info to report:	404.3 **annual certification of tank degassing equipment**		
501	**Applicability records:** Additional recordkeeping requirements for certain tanks.	501 **type of liquid stored & its TVP, for all nonexempt tanks** *		
602	**True vapor pressure (TVP) determination for applicability:**	602 or 604 **based on maximum (instantaneous) tank storage temperature**		
Refinery MACT	**NESHAP for Petroleum Refineries REQUIREMENTS FOR RECORDKEEPING ONLY**			
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**		
	General recordkeeping requirements: Keep all reports and notification for the specified period of time.	63.642(e) & 63.654(i)(4) **required**		

Table IV – BS Cluster 13
Source-specific Applicable Requirements
S691 – Tank A-691

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
63.646(h)	**Initial Notification:** Is initial notification of the source's existence required?	63.646(h) Table 6 Ref. 63.9 (b)(2) **Not required**		
63.646(i)	**Implementation Plan:**	63.646(i) & 63.652(b) **Not required***		
63.654(f)	**Notification of Compliance Status report:**	63.654(f) **later of next Periodic Report after compliance or January 15, 1999** *		
	Report determination of applicability for other individual tanks (i.e., for MACT rules, whether Group1 or Group2)?	63.654(f)(1)(i)(A) **with initial Notification of Compliance Status; Jan. 15, 1999**		
63.654(h)	Report applicability for varying-use tanks?	63.654(h)(6)(ii) **w/the initial NOC Status report**		
	Other (initial) Reports: Report applicability for varying-use tanks?	63.654(h)(6)(ii) **required with the initial Notification of Compliance Status report**		
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**		
	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** *		
	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**		

Table IV – BT 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 FOR EXTERNAL FLOATING ROOF TANKS**			
111	**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?	111 **Yes, but only allowed for stock change, tank cleaning, or repairs, & requires written notice**		
	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?	111.1 **not required, but 3-day notice is required prior to removing tank from service**		
112	Are EFR rim seals allowed to be pulled back or temporarily removed during inspection?	112 **YES** ** **7-day time limit**		
	Notification of Inspections: Are notifications of inspections to demonstrate initial compliance required, For EFR seal gap measurements:	112.4 **7-day notice required prior to secondary seal replacement; no other notifications specified pertaining to seals**		
311	**EFR Rim Seals:** vapor-mounted primary seal:	311.1, 321 **Not Allowed**		
	liquid-mounted primary seal:	321.4, 320.1 **OK with rim- mounted secondary**		
	mechanical-shoe primary seal:	321.3, 320.1 **OK with rim- mounted secondary** *		
320	EFR deck openings other than for vents to project into liquid?	320.2.1, 4.1 & 5.1 **REQUIRED**		
	EFR vents to be gasketed?	320.2.2 **REQUIRED**		
	Deck openings (wells) other than for vents, drains, or legs to have covers that are kept closed except for access?	320.2.2 & 4.2 **maximum gap = 1/8 in. (& drains not exempt)**		
	EFR well covers to be gasketed?	320.2.2 & 4.2 **REQUIRED**		

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

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	EFR rim space vents to remain closed except when the pressure setting is exceeded?	320.3 **REQUIRED** *		
	EFR auto. bleeder vent (vacuum breaker) to be closed except when the deck is landed?	320.3 **REQUIRED** *		
	EFR guidepole wells to have a deck cover gasket and a pole wiper?	320.5.2 **REQUIRED** *		
	EFRT slotted guidepoles to have either an internal float or a pole sleeve?	320.5.2 **REQUIRED** *		
	EFR emergency roof drains to have seals covering at least 90% of the opening?	320.6 **REQUIRED**		
321	DETERMINATION OF EFR RIM-SEAL GAP AREAS: Sum the gap areas & divide by the diameter of the tank?	321 & 322 **different procedure, limiting the % of circumference over which the gap can be exceeded**		
	UNSAFE CONDITIONS: Delay of EFR seal gap measurements allowed for unsafe conditions? If unable to make safe to measure, must the EFRT be emptied?	321 & 322 **not addressed** 321 & 322 **not addressed**		
	Shall there be no holes, tears, or openings in the EFR seals?	321.1 & 322.1 **YES**		
	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?	321.3 **YES**		
	EFR Primary Seal Gap Inspection Criteria: maximum area: maximum gap width:	321.3 & 321.4 * **0.5 - 2.5 in.** *		
322	**EFR Secondary Seal Gap Inspection Criteria:** maximum area: maximum gap width:	322 **≤ 5% with gap > 0.02 in.*** **0.06 in.**		

Table IV – BT 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
328	Temporary exemption from operating requirements while the external floating roof is landed on its support legs? *	328 & 329 **exempt per 111, but 328 & 329 impose restrictions on tank cleaning & on activities commenced on excess ozone days**		
401	**Seal Gap Measurements:** FREQUENCY AFTER INITIAL COMPLIANCE, For the EFR Primary Seal:	401 **every 5 years** *		
402	**Seal Gap Measurements:** FREQUENCY AFTER INITIAL COMPLIANCE, For the EFR Secondary Seal:	402 **annually** *		
	EFR Internal Inspections: up-close visual inspection of the floating roof, seals, & fittings:	402 **at the same schedule as the secondary seal**		
404	**Seal Gap Measurements:** For new EFRTs:	404 **submit certification of seal gap measurements upon installation**		
	Notification of Compliance Status report:	404 **certification to be submitted upon installation for floating-roof rim seals**		
	EFRT report to include:	404 **seal gap measurements**		
	Periodic Reports: Miscellaneous additional info to report:	404.3 **annual certification of tank degassing equipment**		
405	**Periodic Reports:** Report EFR seal gap inspections if there was no out-of-compliance?	405 **REQUIRED** **(at same frequency as the measurements, but does not specify how promptly; but 404.2.1 specifies that interval between certification of annual secondary seal inspections shall not exceed 15 months)**		

Table IV – BT 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
	Periodic Reports: Report EFR seal gap inspections when there is out-of-compliance?	405 **REQUIRED** **(at same frequency as the measurements, but does not specify how promptly; but 404.2.1 specifies that interval between certification of annual secondary seal inspections shall not exceed 15 months)**		
	Periodic Reports: Report of EFR inspection failures to include:	405 **date of inspection, actual seal gap data, & determination of compliance**		
501	**Applicability records:** Additional recordkeeping requirements for certain tanks.	501 **type of liquid stored & its TVP, for all nonexempt tanks** *		
602	**True vapor pressure (TVP) determination for applicability:**	602 or 604 **based on maximum (instantaneous) tank storage temperature**		
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**		
	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**		
	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**		
	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**		
	Does Refinery MACT provide for waiving the NSPS Ka prior-request requirement for extensions of time?	63.640(n)(9)(ii) **YES**		
	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**		

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

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	Does Refinery MACT provide for submitting reports of NSPS Ka inspection failures on the semi-annual periodic report schedule?	63.640(n)(9)(iv) **YES**		
NSPS Subpart Ka	**Petroleum Liquids Storage Vessels** **REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS**			
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**		
	Temporary exemption from operating requirements while the external floating roof is landed on its support legs? *	60.112a(a)(1) **EXEMPT**		
	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**		
	Shall there be no holes, tears, or openings in the EFR seals?	60.112a(a)(1)(i) & (ii) **YES**		
	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.**		
	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**		
	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.**		
	Are EFR rim seals allowed to be pulled back or temporarily removed during inspection?	60.112a(a)(1)(ii)(D) **YES**		

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

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	EFR deck openings other than for vents to project into liquid?	60.112a(a)(1)(iii) **REQUIRED**		
	EFR rim space vents to remain closed except when the pressure setting is exceeded?	60.112a(a)(1)(iii) **REQUIRED**		
	EFR auto. bleeder vent (vacuum breaker) to be closed except when the deck is landed?	60.112a(a)(1)(iii) **REQUIRED**		
	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)		
	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)		
	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)		
	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** *		
	EFR emergency roof drains to have seals covering at least 90% of the opening?	60.112a(a)(1)(iv) **REQUIRED**		
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** *		
	EXTENSIONS OF TIME: If EFRT is unsafe to inspect & cannot be emptied within 45 days?	60.113a(a)(1) **not addressed** *		
	EXTENSIONS OF TIME: If EFRT defects cannot be repaired & the tank cannot be emptied within 45 days?	60.113a(a)(1) **not addressed** *		

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

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

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

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	DETERMINATION OF EFR RIM-SEAL GAP AREAS: Use probes of various widths to determine the gap area?	60.113a(a)(1)(ii)(C) **YES**		
	DETERMINATION OF EFR RIM-SEAL GAP AREAS: Sum the gap areas & divide by the diameter of the tank?	60.113a(a)(1)(iii) **YES**		
	Notification of Inspections: Is 30-day notice required prior to EFR seal gap measurements?	60.113a(a)(1)(iv) **REQUIRED**		
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**		
	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**		
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**		
NSPS Subpart A	**New Source Performance Standards GENERAL PROVISIONS**			
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**		
	Report (document) having initially achieved compliance?	60.7(a)(3) **notif. of startup within 15 days, but no req. to certify compliance**		
	Notification of Compliance Status report:	60.7(a)(3) **notification within 15 days after startup**		
	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**		

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

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
60.7(f)	**General recordkeeping requirements:** Time period for keeping records, unless specified otherwise.	60.7(f) **Keep all reports & notifications for 2 years**		
	General recordkeeping requirements: Keep all reports and notification for the specified period of time.	60.7(f) **required**		
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)**		
BAAQMD Condition # 8517	**Permit Conditions**			

Table IV – BU 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 FOR EXTERNAL FLOATING ROOF TANKS**			
111	**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?	111 **Yes, but only allowed for stock change, tank cleaning, or repairs, & requires written notice**		
		111.1 **not required, but 3-day notice is required prior to removing tank from service**		
112	Are EFR rim seals allowed to be pulled back or temporarily removed during inspection?	112 **YES **** **7-day time limit**		
	Notification of Inspections: Are notifications of inspections to demonstrate initial compliance required, For EFR seal gap measurements:	112.4 **7-day notice required prior to secondary seal replacement; no other notifications specified pertaining to seals**		
311	**EFR Rim Seals:** vapor-mounted primary seal:	311.1, 321 **Not Allowed**		
	liquid-mounted primary seal:	321.4, 320.1 **OK with rim- mounted secondary**		
	mechanical-shoe primary seal:	321.3, 320.1 **OK with rim- mounted secondary** *		
320	EFR deck openings other than for vents to project into liquid?	320.2.1, 4.1 & 5.1 **REQUIRED**		
	EFR vents to be gasketed?	320.2.2 **REQUIRED**		
	Deck openings (wells) other than for vents, drains, or legs to have covers that are kept closed except for access?	320.2.2 & 4.2 **maximum gap = 1/8 in. (& drains not exempt)**		
	EFR well covers to be gasketed?	320.2.2 & 4.2 **REQUIRED**		

Table IV – BU 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 space vents to remain closed except when the pressure setting is exceeded?	320.3 **REQUIRED** *		
	EFR auto. bleeder vent (vacuum breaker) to be closed except when the deck is landed?	320.3 **REQUIRED** *		
	EFR guidepole wells to have a deck cover gasket and a pole wiper?	320.5.2 **REQUIRED** *		
	EFRT slotted guidepoles to have either an internal float or a pole sleeve?	320.5.2 **REQUIRED** *		
	EFR emergency roof drains to have seals covering at least 90% of the opening?	320.6 **REQUIRED**		
321	DETERMINATION OF EFR RIM-SEAL GAP AREAS: Sum the gap areas & divide by the diameter of the tank?	321 & 322 **different procedure, limiting the % of circumference over which the gap can be exceeded**		
	UNSAFE CONDITIONS: Delay of EFR seal gap measurements allowed for unsafe conditions? If unable to make safe to measure, must the EFRT be emptied?	321 & 322 **not addressed** 321 & 322 **not addressed**		
	Shall there be no holes, tears, or openings in the EFR seals?	321.1 & 322.1 **YES**		
	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?	321.3 **YES**		
	EFR Primary Seal Gap Inspection Criteria: maximum area: maximum gap width:	321.3 & 321.4 * **0.5 - 2.5 in.** *		
322	**EFR Secondary Seal Gap Inspection Criteria:** maximum area: maximum gap width:	322 **≤ 5% with gap > 0.02 in.*** **0.06 in.**		

Table IV – BU 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
328	Temporary exemption from operating requirements while the external floating roof is landed on its support legs? *	328 & 329 **exempt per 111, but 328 & 329 impose restrictions on tank cleaning & on activities commenced on excess ozone days**		
401	**Seal Gap Measurements:** FREQUENCY AFTER INITIAL COMPLIANCE, For the EFR Primary Seal:	401 **every 5 years** *		
402	**Seal Gap Measurements:** FREQUENCY AFTER INITIAL COMPLIANCE, For the EFR Secondary Seal:	402 **annually** *		
	EFR Internal Inspections: up-close visual inspection of the floating roof, seals, & fittings:	402 **at the same schedule as the secondary seal**		
404	**Seal Gap Measurements:** For new EFRTs:	404 **submit certification of seal gap measurements upon installation**		
	Notification of Compliance Status report:	404 **certification to be submitted upon installation for floating-roof rim seals**		
	EFRT report to include:	404 **seal gap measurements**		
	Periodic Reports: Miscellaneous additional info to report:	404.3 **annual certification of tank degassing equipment**		
405	**Periodic Reports:** Report EFR seal gap inspections if there was no out-of-compliance?	405 **REQUIRED** **(at same frequency as the measurements, but does not specify how promptly; but 404.2.1 specifies that interval between certification of annual secondary seal inspections shall not exceed 15 months)**		

Table IV – BU 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
	Periodic Reports: Report EFR seal gap inspections when there is out-of-compliance?	405 **REQUIRED** **(at same frequency as the measurements, but does not specify how promptly; but 404.2.1 specifies that interval between certification of annual secondary seal inspections shall not exceed 15 months)**		
	Periodic Reports: Report of EFR inspection failures to include:	405 **date of inspection, actual seal gap data, & determination of compliance**		
501	**Applicability records:** Additional recordkeeping requirements for certain tanks.	501 **type of liquid stored & its TVP, for all nonexempt tanks** *		
602	**True vapor pressure (TVP) determination for applicability:**	602 or 604 **based on maximum (instantaneous) tank storage temperature**		
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**		
	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**		
	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**		
	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**		
	Does Refinery MACT provide for waiving the NSPS Ka prior-request requirement for extensions of time?	63.640(n)(9)(ii) **YES**		
	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**		

Table IV – BU 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
	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**		
NSPS Subpart Ka	**Petroleum Liquids Storage Vessels** **REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS**			
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**		
	Temporary exemption from operating requirements while the external floating roof is landed on its support legs? *	60.112a(a)(1) **EXEMPT**		
	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**		
	Shall there be no holes, tears, or openings in the EFR seals?	60.112a(a)(1)(i) & (ii) **YES**		
	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.**		
	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**		
	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.**		
	Are EFR rim seals allowed to be pulled back or temporarily removed during inspection?	60.112a(a)(1)(ii)(D) **YES**		

Table IV – BU 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 deck openings other than for vents to project into liquid?	60.112a(a)(1)(iii) **REQUIRED**		
	EFR rim space vents to remain closed except when the pressure setting is exceeded?	60.112a(a)(1)(iii) **REQUIRED**		
	EFR auto. bleeder vent (vacuum breaker) to be closed except when the deck is landed?	60.112a(a)(1)(iii) **REQUIRED**		
	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)		
	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)		
	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)		
	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** *		
	EFR emergency roof drains to have seals covering at least 90% of the opening?	60.112a(a)(1)(iv) **REQUIRED**		
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** *		
	EXTENSIONS OF TIME: If EFRT is unsafe to inspect & cannot be emptied within 45 days?	60.113a(a)(1) **not addressed** *		
	EXTENSIONS OF TIME: If EFRT defects cannot be repaired & the tank cannot be emptied within 45 days?	60.113a(a)(1) **not addressed** *		

Table IV – BU 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
	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**		
	Seal Gap Measurements: FREQUENCY AFTER INITIAL COMPLIANCE, For the EFR Primary Seal:	60.113a(a)(1)(i)(A) **every 5 years**		
	Seal Gap Measurements: For new EFRTs:	60.113a(a)(1)(i)(A) &(B) **measure gaps of both seals within 60 days after initial fill**		
	Seal Gap Measurements: FREQUENCY AFTER INITIAL COMPLIANCE, For the EFR Secondary Seal:	60.113a(a)(1)(i)(B) **annually**		
	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**		
	Recordkeeping for inspections: Keep inspection reports as specified.	60.113a(a)(1)(i)(D) **Keep the record on-site for 2 years**		
	Records of EFR inspection reports:	60.113a(a)(1)(i)(D) **all seal gap measurements**		
	Periodic Reports: Report EFR seal gap inspections if there was no out-of-compliance?	60.113a(a)(1)(i)(E) **Not required**		
	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** *		
	Periodic Reports: Report of EFR inspection failures to include:	60.113a(a)(1)(i)(E) **identification of tank, description of failure & required repair actions**		
	MEASUREMENT COND'S: Are EFR seal gap measurements to be made with the roof floating?	60.113a(a)(1)(ii)(A) **YES**		
	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**		

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

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	DETERMINATION OF EFR RIM-SEAL GAP AREAS: Use probes of various widths to determine the gap area?	60.113a(a)(1)(ii)(C) **YES**		
	DETERMINATION OF EFR RIM-SEAL GAP AREAS: Sum the gap areas & divide by the diameter of the tank?	60.113a(a)(1)(iii) **YES**		
	Notification of Inspections: Is 30-day notice required prior to EFR seal gap measurements?	60.113a(a)(1)(iv) **REQUIRED**		
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**		
	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**		
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**		
NSPS Subpart A	**New Source Performance Standards GENERAL PROVISIONS**			
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**		
	Report (document) having initially achieved compliance?	60.7(a)(3) **notif. of startup within 15 days, but no req. to certify compliance**		
	Notification of Compliance Status report:	60.7(a)(3) **notification within 15 days after startup**		
	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**		

Table IV – BU 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
60.7(f)	**General recordkeeping requirements:** Time period for keeping records, unless specified otherwise.	60.7(f) **Keep all reports & notifications for 2 years**		
	General recordkeeping requirements: Keep all reports and notification for the specified period of time.	60.7(f) **required**		
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)**		
BAAQMD Condition # 8636	**Permit Conditions**			

Table IV – BV Cluster 23
Source-specific Applicable Requirements
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 FOR EXTERNAL FLOATING ROOF TANKS**			
111	**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?	111 **Yes, but only allowed for stock change, tank cleaning, or repairs, & requires written notice**		
	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?	111.1 **not required, but 3-day notice is required prior to removing tank from service**		
112	Are EFR rim seals allowed to be pulled back or temporarily removed during inspection?	112 **YES ** 7-day time limit**		
	Notification of Inspections: Are notifications of inspections to demonstrate initial compliance required, For EFR seal gap measurements:	112.4 **7-day notice required prior to secondary seal replacement; no other notifications specified pertaining to seals**		
311	**EFR Rim Seals:** vapor-mounted primary seal:	311.1, 321 **Not Allowed**		
	liquid -mounted primary seal:	321.4, 320.1 **OK with rim- mounted secondary**		
	mechanical-shoe primary seal:	321.3, 320.1 **OK with rim- mounted secondary** *		
320	EFR deck openings other than for vents to project into liquid?	320.2.1, 4.1 & 5.1 **REQUIRED**		
	EFR vents to be gasketed?	320.2.2 **REQUIRED**		
	Deck openings (wells) other than for vents, drains, or legs to have covers that are kept closed except for access?	320.2.2 & 4.2 **maximum gap = 1/8 in. (& drains not exempt)**		

Table IV – BV Cluster 23
Source-specific Applicable Requirements
S705 – Tank A-705

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	EFR well covers to be gasketed?	320.2.2 & 4.2 **REQUIRED**		
	EFR rim space vents to remain closed except when the pressure setting is exceeded?	320.3 **REQUIRED** *		
	EFR auto. bleeder vent (vacuum breaker) to be closed except when the deck is landed?	320.3 **REQUIRED** *		
	EFR guidepole wells to have a deck cover gasket and a pole wiper?	320.5.2 **REQUIRED** *		
	EFRT slotted guidepoles to have either an internal float or a pole sleeve?	320.5.2 **REQUIRED** *		
	EFR emergency roof drains to have seals covering at least 90% of the opening?	320.6 **REQUIRED**		
321	DETERMINATION OF EFR RIM-SEAL GAP AREAS: Sum the gap areas & divide by the diameter of the tank?	321 & 322 **different procedure, limiting the % of circumference over which the gap can be exceeded**		
	UNSAFE CONDITIONS: Delay of EFR seal gap measurements allowed for unsafe conditions? If unable to make safe to measure, must the EFRT be emptied?	321 & 322 **not addressed** 321 & 322 **not addressed**		
	Shall there be no holes, tears, or openings in the EFR seals?	321.1 & 322.1 **YES**		
	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?	321.3 **YES**		
	EFR Primary Seal Gap Inspection Criteria: maximum area: maximum gap width:	321.3 & 321.4 * **0.5 - 2.5 in.** *		
322	**EFR Secondary Seal Gap Inspection Criteria:** maximum area: maximum gap width:	322 **≤ 5% with gap > 0.02 in.*** **0.06 in.**		

Table IV – BV Cluster 23
Source-specific Applicable Requirements
S705 – Tank A-705

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
328	Temporary exemption from operating requirements while the external floating roof is landed on its support legs? *	328 & 329 **exempt per 111, but 328 & 329 impose restrictions on tank cleaning & on activities commenced on excess ozone days**		
401	**Seal Gap Measurements:** FREQUENCY AFTER INITIAL COMPLIANCE, For the EFR Primary Seal:	401 **every 5 years** *		
402	**Seal Gap Measurements:** FREQUENCY AFTER INITIAL COMPLIANCE, For the EFR Secondary Seal:	402 **annually** *		
	EFR Internal Inspections: up-close visual inspection of the floating roof, seals, & fittings:	402 **at the same schedule as the secondary seal**		
404	**Seal Gap Measurements:** For new EFRTs:	404 **submit certification of seal gap measurements upon installation**		
	Notification of Compliance Status report:	404 **certification to be submitted upon installation for floating-roof rim seals**		
	EFRT report to include:	404 **seal gap measurements**		
	Periodic Reports: Miscellaneous additional info to report:	404.3 **annual certification of tank degassing equipment**		
405	**Periodic Reports:** Report EFR seal gap inspections if there was no out-of-compliance?	405 **REQUIRED** **(at same frequency as the measurements, but does not specify how promptly; but 404.2.1 specifies that interval between certification of annual secondary seal inspections shall not exceed 15 months)**		

Table IV – BV Cluster 23
Source-specific Applicable Requirements
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 when there is out-of-compliance?	405 **REQUIRED** **(at same frequency as the measurements, but does not specify how promptly; but 404.2.1 specifies that interval between certification of annual secondary seal inspections shall not exceed 15 months)**		
	Periodic Reports: Report of EFR inspection failures to include:	405 **date of inspection, actual seal gap data, & determination of compliance**		
501	**Applicability records:** Additional recordkeeping requirements for certain tanks.	501 **type of liquid stored & its TVP, for all nonexempt tanks** *		
602	**True vapor pressure (TVP) determination for applicability:**	602 or 604 **based on maximum (instantaneous) tank storage temperature**		
Refinery MACT	**NESHAP for Petroleum Refineries** **REQUIREMENTS FOR TANKS ALSO SUBJECT TO NSPS Kb**			
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**		
	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**		
	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**		
	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**		
	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**		
	Does Refinery MACT provide for waiving the NSPS Kb prior-request requirement for extensions of time?	63.640(n)(8)(iii) **YES**		

Table IV – BV Cluster 23
Source-specific Applicable Requirements
S705 – Tank A-705

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**		
	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**		
	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**		
NSPS Subpart Kb	**Volatile Organic Liquid Storage Vessels** **REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS**			
60.112b(a)	**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**		
	Must vapor-mounted rim seals be continuous on EFRs?	60.112b(a)(2)(i)(B) **YES**		
	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** *		
	EFR well covers to be gasketed?	60.112b(a)(2)(ii) **REQUIRED**		
	EFR vents to be gasketed?	60.112b(a)(2)(ii) **REQUIRED**		
	EFR deck openings other than for vents to project into liquid?	60.112b(a)(2)(ii) **REQUIRED**		
	EFR rim space vents to remain closed except when the pressure setting is exceeded?	60.112b(a)(2)(ii) **REQUIRED**		
	EFR auto. bleeder vent (vacuum breaker) to be closed except when the deck is landed?	60.112b(a)(2)(ii) **REQUIRED**		
	EFR emergency roof drains to have seals covering at least 90% of the opening?	60.112b(a)(2)(ii) **REQUIRED**		

Table IV – BV Cluster 23
Source-specific Applicable Requirements
S705 – Tank A-705

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	EFR guidepole wells to have a deck cover gasket and a pole wiper?	60.112b(a)(2)(ii) **guidepole requirements are specified in FR notices** 65 FR 2336 (01/14/00) 65 FR 19891(04/13/00)		
	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)		
	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)		
	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**		
	Temporary exemption from operating requirements while the external floating roof is landed on its support legs? *	60.112b(a)(2)(iii) **EXEMPT**		
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** *		
	EXTENSIONS OF TIME: If EFRT is unsafe to inspect & cannot be emptied within 45 days?	60.113b(b)(1) **not addressed** *		
	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**		
	Seal Gap Measurements: FREQUENCY AFTER INITIAL COMPLIANCE, For the EFR Primary Seal:	60.113b(b)(1)(i) **every 5 years**		

Table IV – BV Cluster 23
Source-specific Applicable Requirements
S705 – Tank A-705

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

Table IV – BV Cluster 23
Source-specific Applicable Requirements
S705 – Tank A-705

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

Table IV – BV Cluster 23
Source-specific Applicable Requirements
S705 – Tank A-705

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	Notification of Inspections: Is 30-day notice required for internal inspections of EFRTs (i.e., prior to filling or refilling); but a 7-day verbal notice acceptable if the event is unplanned?	60.113b(b)(6)(ii) **REQUIRED**		
60.115b	**Recordkeeping for inspections:** Keep inspection reports as specified.	60.115b **Keep for 2 years**		
60.115b(b)	EFRT report to include:	60.115b(b)(1) **description of control equipment**		
	Periodic Reports: Report EFR seal gap inspections if there was no out-of-compliance?	60.115b(b)(2) **Required within 60 days of inspection** *		
	Records of EFR inspection reports:	60.115b(b)(3) **EFR seal gap measurements**		
	Periodic Reports: Report EFR seal gap inspections when there is out-of-compliance?	60.115b(b)(4) **Required within 30 days of inspection** *		
	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**		
60.116b(a)	**Applicability records:** Time period for keeping records of applicability determination, unless specified otherwise.	60.116b(a) **Keep for 2 years**		
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**		
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**		

Table IV – BV Cluster 23
Source-specific Applicable Requirements
S705 – Tank A-705

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
60.116b(e)	**True vapor pressure (TVP) determination for applicability:**	60.116b(e) **maximum TVP of the stored liquid, based on highest calendar month average storage temperature**		
NSPS Subpart A	**New Source Performance Standards GENERAL PROVISIONS**			
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**		
	Report (document) having initially achieved compliance?	60.7(a)(3) 60.115b(a)(1) & (b)(1) **within 15 days after initial fill**		
	Notification of Compliance Status report:	60.7(a)(3) [cf. 60.115b(a)(1)&(b)(1)] **notification within 15 days after startup**		
	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**		
60.7(f)	**General recordkeeping requirements:** Time period fo r keeping records, unless specified otherwise.	60.7(f) **Keep all reports & notifications for 2 years**		
	General recordkeeping requirements: Keep all reports and notification for the specified period of time.	60.7(f) **required**		
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)**		
BAAQMD Condition # 5000	**Permit Conditions**			

Table IV – BW Cluster 23
Source-specific Applicable Requirements
S33 – Tank A-033, S638 – Tank A-638, S692 – Tank A-692, S708 – Tank A-708

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**			
111	**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?	111 **Yes, but only allowed for stock change, tank cleaning, or repairs, & requires written notice**		
	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?	111.1 **not required, but 3-day notice is required prior to removing tank from service**		
112	Are EFR rim seals allowed to be pulled back or temporarily removed during inspection?	112 **YES** ** **7-day time limit**		
	Notification of Inspections: Are notifications of inspections to demonstrate initial compliance required, For EFR seal gap measurements:	112.4 **7-day notice required prior to secondary seal replacement; no other notifications specified pertaining to seals**		
311	**EFR Rim Seals:** vapor-mounted primary seal:	311.1, 321 **Not Allowed**		
	liquid-mounted primary seal:	321.4, 320.1 **OK with rim- mounted secondary**		
	mechanical-shoe primary seal:	321.3, 320.1 **OK with rim- mounted secondary** *		
320	EFR deck openings other than for vents to project into liquid?	320.2.1, 4.1 & 5.1 **REQUIRED**		
	EFR vents to be gasketed?	320.2.2 **REQUIRED**		
	Deck openings (wells) other than for vents, drains, or legs to have covers that are kept closed except for access?	320.2.2 & 4.2 **maximum gap = 1/8 in. (& drains not exempt)**		
	EFR well covers to be gasketed?	320.2.2 & 4.2 **REQUIRED**		

Table IV – BW Cluster 23
Source-specific Applicable Requirements
S33 – Tank A-033, S638 – Tank A-638, S692 – Tank A-692, S708 – Tank A-708

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	EFR rim space vents to remain closed except when the pressure setting is exceeded?	320.3 **REQUIRED** *		
	EFR auto. bleeder vent (vacuum breaker) to be closed except when the deck is landed?	320.3 **REQUIRED** *		
	EFR guidepole wells to have a deck cover gasket and a pole wiper?	320.5.2 **REQUIRED** *		
	EFRT slotted guidepoles to have either an internal float or a pole sleeve?	320.5.2 **REQUIRED** *		
	EFR emergency roof drains to have seals covering at least 90% of the opening?	320.6 **REQUIRED**		
321	DETERMINATION OF EFR RIM-SEAL GAP AREAS: Sum the gap areas & divide by the diameter of the tank?	321 & 322 **different procedure, limiting the % of circumference over which the gap can be exceeded**		
	UNSAFE CONDITIONS: Delay of EFR seal gap measurements allowed for unsafe conditions? If unable to make safe to measure, must the EFRT be emptied?	321 & 322 **not addressed** 321 & 322 **not addressed**		
	Shall there be no holes, tears, or openings in the EFR seals?	321.1 & 322.1 **YES**		
	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?	321.3 **YES**		
	EFR Primary Seal Gap Inspection Criteria: maximum area: maximum gap width:	321.3 & 321.4 * **0.5 - 2.5 in.** *		
322	**EFR Secondary Seal Gap Inspection Criteria:** maximum area: maximum gap width:	322 **≤ 5% with gap > 0.02 in.*** **0.06 in.**		

Table IV – BW Cluster 23
Source-specific Applicable Requirements
S33 – Tank A-033, S638 – Tank A-638, S692 – Tank A-692, S708 – Tank A-708

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
328	Temporary exemption from operating requirements while the external floating roof is landed on its support legs? *	328 & 329 **exempt per 111, but 328 & 329 impose restrictions on tank cleaning & on activities commenced on excess ozone days**		
401	**Seal Gap Measurements:** FREQUENCY AFTER INITIAL COMPLIANCE, For the EFR Primary Seal:	401 **every 5 years** *		
402	**Seal Gap Measurements:** FREQUENCY AFTER INITIAL COMPLIANCE, For the EFR Secondary Seal:	402 **annually** *		
	EFR Internal Inspections: up-close visual inspection of the floating roof, seals, & fittings:	402 **at the same schedule as the secondary seal**		
404	**Seal Gap Measurements:** For new EFRTs:	404 **submit certification of seal gap measurements upon installation**		
	Notification of Compliance Status report:	404 **certification to be submitted upon installation for floating-roof rim seals**		
	EFRT report to include:	404 **seal gap measurements**		
	Periodic Reports: Miscellaneous additional info to report:	404.3 **annual certification of tank degassing equipment**		
405	**Periodic Reports:** Report EFR seal gap inspections if there was no out-of-compliance?	405 **REQUIRED** **(at same frequency as the measurements, but does not specify how promptly; but 404.2.1 specifies that interval between certification of annual secondary seal inspections shall not exceed 15 months)**		

Table IV – BW Cluster 23
Source-specific Applicable Requirements
S33 – Tank A-033, S638 – Tank A-638, S692 – Tank A-692, S708 – Tank A-708

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	Periodic Reports: Report EFR seal gap inspections when there is out-of-compliance?	405 **REQUIRED** **(at same frequency as the measurements, but does not specify how promptly; but 404.2.1 specifies that interval between certification of annual secondary seal inspections shall not exceed 15 months)**		
	Periodic Reports: Report of EFR inspection failures to include:	405 **date of inspection, actual seal gap data, & determination of compliance**		
501	**Applicability records:** Additional recordkeeping requirements for certain tanks.	501 **type of liquid stored & its TVP, for all nonexempt tanks** *		
602	**True vapor pressure (TVP) determination for applicability:**	602 or 604 **based on maximum (instantaneous) tank storage temperature**		
Refinery MACT	**NESHAP for Petroleum Refineries** **REQUIREMENTS FOR TANKS ALSO SUBJECT TO NSPS Kb**			
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**		
	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**		
	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**		
	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**		
	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**		
	Does Refinery MACT provide for waiving the NSPS Kb prior-request requirement for extensions of time?	63.640(n)(8)(iii) **YES**		

Table IV – BW Cluster 23
Source-specific Applicable Requirements
S33 – Tank A-033, S638 – Tank A-638, S692 – Tank A-692, S708 – Tank A-708

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**		
	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**		
	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**		
NSPS Subpart Kb	**Volatile Organic Liquid Storage Vessels REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS**			
60.112b(a)	**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**		
	Must vapor-mounted rim seals be continuous on EFRs?	60.112b(a)(2)(i)(B) **YES**		
	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** *		
	EFR well covers to be gasketed?	60.112b(a)(2)(ii) **REQUIRED**		
	EFR vents to be gasketed?	60.112b(a)(2)(ii) **REQUIRED**		
	EFR deck openings other than for vents to project into liquid?	60.112b(a)(2)(ii) **REQUIRED**		
	EFR rim space vents to remain closed except when the pressure setting is exceeded?	60.112b(a)(2)(ii) **REQUIRED**		
	EFR auto. bleeder vent (vacuum breaker) to be closed except when the deck is landed?	60.112b(a)(2)(ii) **REQUIRED**		
	EFR emergency roof drains to have seals covering at least 90% of the opening?	60.112b(a)(2)(ii) **REQUIRED**		

Table IV – BW Cluster 23
Source-specific Applicable Requirements
S33 – Tank A-033, S638 – Tank A-638, S692 – Tank A-692, S708 – Tank A-708

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	EFR guidepole wells to have a deck cover gasket and a pole wiper?	60.112b(a)(2)(ii) **guidepole requirements are specified in FR notices** 65 FR 2336 (01/14/00) 65 FR 19891(04/13/00)		
	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)		
	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)		
	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**		
	Temporary exemption from operating requirements while the external floating roof is landed on its support legs? *	60.112b(a)(2)(iii) **EXEMPT**		
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** *		
	EXTENSIONS OF TIME: If EFRT is unsafe to inspect & cannot be emptied within 45 days?	60.113b(b)(1) **not addressed** *		
	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**		
	Seal Gap Measurements: FREQUENCY AFTER INITIAL COMPLIANCE, For the EFR Primary Seal:	60.113b(b)(1)(i) **every 5 years**		

Table IV – BW Cluster 23
Source-specific Applicable Requirements
S33 – Tank A-033, S638 – Tank A-638, S692 – Tank A-692, S708 – Tank A-708

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

Table IV – BW Cluster 23
Source-specific Applicable Requirements
S33 – Tank A-033, S638 – Tank A-638, S692 – Tank A-692, S708 – Tank A-708

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

Table IV – BW Cluster 23
Source-specific Applicable Requirements
S33 – Tank A-033, S638 – Tank A-638, S692 – Tank A-692, S708 – Tank A-708

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	Notification of Inspections: Is 30-day notice required for internal inspections of EFRTs (i.e., prior to filling or refilling); but a 7-day verbal notice acceptable if the event is unplanned?	60.113b(b)(6)(ii) **REQUIRED**		
60.115b	**Recordkeeping for inspections:** Keep inspection reports as specified.	60.115b **Keep for 2 years**		
60.115b(b)	EFRT report to include:	60.115b(b)(1) **description of control equipment**		
	Periodic Reports: Report EFR seal gap inspections if there was no out-of-compliance?	60.115b(b)(2) **Required within 60 days of inspection** *		
	Records of EFR inspection reports:	60.115b(b)(3) **EFR seal gap measurements**		
	Periodic Reports: Report EFR seal gap inspections when there is out-of-compliance?	60.115b(b)(4) **Required within 30 days of inspection** *		
	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**		
60.116b(a)	**Applicability records:** Time period for keeping records of applicability determination, unless specified otherwise.	60.116b(a) **Keep for 2 years**		
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**		
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**		

Table IV – BW Cluster 23
Source-specific Applicable Requirements
S33 – Tank A-033, S638 – Tank A-638, S692 – Tank A-692, S708 – Tank A-708

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
60.116b(e)	**True vapor pressure (TVP) determination for applicability:**	60.116b(e) **maximum TVP of the stored liquid, based on highest calendar month average storage temperature**		
NSPS Subpart A	**New Source Performance Standards** **GENERAL PROVISIONS**			
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**		
	Report (document) having initially achieved compliance?	60.7(a)(3) 60.115b(a)(1) & (b)(1) **within 15 days after initial fill**		
	Notification of Compliance Status report:	60.7(a)(3) [cf. 60.115b(a)(1)&(b)(1)] **notification within 15 days after startup**		
	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**		
60.7(f)	**General recordkeeping requirements:** Time period for keeping records, unless specified otherwise.	60.7(f) **Keep all reports & notifications for 2 years**		
	General recordkeeping requirements: Keep all reports and notification for the specified period of time.	60.7(f) **required**		
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)**		
BAAQMD Condition # 8636	**Permit Conditions**			

Table IV – BX Cluster 23
Source-specific Applicable Requirements
S21 (12759) – Tank B-021, 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 FOR EXTERNAL FLOATING ROOF TANKS**			
111	**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?	111 **Yes, but only allowed for stock change, tank cleaning, or repairs, & requires written notice**		
	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?	111.1 **not required, but 3-day notice is required prior to removing tank from service**		
112	Are EFR rim seals allowed to be pulled back or temporarily removed during inspection?	112 **YES** ** **7-day time limit**		
	Notification of Inspections: Are notifications of inspections to demonstrate initial compliance required, For EFR seal gap measurements:	112.4 **7-day notice required prior to secondary seal replacement; no other notifications specified pertaining to seals**		
311	**EFR Rim Seals:** vapor-mounted primary seal:	311.1, 321 **Not Allowed**		
	liquid-mounted primary seal:	321.4, 320.1 **OK with rim- mounted secondary**		
	mechanical-shoe primary seal:	321.3, 320.1 **OK with rim- mounted secondary** *		
320	EFR deck openings other than for vents to project into liquid?	320.2.1, 4.1 & 5.1 **REQUIRED**		
	EFR vents to be gasketed?	320.2.2 **REQUIRED**		
	Deck openings (wells) other than for vents, drains, or legs to have covers that are kept closed except for access?	320.2.2 & 4.2 **maximum gap = 1/8 in. (& drains not exempt)**		
	EFR well covers to be gasketed?	320.2.2 & 4.2 **REQUIRED**		

Table IV – BX Cluster 23
Source-specific Applicable Requirements
S21 (12759) – Tank B-021, S50 (12759) – Tank B-050

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	EFR rim space vents to remain closed except when the pressure setting is exceeded?	320.3 **REQUIRED** *		
	EFR auto. bleeder vent (vacuum breaker) to be closed except when the deck is landed?	320.3 **REQUIRED** *		
	EFR guidepole wells to have a deck cover gasket and a pole wiper?	320.5.2 **REQUIRED** *		
	EFRT slotted guidepoles to have either an internal float or a pole sleeve?	320.5.2 **REQUIRED** *		
	EFR emergency roof drains to have seals covering at least 90% of the opening?	320.6 **REQUIRED**		
321	DETERMINATION OF EFR RIM-SEAL GAP AREAS: Sum the gap areas & divide by the diameter of the tank?	321 & 322 **different procedure, limiting the % of circumference over which the gap can be exceeded**		
	UNSAFE CONDITIONS: Delay of EFR seal gap measurements allowed for unsafe conditions? If unable to make safe to measure, must the EFRT be emptied?	321 & 322 **not addressed** 321 & 322 **not addressed**		
	Shall there be no holes, tears, or openings in the EFR seals?	321.1 & 322.1 **YES**		
	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?	321.3 **YES**		
	EFR Primary Seal Gap Inspection Criteria: maximum area: maximum gap width:	321.3 & 321.4 * **0.5 - 2.5 in.** *		
322	**EFR Secondary Seal Gap Inspection Criteria:** maximum area: maximum gap width:	322 **≤ 5% with gap > 0.02 in.*** **0.06 in.**		

Table IV – BX Cluster 23
Source-specific Applicable Requirements
S21 (12759) – Tank B-021, S50 (12759) – Tank B-050

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
328	Temporary exemption from operating requirements while the external floating roof is landed on its support legs? *	328 & 329 **exempt per 111, but 328 & 329 impose restrictions on tank cleaning & on activities commenced on excess ozone days**		
401	**Seal Gap Measurements:** FREQUENCY AFTER INITIAL COMPLIANCE, For the EFR Primary Seal:	401 **every 5 years** *		
402	**Seal Gap Measurements:** FREQUENCY AFTER INITIAL COMPLIANCE, For the EFR Secondary Seal:	402 **annually** *		
	EFR Internal Inspections: up-close visual inspection of the floating roof, seals, & fittings:	402 **at the same schedule as the secondary seal**		
404	**Seal Gap Measurements:** For new EFRTs:	404 **submit certification of seal gap measurements upon installation**		
	Notification of Compliance Status report:	404 **certification to be submitted upon installation for floating-roof rim seals**		
	EFRT report to include:	404 **seal gap measurements**		
	Periodic Reports: Miscellaneous additional info to report:	404.3 **annual certification of tank degassing equipment**		
405	**Periodic Reports:** Report EFR seal gap inspections if there was no out-of-compliance?	405 **REQUIRED** **(at same frequency as the measurements, but does not specify how promptly; but 404.2.1 specifies that interval between certification of annual secondary seal inspections shall not exceed 15 months)**		

Table IV – BX Cluster 23
Source-specific Applicable Requirements
S21 (12759) – Tank B-021, S50 (12759) – Tank B-050

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	Periodic Reports: Report EFR seal gap inspections when there is out-of-compliance?	405 **REQUIRED** **(at same frequency as the measurements, but does not specify how promptly; but 404.2.1 specifies that interval between certification of annual secondary seal inspections shall not exceed 15 months)**		
	Periodic Reports: Report of EFR inspection failures to include:	405 **date of inspection, actual seal gap data, & determination of compliance**		
501	**Applicability records:** Additional recordkeeping requirements for certain tanks.	501 **type of liquid stored & its TVP, for all nonexempt tanks** *		
602	**True vapor pressure (TVP) determination for applicability:**	602 or 604 **based on maximum (instantaneous) tank storage temperature**		
Refinery MACT	**NESHAP for Petroleum Refineries** **REQUIREMENTS FOR TANKS ALSO SUBJECT TO NSPS Kb**			
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**		
	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**		
	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**		
	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**		
	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**		
	Does Refinery MACT provide for waiving the NSPS Kb prior-request requirement for extensions of time?	63.640(n)(8)(iii) **YES**		

Table IV – BX Cluster 23
Source-specific Applicable Requirements
S21 (12759) – Tank B-021, S50 (12759) – Tank B-050

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**		
	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**		
	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**		
NSPS Subpart Kb	**Volatile Organic Liquid Storage Vessels** **REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS**			
60.112b(a)	**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**		
	Must vapor-mounted rim seals be continuous on EFRs?	60.112b(a)(2)(i)(B) **YES**		
	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** *		
	EFR well covers to be gasketed?	60.112b(a)(2)(ii) **REQUIRED**		
	EFR vents to be gasketed?	60.112b(a)(2)(ii) **REQUIRED**		
	EFR deck openings other than for vents to project into liquid?	60.112b(a)(2)(ii) **REQUIRED**		
	EFR rim space vents to remain closed except when the pressure setting is exceeded?	60.112b(a)(2)(ii) **REQUIRED**		
	EFR auto. bleeder vent (vacuum breaker) to be closed except when the deck is landed?	60.112b(a)(2)(ii) **REQUIRED**		
	EFR emergency roof drains to have seals covering at least 90% of the opening?	60.112b(a)(2)(ii) **REQUIRED**		

Table IV – BX Cluster 23
Source-specific Applicable Requirements
S21 (12759) – Tank B-021, S50 (12759) – Tank B-050

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	EFR guidepole wells to have a deck cover gasket and a pole wiper?	60.112b(a)(2)(ii) **guidepole requirements are specified in FR notices** 65 FR 2336 (01/14/00) 65 FR 19891(04/13/00)		
	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)		
	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)		
	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**		
	Temporary exemption from operating requirements while the external floating roof is landed on its support legs? *	60.112b(a)(2)(iii) **EXEMPT**		
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** *		
	EXTENSIONS OF TIME: If EFRT is unsafe to inspect & cannot be emptied within 45 days?	60.113b(b)(1) **not addressed** *		
	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**		
	Seal Gap Measurements: FREQUENCY AFTER INITIAL COMPLIANCE, For the EFR Primary Seal:	60.113b(b)(1)(i) **every 5 years**		

Table IV – BX Cluster 23
Source-specific Applicable Requirements
S21 (12759) – Tank B-021, S50 (12759) – Tank B-050

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

Table IV – BX Cluster 23
Source-specific Applicable Requirements
S21 (12759) – Tank B-021, S50 (12759) – Tank B-050

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

Table IV – BX Cluster 23
Source-specific Applicable Requirements
S21 (12759) – Tank B-021, S50 (12759) – Tank B-050

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	Notification of Inspections: Is 30-day notice required for internal inspections of EFRTs (i.e., prior to filling or refilling); but a 7-day verbal notice acceptable if the event is unplanned?	60.113b(b)(6)(ii) **REQUIRED**		
60.115b	**Recordkeeping for inspections:** Keep inspection reports as specified.	60.115b **Keep for 2 years**		
60.115b(b)	EFRT report to include:	60.115b(b)(1) **description of control equipment**		
	Periodic Reports: Report EFR seal gap inspections if there was no out-of-compliance?	60.115b(b)(2) **Required within 60 days of inspection** *		
	Records of EFR inspection reports:	60.115b(b)(3) **EFR seal gap measurements**		
	Periodic Reports: Report EFR seal gap inspections when there is out-of-compliance?	60.115b(b)(4) **Required within 30 days of inspection** *		
	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**		
60.116b(a)	**Applicability records:** Time period for keeping records of applicability determination, unless specified otherwise.	60.116b(a) **Keep for 2 years**		
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**		
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**		

Table IV – BX Cluster 23
Source-specific Applicable Requirements
S21 (12759) – Tank B-021, S50 (12759) – Tank B-050

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
60.116b(e)	**True vapor pressure (TVP) determination for applicability:**	60.116b(e) **maximum TVP of the stored liquid, based on highest calendar month average storage temperature**		
NSPS Subpart A	**New Source Performance Standards** **GENERAL PROVISIONS**			
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**		
	Report (document) having initially achieved compliance?	60.7(a)(3) 60.115b(a)(1) & (b)(1) **within 15 days after initial fill**		
	Notification of Compliance Status report:	60.7(a)(3) [cf. 60.115b(a)(1)&(b)(1)] **notification within 15 days after startup**		
	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**		
60.7(f)	**General recordkeeping requirements:** Time period fo r keeping records, unless specified otherwise.	60.7(f) **Keep all reports & notifications for 2 years**		
	General recordkeeping requirements: Keep all reports and notification for the specified period of time.	60.7(f) **required**		
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)**		
BAAQMD Condition # 10684	**Permit Conditions**			

Table IV – BY Cluster 23
Source-specific Applicable Requirements
S639 – Tank A-639, S664 – Tank A-664

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**			
111	**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?	111 **Yes, but only allowed for stock change, tank cleaning, or repairs, & requires written notice**		
	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?	111.1 **not required, but 3-day notice is required prior to removing tank from service**		
112	Are EFR rim seals allowed to be pulled back or temporarily removed during inspection?	112 **YES **** **7-day time limit**		
	Notification of Inspections: Are notifications of inspections to demonstrate initial compliance required, For EFR seal gap measurements:	112.4 **7-day notice required prior to secondary seal replacement; no other notifications specified pertaining to seals**		
311	**EFR Rim Seals:** vapor-mounted primary seal:	311.1, 321 **Not Allowed**		
	liquid-mounted primary seal:	321.4, 320.1 **OK with rim- mounted secondary**		
	mechanical-shoe primary seal:	321.3, 320.1 **OK with rim- mounted secondary** *		
320	EFR deck openings other than for vents to project into liquid?	320.2.1, 4.1 & 5.1 **REQUIRED**		
	EFR vents to be gasketed?	320.2.2 **REQUIRED**		
	Deck openings (wells) other than for vents, drains, or legs to have covers that are kept closed except for access?	320.2.2 & 4.2 **maximum gap = 1/8 in. (& drains not exempt)**		
	EFR well covers to be gasketed?	320.2.2 & 4.2 **REQUIRED**		

Table IV – BY Cluster 23
Source-specific Applicable Requirements
S639 – Tank A-639, S664 – Tank A-664

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	EFR rim space vents to remain closed except when the pressure setting is exceeded?	320.3 **REQUIRED** *		
	EFR auto. bleeder vent (vacuum breaker) to be closed except when the deck is landed?	320.3 **REQUIRED** *		
	EFR guidepole wells to have a deck cover gasket and a pole wiper?	320.5.2 **REQUIRED** *		
	EFRT slotted guidepoles to have either an internal float or a pole sleeve?	320.5.2 **REQUIRED** *		
	EFR emergency roof drains to have seals covering at least 90% of the opening?	320.6 **REQUIRED**		
321	DETERMINATION OF EFR RIM-SEAL GAP AREAS: Sum the gap areas & divide by the diameter of the tank?	321 & 322 **different procedure, limiting the % of circumference over which the gap can be exceeded**		
	UNSAFE CONDITIONS: Delay of EFR seal gap measurements allowed for unsafe conditions? If unable to make safe to measure, must the EFRT be emptied?	321 & 322 **not addressed** 321 & 322 **not addressed**		
	Shall there be no holes, tears, or openings in the EFR seals?	321.1 & 322.1 **YES**		
	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?	321.3 **YES**		
	EFR Primary Seal Gap Inspection Criteria: maximum area: maximum gap width:	321.3 & 321.4 * **0.5 - 2.5 in.** *		
322	**EFR Secondary Seal Gap Inspection Criteria:** maximum area: maximum gap width:	322 **≤ 5% with gap > 0.02 in.*** **0.06 in.**		

Table IV – BY Cluster 23
Source-specific Applicable Requirements
S639 – Tank A-639, S664 – Tank A-664

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
328	Temporary exemption from operating requirements while the external floating roof is landed on its support legs? *	328 & 329 **exempt per 111, but 328 & 329 impose restrictions on tank cleaning & on activities commenced on excess ozone days**		
401	**Seal Gap Measurements:** FREQUENCY AFTER INITIAL COMPLIANCE, For the EFR Primary Seal:	401 **every 5 years** *		
402	**Seal Gap Measurements:** FREQUENCY AFTER INITIAL COMPLIANCE, For the EFR Secondary Seal:	402 **annually** *		
	EFR Internal Inspections: up-close visual inspection of the floating roof, seals, & fittings:	402 **at the same schedule as the secondary seal**		
404	**Seal Gap Measurements:** For new EFRTs:	404 **submit certification of seal gap measurements upon installation**		
	Notification of Compliance Status report:	404 **certification to be submitted upon installation for floating-roof rim seals**		
	EFRT report to include:	404 **seal gap measurements**		
	Periodic Reports: Miscellaneous additional info to report:	404.3 **annual certification of tank degassing equipment**		
405	**Periodic Reports:** Report EFR seal gap inspections if there was no out-of-compliance?	405 **REQUIRED** **(at same frequency as the measurements, but does not specify how promptly; but 404.2.1 specifies that interval between certification of annual secondary seal inspections shall not exceed 15 months)**		

Table IV – BY Cluster 23
Source-specific Applicable Requirements
S639 – Tank A-639, S664 – Tank A-664

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	Periodic Reports: Report EFR seal gap inspections when there is out-of-compliance?	405 **REQUIRED** **(at same frequency as the measurements, but does not specify how promptly; but 404.2.1 specifies that interval between certification of annual secondary seal inspections shall not exceed 15 months)**		
	Periodic Reports: Report of EFR inspection failures to include:	405 **date of inspection, actual seal gap data, & determination of compliance**		
501	**Applicability records:** Additional recordkeeping requirements for certain tanks.	501 **type of liquid stored & its TVP, for all nonexempt tanks** *		
602	**True vapor pressure (TVP) determination for applicability:**	602 or 604 **based on maximum (instantaneous) tank storage temperature**		
Refinery MACT	**NESHAP for Petroleum Refineries** **REQUIREMENTS FOR TANKS ALSO SUBJECT TO NSPS Kb**			
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**		
	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**		
	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**		
	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**		
	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**		
	Does Refinery MACT provide for waiving the NSPS Kb prior-request requirement for extensions of time?	63.640(n)(8)(iii) **YES**		

Table IV – BY Cluster 23
Source-specific Applicable Requirements
S639 – Tank A-639, S664 – Tank A-664

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**		
	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**		
	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**		
NSPS Subpart Kb	**Volatile Organic Liquid Storage Vessels** **REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS**			
60.112b(a)	**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**		
	Must vapor-mounted rim seals be continuous on EFRs?	60.112b(a)(2)(i)(B) **YES**		
	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** *		
	EFR well covers to be gasketed?	60.112b(a)(2)(ii) **REQUIRED**		
	EFR vents to be gasketed?	60.112b(a)(2)(ii) **REQUIRED**		
	EFR deck openings other than for vents to project into liquid?	60.112b(a)(2)(ii) **REQUIRED**		
	EFR rim space vents to remain closed except when the pressure setting is exceeded?	60.112b(a)(2)(ii) **REQUIRED**		
	EFR auto. bleeder vent (vacuum breaker) to be closed except when the deck is landed?	60.112b(a)(2)(ii) **REQUIRED**		
	EFR emergency roof drains to have seals covering at least 90% of the opening?	60.112b(a)(2)(ii) **REQUIRED**		

Table IV – BY Cluster 23
Source-specific Applicable Requirements
S639 – Tank A-639, S664 – Tank A-664

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	EFR guidepole wells to have a deck cover gasket and a pole wiper?	60.112b(a)(2)(ii) **guidepole requirements are specified in FR notices** 65 FR 2336 (01/14/00) 65 FR 19891(04/13/00)		
	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)		
	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)		
	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**		
	Temporary exemption from operating requirements while the external floating roof is landed on its support legs? *	60.112b(a)(2)(iii) **EXEMPT**		
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** *		
	EXTENSIONS OF TIME: If EFRT is unsafe to inspect & cannot be emptied within 45 days?	60.113b(b)(1) **not addressed** *		
	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**		
	Seal Gap Measurements: FREQUENCY AFTER INITIAL COMPLIANCE, For the EFR Primary Seal:	60.113b(b)(1)(i) **every 5 years**		

Table IV – BY Cluster 23
Source-specific Applicable Requirements
S639 – Tank A-639, S664 – Tank A-664

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

Table IV – BY Cluster 23
Source-specific Applicable Requirements
S639 – Tank A-639, S664 – Tank A-664

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

Table IV – BY Cluster 23
Source-specific Applicable Requirements
S639 – Tank A-639, S664 – Tank A-664

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	Notification of Inspections: Is 30-day notice required for internal inspections of EFRTs (i.e., prior to filling or refilling); but a 7-day verbal notice acceptable if the event is unplanned?	60.113b(b)(6)(ii) **REQUIRED**		
60.115b	**Recordkeeping for inspections:** Keep inspection reports as specified.	60.115b **Keep for 2 years**		
60.115b(b)	EFRT report to include:	60.115b(b)(1) **description of control equipment**		
	Periodic Reports: Report EFR seal gap inspections if there was no out-of-compliance?	60.115b(b)(2) **Required within 60 days of inspection** *		
	Records of EFR inspection reports:	60.115b(b)(3) **EFR seal gap measurements**		
	Periodic Reports: Report EFR seal gap inspections when there is out-of-compliance?	60.115b(b)(4) **Required within 30 days of inspection** *		
	Periodic Reports: Report of EFR inspection failures to include:	60.115b(b)(4) **date of inspection identification of tank, description of failure, & date of repair or emptying**		
60.116b(a)	**Applicability records:** Time period for keeping records of applicability determination, unless specified otherwise.	60.116b(a) **Keep for 2 years**		
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**		
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**		

Table IV – BY Cluster 23
Source-specific Applicable Requirements
S639 – Tank A-639, S664 – Tank A-664

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
60.116b(e)	**True vapor pressure (TVP) determination for applicability:**	60.116b(e) **maximum TVP of the stored liquid, based on highest calendar month average storage temperature**		
NSPS Subpart A	**New Source Performance Standards GENERAL PROVISIONS**			
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**		
	Report (document) having initially achieved compliance?	60.7(a)(3) 60.115b(a)(1) & (b)(1) **within 15 days after initial fill**		
	Notification of Compliance Status report:	60.7(a)(3) [cf. 60.115b(a)(1)&(b)(1)] **notification within 15 days after startup**		
	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**		
60.7(f)	**General recordkeeping requirements:** Time period for keeping records, unless specified otherwise.	60.7(f) **Keep all reports & notifications for 2 years**		
	General recordkeeping requirements: Keep all reports and notification for the specified period of time.	60.7(f) **required**		
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)**		
BAAQMD Condition # 10985	**Permit Conditions**			

Table IV – BZ Cluster 23
Source-specific Applicable Requirements
S1461 – Tank A-866, S1463 – Tank A-867, 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	**Organic Compounds - STORAGE OF ORGANIC LIQUIDS REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS**			
111	**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?	111 **Yes, but only allowed for stock change, tank cleaning, or repairs, & requires written notice**		
	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?	111.1 **not required, but 3-day notice is required prior to removing tank from service**		
112	Are EFR rim seals allowed to be pulled back or temporarily removed during inspection?	112 **YES** ** **7-day time limit**		
	Notification of Inspections: Are notifications of inspections to demonstrate initial compliance required, For EFR seal gap measurements:	112.4 **7-day notice required prior to secondary seal replacement; no other notifications specified pertaining to seals**		
311	**EFR Rim Seals:** vapor-mounted primary seal:	311.1, 321 **Not Allowed**		
	liquid-mounted primary seal:	321.4, 320.1 **OK with rim- mounted secondary**		
	mechanical-shoe primary seal:	321.3, 320.1 **OK with rim- mounted secondary** *		
320	EFR deck openings other than for vents to project into liquid?	320.2.1, 4.1 & 5.1 **REQUIRED**		
	EFR vents to be gasketed?	320.2.2 **REQUIRED**		
	Deck openings (wells) other than for vents, drains, or legs to have covers that are kept closed except for access?	320.2.2 & 4.2 **maximum gap = 1/8 in. (& drains not exempt)**		
	EFR well covers to be gasketed?	320.2.2 & 4.2 **REQUIRED**		

Table IV – BZ Cluster 23
Source-specific Applicable Requirements
S1461 – Tank A-866, S1463 – Tank A-867, S1464 – Tank A-868, S1465 – Tank A-869

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	EFR rim space vents to remain closed except when the pressure setting is exceeded?	320.3 **REQUIRED** *		
	EFR auto. bleeder vent (vacuum breaker) to be closed except when the deck is landed?	320.3 **REQUIRED** *		
	EFR guidepole wells to have a deck cover gasket and a pole wiper?	320.5.2 **REQUIRED** *		
	EFRT slotted guidepoles to have either an internal float or a pole sleeve?	320.5.2 **REQUIRED** *		
	EFR emergency roof drains to have seals covering at least 90% of the opening?	320.6 **REQUIRED**		
321	DETERMINATION OF EFR RIM-SEAL GAP AREAS: Sum the gap areas & divide by the diameter of the tank?	321 & 322 **different procedure, limiting the % of circumference over which the gap can be exceeded**		
	UNSAFE CONDITIONS: Delay of EFR seal gap measurements allowed for unsafe conditions? If unable to make safe to measure, must the EFRT be emptied?	321 & 322 **not addressed** 321 & 322 **not addressed**		
	Shall there be no holes, tears, or openings in the EFR seals?	321.1 & 322.1 **YES**		
	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?	321.3 **YES**		
	EFR Primary Seal Gap Inspection Criteria: maximum area: maximum gap width:	321.3 & 321.4 * **0.5 - 2.5 in.** *		
322	**EFR Secondary Seal Gap Inspection Criteria:** maximum area: maximum gap width:	322 **≤ 5% with gap > 0.02 in.*** **0.06 in.**		

Table IV – BZ Cluster 23
Source-specific Applicable Requirements
S1461 – Tank A-866, S1463 – Tank A-867, S1464 – Tank A-868, S1465 – Tank A-869

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
328	Temporary exemption from operating requirements while the external floating roof is landed on its support legs? *	328 & 329 **exempt per 111, but 328 & 329 impose restrictions on tank cleaning & on activities commenced on excess ozone days**		
401	**Seal Gap Measurements:** FREQUENCY AFTER INITIAL COMPLIANCE, For the EFR Primary Seal:	401 **every 5 years** *		
402	**Seal Gap Measurements:** FREQUENCY AFTER INITIAL COMPLIANCE, For the EFR Secondary Seal:	402 **annually** *		
	EFR Internal Inspections: up-close visual inspection of the floating roof, seals, & fittings:	402 **at the same schedule as the secondary seal**		
404	**Seal Gap Measurements:** For new EFRTs:	404 **submit certification of seal gap measurements upon installation**		
	Notification of Compliance Status report:	404 **certification to be submitted upon installation for floating-roof rim seals**		
	EFRT report to include:	404 **seal gap measurements**		
	Periodic Reports: Miscellaneous additional info to report:	404.3 **annual certification of tank degassing equipment**		
405	**Periodic Reports:** Report EFR seal gap inspections if there was no out-of-compliance?	405 **REQUIRED** **(at same frequency as the measurements, but does not specify how promptly; but 404.2.1 specifies that interval between certification of annual secondary seal inspections shall not exceed 15 months)**		

Table IV – BZ Cluster 23
Source-specific Applicable Requirements
S1461 – Tank A-866, S1463 – Tank A-867, S1464 – Tank A-868, S1465 – Tank A-869

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	Periodic Reports: Report EFR seal gap inspections when there is out-of-compliance?	405 **REQUIRED** **(at same frequency as the measurements, but does not specify how promptly; but 404.2.1 specifies that interval between certification of annual secondary seal inspections shall not exceed 15 months)**		
	Periodic Reports: Report of EFR inspection failures to include:	405 **date of inspection, actual seal gap data, & determination of compliance**		
501	**Applicability records:** Additional recordkeeping requirements for certain tanks.	501 **type of liquid stored & its TVP, for all nonexempt tanks** *		
602	**True vapor pressure (TVP) determination for applicability:**	602 or 604 **based on maximum (instantaneous) tank storage temperature**		
Refinery MACT	**NESHAP for Petroleum Refineries** **REQUIREMENTS FOR TANKS ALSO SUBJECT TO NSPS Kb**			
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**		
	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**		
	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**		
	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**		
	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**		
	Does Refinery MACT provide for waiving the NSPS Kb prior-request requirement for extensions of time?	63.640(n)(8)(iii) **YES**		

Table IV – BZ Cluster 23
Source-specific Applicable Requirements
S1461 – Tank A-866, S1463 – Tank A-867, S1464 – Tank A-868, S1465 – Tank A-869

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**		
	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**		
	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**		
NSPS Subpart Kb	**Volatile Organic Liquid Storage Vessels** **REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS**			
60.112b(a)	**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**		
	Must vapor-mounted rim seals be continuous on EFRs?	60.112b(a)(2)(i)(B) **YES**		
	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** *		
	EFR well covers to be gasketed?	60.112b(a)(2)(ii) **REQUIRED**		
	EFR vents to be gasketed?	60.112b(a)(2)(ii) **REQUIRED**		
	EFR deck openings other than for vents to project into liquid?	60.112b(a)(2)(ii) **REQUIRED**		
	EFR rim space vents to remain closed except when the pressure setting is exceeded?	60.112b(a)(2)(ii) **REQUIRED**		
	EFR auto. bleeder vent (vacuum breaker) to be closed except when the deck is landed?	60.112b(a)(2)(ii) **REQUIRED**		
	EFR emergency roof drains to have seals covering at least 90% of the opening?	60.112b(a)(2)(ii) **REQUIRED**		

Table IV – BZ Cluster 23
Source-specific Applicable Requirements
S1461 – Tank A-866, S1463 – Tank A-867, S1464 – Tank A-868, S1465 – Tank A-869

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	EFR guidepole wells to have a deck cover gasket and a pole wiper?	60.112b(a)(2)(ii) **guidepole requirements are specified in FR notices** 65 FR 2336 (01/14/00) 65 FR 19891(04/13/00)		
	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)		
	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)		
	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**		
	Temporary exemption from operating requirements while the external floating roof is landed on its support legs? *	60.112b(a)(2)(iii) **EXEMPT**		
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** *		
	EXTENSIONS OF TIME: If EFRT is unsafe to inspect & cannot be emptied within 45 days?	60.113b(b)(1) **not addressed** *		
	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**		
	Seal Gap Measurements: FREQUENCY AFTER INITIAL COMPLIANCE, For the EFR Primary Seal:	60.113b(b)(1)(i) **every 5 years**		

Table IV – BZ Cluster 23
Source-specific Applicable Requirements
S1461 – Tank A-866, S1463 – Tank A-867, S1464 – Tank A-868, S1465 – Tank A-869

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

Table IV – BZ Cluster 23
Source-specific Applicable Requirements
S1461 – Tank A-866, S1463 – Tank A-867, S1464 – Tank A-868, S1465 – Tank A-869

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

Table IV – BZ Cluster 23
Source-specific Applicable Requirements
S1461 – Tank A-866, S1463 – Tank A-867, S1464 – Tank A-868, S1465 – Tank A-869

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	Notification of Inspections: Is 30-day notice required for internal inspections of EFRTs (i.e., prior to filling or refilling); but a 7-day verbal notice acceptable if the event is unplanned?	60.113b(b)(6)(ii) **REQUIRED**		
60.115b	**Recordkeeping for inspections:** Keep inspection reports as specified.	60.115b **Keep for 2 years**		
60.115b(b)	EFRT report to include:	60.115b(b)(1) **description of control equipment**		
	Periodic Reports: Report EFR seal gap inspections if there was no out-of-compliance?	60.115b(b)(2) **Required within 60 days of inspection** *		
	Records of EFR inspection reports:	60.115b(b)(3) **EFR seal gap measurements**		
	Periodic Reports: Report EFR seal gap inspections when there is out-of-compliance?	60.115b(b)(4) **Required within 30 days of inspection** *		
	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**		
60.116b(a)	**Applicability records:** Time period for keeping records of applicability determination, unless specified otherwise.	60.116b(a) **Keep for 2 years**		
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**		
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**		

Table IV – BZ Cluster 23
Source-specific Applicable Requirements
S1461 – Tank A-866, S1463 – Tank A-867, S1464 – Tank A-868, S1465 – Tank A-869

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
60.116b(e)	**True vapor pressure (TVP) determination for applicability:**	60.116b(e) **maximum TVP of the stored liquid, based on highest calendar month average storage temperature**		
NSPS Subpart A	**New Source Performance Standards GENERAL PROVISIONS**			
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**		
	Report (document) having initially achieved compliance?	60.7(a)(3) 60.115b(a)(1) & (b)(1) **within 15 days after initial fill**		
	Notification of Compliance Status report:	60.7(a)(3) [cf. 60.115b(a)(1)&(b)(1)] **notification within 15 days after startup**		
	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**		
60.7(f)	**General recordkeeping requirements:** Time period for keeping records, unless specified otherwise.	60.7(f) **Keep all reports & notifications for 2 years**		
	General recordkeeping requirements: Keep all reports and notification for the specified period of time.	60.7(f) **required**		
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)**		
BAAQMD Condition # 17477	**Permit Conditions**			

Table IV – CA Cluster 23
Source-specific Applicable Requirements
S490 – Tank A-490, S631 – Tank A-631, S690 – Tank A-690, S19 (12759) – Tank B-019, S30 (12759) – Tank B-030, S49 (12759) – Tank B-049

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**			
111	**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?	111 **Yes, but only allowed for stock change, tank cleaning, or repairs, & requires written notice**		
	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?	111.1 **not required, but 3-day notice is required prior to removing tank from service**		
112	Are EFR rim seals allowed to be pulled back or temporarily removed during inspection?	112 **YES **** **7-day time limit**		
	Notification of Inspections: Are notifications of inspections to demonstrate initial compliance required, For EFR seal gap measurements:	112.4 **7-day notice required prior to secondary seal replacement; no other notifications specified pertaining to seals**		
311	**EFR Rim Seals:** vapor-mounted primary seal:	311.1, 321 **Not Allowed**		
	liquid-mounted primary seal:	321.4, 320.1 **OK with rim- mounted secondary**		
	mechanical-shoe primary seal:	321.3, 320.1 **OK with rim- mounted secondary** *		
320	EFR deck openings other than for vents to project into liquid?	320.2.1, 4.1 & 5.1 **REQUIRED**		
	EFR vents to be gasketed?	320.2.2 **REQUIRED**		
	Deck openings (wells) other than for vents, drains, or legs to have covers that are kept closed except for access?	320.2.2 & 4.2 **maximum gap = 1/8 in. (& drains not exempt)**		

Table IV – CA Cluster 23
Source-specific Applicable Requirements
S490 – Tank A-490, S631 – Tank A-631, S690 – Tank A-690, S19 (12759) – Tank B-019, S30 (12759) – Tank B-030, S49 (12759) – Tank B-049

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	EFR well covers to be gasketed?	320.2.2 & 4.2 **REQUIRED**		
	EFR rim space vents to remain closed except when the pressure setting is exceeded?	320.3 **REQUIRED** *		
	EFR auto. bleeder vent (vacuum breaker) to be closed except when the deck is landed?	320.3 **REQUIRED** *		
	EFR guidepole wells to have a deck cover gasket and a pole wiper?	320.5.2 **REQUIRED** *		
	EFRT slotted guidepoles to have either an internal float or a pole sleeve?	320.5.2 **REQUIRED** *		
	EFR emergency roof drains to have seals covering at least 90% of the opening?	320.6 **REQUIRED**		
321	DETERMINATION OF EFR RIM-SEAL GAP AREAS: Sum the gap areas & divide by the diameter of the tank?	321 & 322 **different procedure, limiting the % of circumference over which the gap can be exceeded**		
	UNSAFE CONDITIONS: Delay of EFR seal gap measurements allowed for unsafe conditions? If unable to make safe to measure, must the EFRT be emptied?	321 & 322 **not addressed** 321 & 322 **not addressed**		
	Shall there be no holes, tears, or openings in the EFR seals?	321.1 & 322.1 **YES**		
	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?	321.3 **YES**		
	EFR Primary Seal Gap Inspection Criteria: maximum area: maximum gap width:	321.3 & 321.4 * **0.5 - 2.5 in.** *		
322	**EFR Secondary Seal Gap Inspection Criteria:** maximum area: maximum gap width:	322 **≤ 5% with gap > 0.02 in.*** **0.06 in.**		

Table IV – CA Cluster 23
Source-specific Applicable Requirements
S490 – Tank A-490, S631 – Tank A-631, S690 – Tank A-690, S19 (12759) – Tank B-019, S30 (12759) – Tank B-030, S49 (12759) – Tank B-049

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
328	Temporary exemption from operating requirements while the external floating roof is landed on its support legs? *	328 & 329 **exempt per 111, but 328 & 329 impose restrictions on tank cleaning & on activities commenced on excess ozone days**		
401	**Seal Gap Measurements:** FREQUENCY AFTER INITIAL COMPLIANCE, For the EFR Primary Seal:	401 **every 5 years** *		
402	**Seal Gap Measurements:** FREQUENCY AFTER INITIAL COMPLIANCE, For the EFR Secondary Seal:	402 **annually** *		
	EFR Internal Inspections: up-close visual inspection of the floating roof, seals, & fittings:	402 **at the same schedule as the secondary seal**		
404	**Seal Gap Measurements:** For new EFRTs:	404 **submit certification of seal gap measurements upon installation**		
	Notification of Compliance Status report:	404 **certification to be submitted upon installation for floating-roof rim seals**		
	EFRT report to include:	404 **seal gap measurements**		
	Periodic Reports: Miscellaneous additional info to report:	404.3 **annual certification of tank degassing equipment**		
405	**Periodic Reports:** Report EFR seal gap inspections if there was no out-of-compliance?	405 **REQUIRED** **(at same frequency as the measurements, but does not specify how promptly; but 404.2.1 specifies that interval between certification of annual secondary seal inspections shall not exceed 15 months)**		

Table IV – CA Cluster 23
Source-specific Applicable Requirements
S490 – Tank A-490, S631 – Tank A-631, S690 – Tank A-690, S19 (12759) – Tank B-019, S30 (12759) – Tank B-030, S49 (12759) – Tank B-049

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	Periodic Reports: Report EFR seal gap inspections when there is out-of-compliance?	405 **REQUIRED** **(at same frequency as the measurements, but does not specify how promptly; but 404.2.1 specifies that interval between certification of annual secondary seal inspections shall not exceed 15 months)**		
	Periodic Reports: Report of EFR inspection failures to include:	405 **date of inspection, actual seal gap data, & determination of compliance**		
501	**Applicability records:** Additional recordkeeping requirements for certain tanks.	501 **type of liquid stored & its TVP, for all nonexempt tanks** *		
602	**True vapor pressure (TVP) determination for applicability:**	602 or 604 **based on maximum (instantaneous) tank storage temperature**		
Refinery MACT	**NESHAP for Petroleum Refineries** **REQUIREMENTS FOR TANKS ALSO SUBJECT TO NSPS Kb**			
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**		
	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**		
	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**		
	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**		
	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**		

Table IV – CA Cluster 23
Source-specific Applicable Requirements
S490 – Tank A-490, S631 – Tank A-631, S690 – Tank A-690, S19 (12759) – Tank B-019, S30 (12759) – Tank B-030, S49 (12759) – Tank B-049

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**		
	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**		
	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**		
	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**		
NSPS Subpart Kb	**Volatile Organic Liquid Storage Vessels** **REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS**			
60.112b(a)	**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**		
	Must vapor-mounted rim seals be continuous on EFRs?	60.112b(a)(2)(i)(B) **YES**		
	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** *		
	EFR well covers to be gasketed?	60.112b(a)(2)(ii) **REQUIRED**		
	EFR vents to be gasketed?	60.112b(a)(2)(ii) **REQUIRED**		
	EFR deck openings other than for vents to project into liquid?	60.112b(a)(2)(ii) **REQUIRED**		
	EFR rim space vents to remain closed except when the pressure setting is exceeded?	60.112b(a)(2)(ii) **REQUIRED**		

Table IV – CA Cluster 23
Source-specific Applicable Requirements
S490 – Tank A-490, S631 – Tank A-631, S690 – Tank A-690, S19 (12759) – Tank B-019, S30 (12759) – Tank B-030, S49 (12759) – Tank B-049

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	EFR auto. bleeder vent (vacuum breaker) to be closed except when the deck is landed?	60.112b(a)(2)(ii) **REQUIRED**		
	EFR emergency roof drains to have seals covering at least 90% of the opening?	60.112b(a)(2)(ii) **REQUIRED**		
	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)		
	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)		
	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)		
	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**		
	Temporary exemption from operating requirements while the external floating roof is landed on its support legs? *	60.112b(a)(2)(iii) **EXEMPT**		
60.113b(b)	UNSAFE CONDITIONS: Delay of EFR seal gap measurements allowed for unsafe conditions? If unable to make safe to measure, must the EFRT be emptied?	60.113b(b)(1) **not addressed** * 60.113b(b)(1) **not addressed** *		
	EXTENSIONS OF TIME: If EFRT is unsafe to inspect & cannot be emptied within 45 days?	60.113b(b)(1) **not addressed** *		

Table IV – CA Cluster 23
Source-specific Applicable Requirements
S490 – Tank A-490, S631 – Tank A-631, S690 – Tank A-690, S19 (12759) – Tank B-019, S30 (12759) – Tank B-030, S49 (12759) – Tank B-049

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	Notification of Inspections: Are notifications of inspections to demonstrate initial compliance required, For EFR seal gap measurements:	60.113b(b)(1) & (5) **Required-notifications&reports per Ongoing Reports**		
	Seal Gap Measurements: FREQUENCY AFTER INITIAL COMPLIANCE, For the EFR Primary Seal:	60.113b(b)(1)(i) **every 5 years**		
	Seal Gap Measurements: For new EFRTs:	60.113b(b)(1)(i) &(ii) **measure gaps of both seals within 60 days after initial fill**		
	Seal Gap Measurements: FREQUENCY AFTER INITIAL COMPLIANCE, For the EFR Secondary Seal:	60.113b(b)(1)(ii) **annually**		
	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**		
	MEASUREMENT COND'S: Are EFR seal gap measurements to be made with the roof floating?	60.113b(b)(2)(i) **YES**		
	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**		
	DETERMINATION OF EFR RIM-SEAL GAP AREAS: Use probes of various widths to determine the gap area?	60.113b(b)(2)(iii) **YES**		
	DETERMINATION OF EFR RIM-SEAL GAP AREAS: Sum the gap areas & divide by the diameter of the tank?	60.113b(b)(3) **YES**		
	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**		

Table IV – CA Cluster 23
Source-specific Applicable Requirements
S490 – Tank A-490, S631 – Tank A-631, S690 – Tank A-690, S19 (12759) – Tank B-019, S30 (12759) – Tank B-030, S49 (12759) – Tank B-049

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	EFR Primary Seal Gap Inspection Criteria: maximum area: maximum gap width:	60.113b(b)(4)(i) **10 in2 per foot of** **1.5 in.**		
	Shall there be no holes, tears, or openings in the EFR seals?	60.113b(b)(4)(i) & (ii) **YES**		
	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**		
	EFR Secondary Seal Gap Inspection Criteria: maximum area: maximum gap width:	60.113b(b)(4)(ii)(B) **1 in2 per foot of** **0.5 in.**		
	Are EFR rim seals allowed to be pulled back or temporarily removed during inspection?	60.113b(b)(4)(ii)(B) **not addressed** *		
	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** *		
	Periodic Reports: EFR report to include a prior request for 30-day extension, w/ documentation of need?	60.113b(b)(4)(iii) **required** *		
	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** *		
	Notification of Inspections: Is 30-day notice required prior to EFR seal gap measurements?	60.113b(b)(5) **REQUIRED**		
	EFR Internal Inspections: up-close visual inspection of the floating roof, seals, & fittings:	60.113b(b)(6) **each time the tank is emptied & degassed**		

Table IV – CA Cluster 23
Source-specific Applicable Requirements
S490 – Tank A-490, S631 – Tank A-631, S690 – Tank A-690, S19 (12759) – Tank B-019, S30 (12759) – Tank B-030, S49 (12759) – Tank B-049

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	Notification of Inspections: Are notifications of inspections to demonstrate initial compliance required, For EFR internal inspections:	60.113b(b)(6) **internal inspection not required for initial compliance**		
	EFRT REPAIRS: Repair of defects if the tank is empty?	60.113b(b)(6)(i) **prior to refilling**		
	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**		
60.115b	**Recordkeeping for inspections:** Keep inspection reports as specified.	60.115b **Keep for 2 years**		
60.115b(b)	EFRT report to include:	60.115b(b)(1) **description of control equipment**		
	Periodic Reports: Report EFR seal gap inspections if there was no out-of-compliance?	60.115b(b)(2) **Required within 60 days of inspection** *		
	Records of EFR inspection reports:	60.115b(b)(3) **EFR seal gap measurements**		
	Periodic Reports: Report EFR seal gap inspections when there is out-of-compliance?	60.115b(b)(4) **Required within 30 days of inspection** *		
	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**		
60.116b(a)	**Applicability records:** Time period for keeping records of applicability determination, unless specified otherwise.	60.116b(a) **Keep for 2 years**		
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**		

Table IV – CA Cluster 23
Source-specific Applicable Requirements
S490 – Tank A-490, S631 – Tank A-631, S690 – Tank A-690, S19 (12759) – Tank B-019, S30 (12759) – Tank B-030, S49 (12759) – Tank B-049

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
60.116b(c)	**Applicability records:** Additional recordkeeping requirements for certain tanks.	60.116b(c) **identification & TVP of the stored product, if capacity ≥ 20,000 gallons. and TVP ≥ 2.2, OR capacity ≥ 40,000 gallons. and TVP ≥ 0.51 Keep record as long as the tank is in that service**		
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**		
NSPS Subpart A	**New Source Performance Standards GENERAL PROVISIONS**			
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**		
	Report (document) having initially achieved compliance?	60.7(a)(3) 60.115b(a)(1) & (b)(1) **within 15 days after initial fill**		
	Notification of Compliance Status report:	60.7(a)(3) [cf. 60.115b(a)(1)&(b)(1)] **notification within 15 days after startup**		
	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**		
60.7(f)	**General recordkeeping requirements:** Time period for keeping records, unless specified otherwise.	60.7(f) **Keep all reports & notifications for 2 years**		
	General recordkeeping requirements: Keep all reports and notification for the specified period of time.	60.7(f) **required**		
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)**		

Table IV – CB 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 FOR EXTERNAL FLOATING ROOF TANKS**			
111	**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?	111 **Yes, but only allowed for stock change, tank cleaning, or repairs, & requires written notice**		
	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?	111.1 **not required, but 3-day notice is required prior to removing tank from service**		
112	Are EFR rim seals allowed to be pulled back or temporarily removed during inspection?	112 **YES ** 7-day time limit**		
	Notification of Inspections: Are notifications of inspections to demonstrate initial compliance required, For EFR seal gap measurements:	112.4 **7-day notice required prior to secondary seal replacement; no other notifications specified pertaining to seals**		
311	**EFR Rim Seals:**			
	vapor-mounted primary seal:	311.1, 321 **Not Allowed**		
	liquid-mounted primary seal:	321.4, 320.1 **OK with rim- mounted secondary**		
	mechanical-shoe primary seal:	321.3, 320.1 **OK with rim- mounted secondary ***		
320	EFR deck openings other than for vents to project into liquid?	320.2.1, 4.1 & 5.1 **REQUIRED**		
	EFR vents to be gasketed?	320.2.2 **REQUIRED**		
	Deck openings (wells) other than for vents, drains, or legs to have covers that are kept closed except for access?	320.2.2 & 4.2 **maximum gap = 1/8 in. (& drains not exempt)**		
	EFR well covers to be gasketed?	320.2.2 & 4.2 **REQUIRED**		

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

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	EFR rim space vents to remain closed except when the pressure setting is exceeded?	320.3 **REQUIRED** *		
	EFR auto. bleeder vent (vacuum breaker) to be closed except when the deck is landed?	320.3 **REQUIRED** *		
	EFR guidepole wells to have a deck cover gasket and a pole wiper?	320.5.2 **REQUIRED** *		
	EFRT slotted guidepoles to have either an internal float or a pole sleeve?	320.5.2 **REQUIRED** *		
	EFR emergency roof drains to have seals covering at least 90% of the opening?	320.6 **REQUIRED**		
321	DETERMINATION OF EFR RIM-SEAL GAP AREAS: Sum the gap areas & divide by the diameter of the tank?	321 & 322 **different procedure, limiting the % of circumference over which the gap can be exceeded**		
	UNSAFE CONDITIONS: Delay of EFR seal gap measurements allowed for unsafe conditions? If unable to make safe to measure, must the EFRT be emptied?	321 & 322 **not addressed** 321 & 322 **not addressed**		
	Shall there be no holes, tears, or openings in the EFR seals?	321.1 & 322.1 **YES**		
	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?	321.3 **YES**		
	EFR Primary Seal Gap Inspection Criteria: maximum area: maximum gap width:	321.3 & 321.4 * **0.5 - 2.5 in.** *		
322	**EFR Secondary Seal Gap Inspection Criteria:** maximum area: maximum gap width:	322 **≤ 5% with gap > 0.02 in.*** **0.06 in.**		

Table IV – CB 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
328	Temporary exemption from operating requirements while the external floating roof is landed on its support legs? *	328 & 329 **exempt per 111, but 328 & 329 impose restrictions on tank cleaning & on activities commenced on excess ozone days**		
401	**Seal Gap Measurements:** FREQUENCY AFTER INITIAL COMPLIANCE, For the EFR Primary Seal:	401 **every 5 years** *		
402	**Seal Gap Measurements:** FREQUENCY AFTER INITIAL COMPLIANCE, For the EFR Secondary Seal:	402 **annually** *		
	EFR Internal Inspections: up-close visual inspection of the floating roof, seals, & fittings:	402 **at the same schedule as the secondary seal**		
404	**Seal Gap Measurements:** For new EFRTs:	404 **submit certification of seal gap measurements upon installation**		
	Notification of Compliance Status report:	404 **certification to be submitted upon installation for floating-roof rim seals**		
	EFRT report to include:	404 **seal gap measurements**		
	Periodic Reports: Miscellaneous additional info to report:	404.3 **annual certification of tank degassing equipment**		
405	**Periodic Reports:** Report EFR seal gap inspections if there was no out-of-compliance?	405 **REQUIRED** **(at same frequency as the measurements, but does not specify how promptly; but 404.2.1 specifies that interval between certification of annual secondary seal inspections shall not exceed 15 months)**		
	Periodic Reports: Report EFR seal gap inspections when there is out-of-compliance?	405 **REQUIRED** **(at same frequency as the measurements, but does not specify how promptly; but 404.2.1 specifies that interval between certification of annual secondary seal inspections shall not exceed 15 months)**		

Table IV – CB 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:	405 **date of inspection, actual seal gap data, & determination of compliance**		
501	**Applicability records:** Additional recordkeeping requirements for certain tanks.	501 **type of liquid stored & its TVP, for all nonexempt tanks** *		
602	**True vapor pressure (TVP) determination for applicability:**	602 or 604 **based on maximum (instantaneous) tank storage temperature**		
Refinery MACT	**NESHAP for Petroleum Refineries** **REQUIREMENTS FOR TANKS ALSO SUBJECT TO NSPS Kb**			
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**		
	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**		
	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**		
	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**		
	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**		
	Does Refinery MACT provide for waiving the NSPS Kb prior-request requirement for extensions of time?	63.640(n)(8)(iii) **YES**		
	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**		
	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**		

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

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	Does Refinery MACT provide for 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**		
NSPS Subpart Kb	**Volatile Organic Liquid Storage Vessels** **REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS**			
60.112b(a)	**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**		
	Must vapor-mounted rim seals be continuous on EFRs?	60.112b(a)(2)(i)(B) **YES**		
	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** *		
	EFR well covers to be gasketed?	60.112b(a)(2)(ii) **REQUIRED**		
	EFR vents to be gasketed?	60.112b(a)(2)(ii) **REQUIRED**		
	EFR deck openings other than for vents to project into liquid?	60.112b(a)(2)(ii) **REQUIRED**		
	EFR rim space vents to remain closed except when the pressure setting is exceeded?	60.112b(a)(2)(ii) **REQUIRED**		
	EFR auto. bleeder vent (vacuum breaker) to be closed except when the deck is landed?	60.112b(a)(2)(ii) **REQUIRED**		
	EFR emergency roof drains to have seals covering at least 90% of the opening?	60.112b(a)(2)(ii) **REQUIRED**		
	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)		

Table IV – CB 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 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)		
	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)		
	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**		
	Temporary exemption from operating requirements while the external floating roof is landed on its support legs? *	60.112b(a)(2)(iii) **EXEMPT**		
60.113b(b)	UNSAFE CONDITIONS: Delay of EFR seal gap measurements allowed for unsafe conditions? If unable to make safe to measure, must the EFRT be emptied?	60.113b(b)(1) **not addressed** * 60.113b(b)(1) **not addressed** *		
	EXTENSIONS OF TIME: If EFRT is unsafe to inspect & cannot be emptied within 45 days?	60.113b(b)(1) **not addressed** *		
	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**		
	Seal Gap Measurements: FREQUENCY AFTER INITIAL COMPLIANCE, For the EFR Primary Seal:	60.113b(b)(1)(i) **every 5 years**		
	Seal Gap Measurements: For new EFRTs:	60.113b(b)(1)(i) &(ii) **measure gaps of both seals within 60 days after initial fill**		
	Seal Gap Measurements: FREQUENCY AFTER INITIAL COMPLIANCE, For the EFR Secondary Seal:	60.113b(b)(1)(ii) **annually**		

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

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	Seal Gap Measurements: For 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**		
	MEASUREMENT COND'S: Are EFR seal gap measurements to be made with the roof floating?	60.113b(b)(2)(i) **YES**		
	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**		
	DETERMINATION OF EFR RIM-SEAL GAP AREAS: Use probes of various widths to determine the gap area?	60.113b(b)(2)(iii) **YES**		
	DETERMINATION OF EFR RIM-SEAL GAP AREAS: Sum the gap areas & divide by the diameter of the tank?	60.113b(b)(3) **YES**		
	EFRT REPAIRS: Time allowed for repair of defects found during in-service inspections of EFRs: If unable to repair, empty the EFRT & remove from service?	60.113b(b)(4) **make repairs within 45 days** 60.113b(b)(4) **YES, within 45 days**		
	EFR Primary Seal Gap Inspection Criteria: maximum area: maximum gap width:	60.113b(b)(4)(i) **10 in2 per foot of vessel diameter** **1.5 in.**		
	Shall there be no holes, tears, or openings in the EFR seals?	60.113b(b)(4)(i) & (ii) **YES**		
	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**		
	EFR Secondary Seal Gap Inspection Criteria: maximum area: maximum gap width:	60.113b(b)(4)(ii)(B) **1 in2 per foot of vessel diameter** **0.5 in.**		

Table IV – CB 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
	Are EFR rim seals allowed to be pulled back or temporarily removed during inspection?	60.113b(b)(4)(ii)(B) **not addressed** *		
	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** *		
	Periodic Reports: EFR report to include a prior request for 30-day extension, w/ documentation of need?	60.113b(b)(4)(iii) **required** *		
	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** *		
	Notification of Inspections: Is 30-day notice required prior to EFR seal gap measurements?	60.113b(b)(5) **REQUIRED**		
	EFR Internal Inspections: up-close visual inspection of the floating roof, seals, & fittings:	60.113b(b)(6) **each time the tank is emptied & degassed**		
	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**		
	EFRT REPAIRS: Repair of defects if the tank is empty?	60.113b(b)(6)(i) **prior to refilling**		
	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**		
60.115b	**Recordkeeping for inspections:** Keep inspection reports as specified.	60.115b **Keep for 2 years**		
60.115b(b)	EFRT report to include:	60.115b(b)(1) **description of control equipment**		

Table IV – CB 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 EFR seal gap inspections if there was no out-of-compliance?	60.115b(b)(2) **Required within 60 days of inspection** *		
	Records of EFR inspection reports:	60.115b(b)(3) **EFR seal gap measurements**		
	Periodic Reports: Report EFR seal gap inspections when there is out-of-compliance?	60.115b(b)(4) **Required within 30 days of inspection** *		
	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**		
60.116b(a)	**Applicability records:** Time period for keeping records of applicability determination, unless specified otherwise.	60.116b(a) **Keep for 2 years**		
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**		
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**		
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**		
NSPS Subpart A	**New Source Performance Standards** **GENERAL PROVISIONS**			
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**		
	Report (document) having initially achieved compliance?	60.7(a)(3) 60.115b(a)(1) & (b)(1) **within 15 days after initial fill**		
	Notification of Compliance Status report:	60.7(a)(3) [cf. 60.115b(a)(1)&(b)(1)] **notification within 15 days after startup**		

Table IV – CB 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
	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**		
60.7(f)	**General recordkeeping requirements:** Time period for keeping records, unless specified otherwise. — 60.7(f) **Keep all reports & notifications for 2 years**		
	General recordkeeping requirements: Keep all reports and notification for the specified period of time. — 60.7(f) **required**		
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)**		
NESHAP 40 CFR 61 Subpart FF	**National Emission Standard for Benzene Waste Operations (3/7/90)**	**Y**	
61.342	Standards: General	Y	
61.342(a)	exemption for facilities with less than 10 Mg/yr of benzene in waste from 61.342(b) and 61.342(c)	Y	
61.342(b)	facilities with 10 Mg/yr or more of benzene in waste shall comply with 61.342(c) through 61.342(h)	Y	
61.342(c)	for facilities with 10 Mg/yr or more of benzene in waste:	Y	
61.342(c)(1)	benzene-containing streams shall be treated in accordance with 61.342(c)(1)(i), 61.342(c)(1)(ii) and 61.342(c)(1)(iii), UNLESS it is demonstrated that weighted average benzene concentration is less than 10 ppmw [61.342(c)(2)], OR the stream contains process wastewater with a flowrate less than 0.02 l/min or an annual throughput of less than 10 Mg/yr [61.342(c)(3)(i)], OR the low-flow exemption in 61.342(c)(3)(i) is not used, no more than 2.0 Mg/yr of total benzene throughput is exempted from treatment, and the benzene throughput in each exempted stream is quantified each year	Y	

Table IV – CB 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
	[61.342(c)(3)(ii)]		
61.342(c)(1)(i)	remove or destroy benzene in process or wastewater streams in accordance with 61.348	Y	
61.342(c)(1)(ii)	comply with 61.343 through 61.347 for treatment units operated in accordance with 61.342(c)(1)(i)	Y	
61.342(c)(1)(iii)	recycled wastes that have been returned to a process are no longer subject to 61.342(c)	Y	
61.342(d)	alternative to 61.342(c) standards for facilities with 10 Mg/yr or more of benzene in waste:	Y	
61.342(d)(1)	non-process wastewater shall be treated in accordance with 61.342(c)(1)	Y	
61.342(d)(2)	for process wastewater:	Y	
61.342(d)(2)(i)	treat process wastewater such that benzene content is reduced to a total of less than 1 Mg/yr	Y	
61.342(d)(2)(ii)	each wastewater stream that is treated in accordance with 61.342(d)(2)(i), shall be treated in accordance with 61.342(c)(1)	Y	
61.342(e)	alternative to 61.342(c) and 61.342(d) standards for facilities with 10 Mg/yr or more of benzene in waste:	Y	
61.342(e)(1)	waste with a flow-weighted annual average water content of less than 10% shall be treated in accordance with 61.342(c)(1)	Y	
61.342(e)(2)	for waste with a flow-weighted annual average water content of 10% or more by volume:	Y	
61.342(e)(2)(i)	waste shall not contain more than 6.0 Mg/yr benzene	Y	
61.342(f)	offsite treatment option	Y	
61.343	Standards: Tanks	Y	
61.343(a)(1)	Owner/operator shall install, operate, and maintain a fixed-roof and closed-vent system that routes all organic vapors vented from the tank to a control device.	Y	
61.343(a)(1)(i)	Fixed Roof leak requirements - < 500 ppmv above background, determined initially then annually by method in 61.355(h) of this subpart.	Y	
61.343(a)(1)(ii)	Closed-vent system and control device designed and operated in accordance with 61.349 of this subpart	Y	
61.343(b)	For a tank that meets all of the conditions of paragraph (b)(1), the	Y	

Table IV – CB 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
	owner/operator may elect to comply with paragraph (b)(2) as an alternative to the requirements of (a)(1).		
61.343(b)(1)	The waste managed in the tank complying with (b)(2) shall meet all of the following conditions: wastestream managed in the tank must have a flow-weighted annual average water content less than or equal to 10% water, on a volume basis and the waste managed in the tank either: has a maximum organic vapor pressure less than 0.75 psi, or has a maximum organic vapor pressure less than 4.0 psi and is managed in a tank less than 40,000 gallons, or has a maximum organic vapor pressure less than 11.1 psi and is managed in a tank having a design capacity less than 20,000 gallons.	Y	
61.343(b)(2)	Owner/operator shall install, operate, and maintain a fixed roof as specified in paragraph (a)(1)(i).	Y	
61.343(b)(3)	may use devices that vent directly to atmosphere provided the devices are closed, sealed during normal operations except when thedevice needs to open to prevent damage or deformation of the tank or cover.	Y	
61.343(c)	Inspect all fixed-roof, seal, access doors, and all other openings visually initially and quarterly for cracks and gaps and that doors and openings are closed and gas keted properly.	Y	
61.343(d)	When a broken seal or gasket is identified, or when detectable emissions are measured, first efforts at repair shall be made as soon as practicable, but not later than 45 calendar days after identification.	Y	
61.348	Standards: Treatment processes	Y	
61.351	Alternative standards for tanks.	Y	
61.354	Monitoring of operations	Y	
61.354(a)(ii)	process parameters shall be continuously monitored and recorded and inspected at least once per operating day to verify proper operation	Y	
61.355	Test methods, procedures and compliance provisions	Y	
61.355(b)(1)	quantification of annual waste quantity at sour water strippers (including ammonia stills at coke by-product plants) shall be made at the water effluent from the still	Y	
61.355(c)(1)(i)(A)	quantification of flow-weighted annual average benzene concentration (including ammonia stills at coke by-product plants) shall be made at the water effluent from the still	Y	
61.356	Recordkeeping requirements	Y	
61.356(a)	recordkeeping and retention requirements	Y	
61.356(b)	waste stream records	Y	

Table IV – CB 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
61.357	Reporting requirements	Y	
61.357(c)	reporting requirements for facilities with less than 10 Mg/yr total benzene in waste	Y	
61.357(d)	reporting requirements for facilities with 10 Mg/yr or more total benzene in waste	Y	
BAAQMD Condition # 5944	**Permit Conditions**		

Table IV – CD Cluster 24
Source-specific Applicable Requirements
S279 – Tank A-279

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 INTERNAL FLOATING ROOF TANKS**		
111	**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? — 111 **Yes, but only allowed for stock change, tank cleaning, or repairs, & requires written notice**		
	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? — 111.1 **not required, but 3-day notice is required prior to removing tank from service**		
311	**IFR Rim Seals:** 311.2, 320.1 * vapor-mounted primary seal: **OK with rim-mounted secondary** liquid-mounted primary seal: **OK alone** mechanical-shoe primary seal: **OK alone**		

Table IV – CD Cluster 24
Source-specific Applicable Requirements
S279 – Tank A-279

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
320	IFR deck openings other than for vents to project into liquid?	320.2.1, 4.1 & 5.1 **REQUIRED**		
	IFR vents to be gasketed?	320.2.2 **REQUIRED**		
	IFR well covers to be gasketed?	320.2.2 & 4.2 **REQUIRED**		
	Deck openings (wells) other than for vents, drains, or legs to have covers that are kept closed except for access?	320.2.2, 2.3 & 4.2 **maximum gap = 1/8 in. (& drains not exempt) if inaccessible, no gaps are to be visible from the fixed roof manway**		
	IFR rim space vents to remain closed except when the pressure setting is exceeded?	320.3 **REQUIRED** *		
	IFR auto. bleeder vent (vacuum breaker) to be closed except when the deck is landed?	320.3 **REQUIRED** *		
	IFR guidepole & column wells allowed a flexible-fabric sleeve seal or a gasketed cover?	320.4.2 **maximum gap = 1/8 in.**		
	IFRT slotted guidepoles to have a deck cover gasket and pole wiper, and either an internal float or a pole sleeve?	320.5.2 **Float/Sleeve Not Required**		
321	Are there to be no IFR rim seal gaps that are visible from the tank top?	321 & 322 **if installed after 2/1/93, requires the same gap criteria as for EFRs** *		
	Shall there be no holes, tears, or openings in the IFR seals?	321.1 & 322.1 **YES**		
	Is the metallic shoe of an IFR mechanical-shoe seal required to have its bottom in the liquid and extend at least 24 in. above the liquid?	321.3 **IFR shoe to extend 18 in. above the liquid**		
328	Temporary exemption from operating requirements while the internal floating roof is landed on its support legs? *	328 & 329 **exempt per 111, but 328 & 329 impose restrictions on tank cleaning & on activities commenced on excess ozone days**		

Table IV – CD Cluster 24
Source-specific Applicable Requirements
S279 – Tank A-279

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
330	Is there to be no liquid on the internal floating roof?	330 **at least 3 viewports required, but no specific prohibition on liquid on the IFR**		
401	**IFR/CFR Internal Inspections:** (up close visual inspection of the floating roof, seals, & fittings):	401 & 402 **every 10 years**		
403	**Tank Top Visual Inspections** (of IFR/CFR from manways and hatches of the fixed roof):	403 **annually**		
404	**Notification of Compliance Status report:**	404 **certification to be submitted upon installation for floating-roof rim seals**		
	IFRT report to include:	404 **seal gap measurements (if applicable)**		
	Periodic Reports: Miscellaneous additional info to report:	404.3 **annual certification of tank degassing equipment**		
405	**Periodic Reports:** Report of IFR/CFR inspection failures to include:	405 **date of inspection, actual seal gap data, & determination of compliance** *		
501	**Applicability records:** Additional recordkeeping requirements for certain tanks.	501 **type of liquid stored & its TVP, for all nonexempt tanks** *		
602	**True vapor pressure (TVP) determination for applicability:**	602 or 604 **based on maximum (instantaneous) tank storage temperature**		
Refinery MACT	**NESHAP for Petroleum Refineries** **REQUIREMENTS FOR TANKS ALSO SUBJECT TO NSPS Kb**			
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**		
	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**		

Table IV – CD Cluster 24
Source-specific Applicable Requirements
S279 – Tank A-279

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	Does Refinery MACT provide for delay of NSPS Kb seal gap measurements due to unsafe conditions?	63.640(n)(8)(ii) **YES – up to 30 days, or empty the tank within 45 days**		
	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**		
	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**		
	Does Refinery MACT provide for waiving the NSPS Kb prior-request requirement for extensions of time?	63.640(n)(8)(iii) **YES**		
	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**		
	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**		
	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**		
NSPS Subpart Kb	**Volatile Organic Liquid Storage Vessels** **REQUIREMENTS FOR INTERNAL FLOATING ROOF TANKS**			
60.112b(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?	60.112b(a)(1)(i) **YES**		
	Temporary exemption from operating requirements while the internal floating roof is landed on its support legs? *	60.112b(a)(1)(i) **EXEMPT**		

Table IV – CD Cluster 24
Source-specific Applicable Requirements
S279 – Tank A-279

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	IFR Rim Seals: vapor-mounted primary seal: liquid-mounted primary seal: mechanical-shoe primary seal:	60.112b(a)(1)(ii) **OK with rim-mounted secondary** **OK alone** **OK alone**		
	Must IFR vapor-mounted rim seals be continuous?	60.112b(a)(1)(ii)(B) **REQUIRED**		
	IFR deck openings other than for vents to project into liquid?	60.112b(a)(1)(iii) **REQUIRED**		
	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**		
	IFR access hatch & gauge float well covers to be bolted closed?	60.112b(a)(1)(iv) **REQUIRED**		
	IFR well covers to be gasketed?	60.112b(a)(1)(iv) & (ix) **REQUIRED**		
	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)		
	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)		
	IFR auto. bleeder vent (vacuum breaker) to be closed except when the deck is landed?	60.112b(a)(1)(v) **REQUIRED**		
	IFR vents to be gasketed?	60.112b(a)(1)(v) & (vi) **REQUIRED**		
	IFR rim space vents to remain closed except when the pressure setting is exceeded?	60.112b(a)(1)(vi) **REQUIRED**		
	IFR sample penetration to be a sample well with a slit-fabric seal over 90% of the opening?	60.112b(a)(1)(vii) **REQUIRED**		
	IFR guidepole & column wells allowed a flexible-fabric sleeve seal or a gasketed cover?	60.112b(a)(1)(viii) **OK for columns**		

Table IV – CD Cluster 24
Source-specific Applicable Requirements
S279 – Tank A-279

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
60.113b(a)	**IFR/CFR Internal Inspections:** (up close visual inspection of the floating roof, seals, & fittings):	60.113b(a)(1) & (4) **prior to initial fill, then every 10 years, including each emptying/degassing**		
	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**		
	Shall there be no holes, tears, or openings in the IFR seals?	60.113b(a)(1), (2), &(4) **REQUIRED**		
	Is there to be no liquid on the internal floating roof?	60.113b(a)(2) **REQUIRED**		
	Tank Top Visual Inspections (of IFR/CFR from manways and hatches of the fixed roof):	60.113b(a)(2) **annually after initial fill**		
	IFRT REPAIRS: Time allowed for repair of defects found during in-service inspections:	60.113b(a)(2) **make repairs within 45 days**		
	IFRT REPAIRS: If unable to repair, empty the tank & remove from service?	60.113b(a)(2) **YES, within 45 days**		
	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** *		
	Periodic Reports: IFR/CFR report to include prior request for 30-day extension, w/ documentation of need?	60.113b(a)(2) **required** *		
	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** *		
	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**		
	IFRT REPAIRS: Repair of defects if the tank is empty?	60.113b(a)(4) **prior to refilling**		

Table IV – CD Cluster 24
Source-specific Applicable Requirements
S279 – Tank A-279

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	Notification of Inspections: Is 30-day notice required for internal inspections of 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**		
60.115b	**Recordkeeping for inspections:** Keep inspection reports as specified.	60.115b **Keep for 2 years**		
60.115b(a)	IFRT report to include:	60.115b(a)(1) **description of control equipment**		
	Records of IFR & CFR inspection reports:	60.115b(a)(2) **all IFR inspections**		
	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)**		
	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**		
60.116b(a)	**Applicability records:** Time period for keeping records of applicability determination, unless specified otherwise.	60.116b(a) **Keep for 2 years**		
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**		
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**		
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**		

Table IV – CD Cluster 24
Source-specific Applicable Requirements
S279 – Tank A-279

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
NSPS Subpart A	**New Source Performance Standards** **GENERAL PROVISIONS**			
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**		
	Report (document) having initially achieved compliance?	60.7(a)(3) 60.115b(a)(1) & (b)(1) **within 15 days after initial fill**		
	Notification of Compliance Status report:	60.7(a)(3) [cf. 60.115b(a)(1)&(b)(1)] **notification within 15 days after startup**		
	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**		
60.7(f)	**General recordkeeping requirements:** Time period for keeping records, unless specified otherwise.	60.7(f) **Keep all reports & notifications for 2 years**		
	General recordkeeping requirements: Keep all reports and notification for the specified period of time.	60.7(f) **required**		
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)**		
BAAQMD Condition # 5933	**Permit Conditions**			

Table IV – CE Cluster 24
Source-specific Applicable Requirements
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 REQUIREMENTS FOR INTERNAL FLOATING ROOF TANKS**			
111	**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?	111 **Yes, but only allowed for stock change, tank cleaning, or repairs, & requires written notice**		
	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?	111.1 **not required, but 3-day notice is required prior to removing tank from service**		
311	**IFR Rim Seals:** vapor-mounted primary seal:	311.2, 320.1 * **OK with rim-mounted secondary**		
	liquid-mounted primary seal:	**OK alone**		
	mechanical-shoe primary seal:	**OK alone**		
320	IFR deck openings other than for vents to project into liquid?	320.2.1, 4.1 & 5.1 **REQUIRED**		
	IFR vents to be gasketed?	320.2.2 **REQUIRED**		
	IFR well covers to be gasketed?	320.2.2 & 4.2 **REQUIRED**		
	Deck openings (wells) other than for vents, drains, or legs to have covers that are kept closed except for access?	320.2.2, 2.3 & 4.2 **maximum gap = 1/8 in. (& drains not exempt) if inaccessible, no gaps are to be visible from the fixed roof manway**		
	IFR rim space vents to remain closed except when the pressure setting is exceeded?	320.3 **REQUIRED** *		
	IFR auto. bleeder vent (vacuum breaker) to be closed except when the deck is landed?	320.3 **REQUIRED** *		

Table IV – CE Cluster 24
Source-specific Applicable Requirements
S313 – Tank A-313, S315 – Tank A-315

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	IFR guidepole & column wells allowed a flexible-fabric sleeve seal or a gasketed cover?	320.4.2 **maximum gap = 1/8 in.**		
	IFRT slotted guidepoles to have a deck cover gasket and pole wiper, and either an internal float or a pole sleeve?	320.5.2 **Float/Sleeve** **Not Required**		
321	Are there to be no IFR rim seal gaps that are visible from the tank top?	321 & 322 **if installed after 2/1/93, requires the same gap criteria as for EFRs** *		
	Shall there be no holes, tears, or openings in the IFR seals?	321.1 & 322.1 **YES**		
	Is the metallic shoe of an IFR mechanical-shoe seal required to have its bottom in the liquid and extend at least 24 in. above the liquid?	321.3 **IFR shoe to extend 18 in. above the liquid**		
328	Temporary exemption from operating requirements while the internal floating roof is landed on its support legs? *	328 & 329 **exempt per 111, but 328 & 329 impose restrictions on tank cleaning & on activities commenced on excess ozone days**		
330	Is there to be no liquid on the internal floating roof?	330 **at least 3 viewports required, but no specific prohibition on liquid on the IFR**		
401	**IFR/CFR Internal Inspections:** (up close visual inspection of the floating roof, seals, & fittings):	401 & 402 **every 10 years**		
403	**Tank Top Visual Inspections** (of IFR/CFR from manways and hatches of the fixed roof):	403 **annually**		
404	**Notification of Compliance Status report:**	404 **certification to be submitted upon installation for floating-roof rim seals**		
	IFRT report to include:	404 **seal gap measurements (if applicable)**		
	Periodic Reports: Miscellaneous additional info to report:	404.3 **annual certification of tank degassing equipment**		

Table IV – CE Cluster 24
Source-specific Applicable Requirements
S313 – Tank A-313, S315 – Tank A-315

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
405	**Periodic Reports:** Report of IFR/CFR inspection failures to include:	405 **date of inspection, actual seal gap data, & determination of compliance** *		
501	**Applicability records:** Additional recordkeeping requirements for certain tanks.	501 **type of liquid stored & its TVP, for all nonexempt tanks** *		
602	**True vapor pressure (TVP) determination for applicability:**	602 or 604 **based on maximum (instantaneous) tank storage temperature**		
Refinery MACT	**NESHAP for Petroleum Refineries** **REQUIREMENTS FOR TANKS ALSO SUBJECT TO NSPS Kb**			
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**		
	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**		
	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**		
	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**		
	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**		
	Does Refinery MACT provide for waiving the NSPS Kb prior-request requirement for extensions of time?	63.640(n)(8)(iii) **YES**		
	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**		
	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**		

Table IV – CE Cluster 24
Source-specific Applicable Requirements
S313 – Tank A-313, S315 – Tank A-315

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**		
NSPS Subpart Kb	**Volatile Organic Liquid Storage Vessels** **REQUIREMENTS FOR INTERNAL FLOATING ROOF TANKS**			
60.112b(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?	60.112b(a)(1)(i) **YES**		
	Temporary exemption from operating requirements while the internal floating roof is landed on its support legs? *	60.112b(a)(1)(i) **EXEMPT**		
	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**		
	Must IFR vapor-mounted rim seals be continuous?	60.112b(a)(1)(ii)(B) **REQUIRED**		
	IFR deck openings other than for vents to project into liquid?	60.112b(a)(1)(iii) **REQUIRED**		
	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**		
	IFR access hatch & gauge float well covers to be bolted closed?	60.112b(a)(1)(iv) **REQUIRED**		
	IFR well covers to be gasketed?	60.112b(a)(1)(iv) & (ix) **REQUIRED**		
	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)		
	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)		

Table IV – CE Cluster 24
Source-specific Applicable Requirements
S313 – Tank A-313, S315 – Tank A-315

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**		
	IFR vents to be gasketed?	60.112b(a)(1)(v) & (vi) **REQUIRED**		
	IFR rim space vents to remain closed except when the pressure setting is exceeded?	60.112b(a)(1)(vi) **REQUIRED**		
	IFR sample penetration to be a sample well with a slit-fabric seal over 90% of the opening?	60.112b(a)(1)(vii) **REQUIRED**		
	IFR guidepole & column wells allowed a flexible-fabric sleeve seal or a gasketed cover?	60.112b(a)(1)(viii) **OK for columns**		
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**		
	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**		
	Shall there be no holes, tears, or openings in the IFR seals?	60.113b(a)(1), (2), &(4) **REQUIRED**		
	Is there to be no liquid on the internal floating roof?	60.113b(a)(2) **REQUIRED**		
	Tank Top Visual Inspections (of IFR/CFR from manways and hatches of the fixed roof):	60.113b(a)(2) **annually after initial fill**		
	IFRT REPAIRS: Time allowed for repair of defects found during in-service inspections:	60.113b(a)(2) **make repairs within 45 days**		
	IFRT REPAIRS: If unable to repair, empty the tank & remove from service?	60.113b(a)(2) **YES, within 45 days**		
	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** *		
	Periodic Reports: IFR/CFR report to include prior request for 30-day extension, w/ documentation of need?	60.113b(a)(2) **required** *		

Table IV – CE Cluster 24
Source-specific Applicable Requirements
S313 – Tank A-313, S315 – Tank A-315

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	Periodic Reports: Additional information to be included if an extension is utilized for an IFR/CFR:	60.113b(a)(2) **document the reason for the extension** *		
	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**		
	IFRT REPAIRS: Repair of defects if the tank is empty?	60.113b(a)(4) **prior to refilling**		
	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**		
60.115b	**Recordkeeping for inspections:** Keep inspection reports as specified.	60.115b **Keep for 2 years**		
60.115b(a)	IFRT report to include:	60.115b(a)(1) **description of control equipment**		
	Records of IFR & CFR inspection reports:	60.115b(a)(2) **all IFR inspections**		
	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)**		
	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**		
60.116b(a)	**Applicability records:** Time period for keeping records of applicability determination, unless specified otherwise.	60.116b(a) **Keep for 2 years**		
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**		

Table IV – CE Cluster 24
Source-specific Applicable Requirements
S313 – Tank A-313, S315 – Tank A-315

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
60.116b(c)	**Applicability records:** Additional recordkeeping requirements for certain tanks.	60.116b(c) **identification & TVP of the stored product, if capacity ≥ 20,000 gallons. and TVP ≥ 2.2, OR capacity ≥ 40,000 gallons. and TVP ≥ 0.51 Keep record as long as the tank is in that service**		
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**		
NSPS Subpart A	**New Source Performance Standards GENERAL PROVISIONS**			
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**		
	Report (document) having initially achieved compliance?	60.7(a)(3) 60.115b(a)(1) & (b)(1) **within 15 days after initial fill**		
	Notification of Compliance Status report:	60.7(a)(3) [cf. 60.115b(a)(1)&(b)(1)] **notification within 15 days after startup**		
	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**		
60.7(f)	**General recordkeeping requirements:** Time period for keeping records, unless specified otherwise.	60.7(f) **Keep all reports & notifications for 2 years**		
	General recordkeeping requirements: Keep all reports and notification for the specified period of time.	60.7(f) **required**		
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)**		

Table IV – CE Cluster 24
Source-specific Applicable Requirements
S313 – Tank A-313, S315 – Tank A-315

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Condition # 8516	**Permit Conditions**		

Table IV – CF 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 REQUIREMENTS FOR INTERNAL FLOATING ROOF TANKS**			
111	**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?	111 **Yes, but only allowed for stock change, tank cleaning, or repairs, & requires written notice**		
	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?	111.1 **not required, but 3-day notice is required prior to removing tank from service**		
311	**IFR Rim Seals:**			
	vapor-mounted primary seal:	311.2, 320.1 * **OK with rim-mounted secondary**		
	liquid-mounted primary seal:	**OK alone**		
	mechanical-shoe primary seal:	**OK alone**		
320	IFR deck openings other than for vents to project into liquid?	320.2.1, 4.1 & 5.1 **REQUIRED**		
	IFR vents to be gasketed?	320.2.2 **REQUIRED**		
	IFR well covers to be gasketed?	320.2.2 & 4.2 **REQUIRED**		
	Deck openings (wells) other than for vents, drains, or legs to have covers that are kept closed except for access?	320.2.2, 2.3 & 4.2 **maximum gap = 1/8 in. (& drains not exempt) if inaccessible, no gaps are to be visible from the fixed roof manway**		
	IFR rim space vents to remain closed except when the pressure setting is exceeded?	320.3 **REQUIRED** *		
	IFR auto. bleeder vent (vacuum breaker) to be closed except when the deck is landed?	320.3 **REQUIRED** *		

Table IV – CF 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
	IFR guidepole & column wells allowed a flexible-fabric sleeve seal or a gasketed cover?	320.4.2 **maximum gap = 1/8 in.**		
	IFRT slotted guidepoles to have a deck cover gasket and pole wiper, and either an internal float or a pole sleeve?	320.5.2 **Float/Sleeve** **Not Required**		
321	Are there to be no IFR rim seal gaps that are visible from the tank top?	321 & 322 **if installed after 2/1/93, requires the same gap criteria as for EFRs** *		
	Shall there be no holes, tears, or openings in the IFR seals?	321.1 & 322.1 **YES**		
	Is the metallic shoe of an IFR mechanical-shoe seal required to have its bottom in the liquid and extend at least 24 in. above the liquid?	321.3 **IFR shoe to extend 18 in. above the liquid**		
328	Temporary exemption from operating requirements while the internal floating roof is landed on its support legs? *	328 & 329 **exempt per 111, but 328 & 329 impose restrictions on tank cleaning & on activities commenced on excess ozone days**		
330	Is there to be no liquid on the internal floating roof?	330 **at least 3 viewports required, but no specific prohibition on liquid on the IFR**		
401	**IFR/CFR Internal Inspections:** (up close visual inspection of the floating roof, seals, & fittings):	401 & 402 **every 10 years**		
403	**Tank Top Visual Inspections** (of IFR/CFR from manways and hatches of the fixed roof):	403 **annually**		
404	**Notification of Compliance Status report:**	404 **certification to be submitted upon installation for floating-roof rim seals**		
	IFRT report to include:	404 **seal gap measurements (if applicable)**		
	Periodic Reports: Miscellaneous additional info to report:	404.3 **annual certification of tank degassing equipment**		

Table IV – CF 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
405	**Periodic Reports:** Report of IFR/CFR inspection failures to include:	405 **date of inspection, actual seal gap data, & determination of compliance** *		
501	**Applicability records:** Additional recordkeeping requirements for certain tanks.	501 **type of liquid stored & its TVP, for all nonexempt tanks** *		
602	**True vapor pressure (TVP) determination for applicability:**	602 or 604 **based on maximum (instantaneous) tank storage temperature**		
Refinery MACT	**NESHAP for Petroleum Refineries** **REQUIREMENTS FOR TANKS ALSO SUBJECT TO NSPS Kb**			
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**		
	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**		
	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**		
	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**		
	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**		
	Does Refinery MACT provide for waiving the NSPS Kb prior-request requirement for extensions of time?	63.640(n)(8)(iii) **YES**		
	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**		
	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**		

Table IV – CF 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 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**		
NSPS Subpart Kb	**Volatile Organic Liquid Storage Vessels** **REQUIREMENTS FOR INTERNAL FLOATING ROOF TANKS**			
60.112b(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?	60.112b(a)(1)(i) **YES**		
	Temporary exemption from operating requirements while the internal floating roof is landed on its support legs? *	60.112b(a)(1)(i) **EXEMPT**		
	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**		
	Must IFR vapor-mounted rim seals be continuous?	60.112b(a)(1)(ii)(B) **REQUIRED**		
	IFR deck openings other than for vents to project into liquid?	60.112b(a)(1)(iii) **REQUIRED**		
	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**		
	IFR access hatch & gauge float well covers to be bolted closed?	60.112b(a)(1)(iv) **REQUIRED**		
	IFR well covers to be gasketed?	60.112b(a)(1)(iv) & (ix) **REQUIRED**		
	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)		
	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)		

Table IV – CF 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
	IFR auto. bleeder vent (vacuum breaker) to be closed except when the deck is landed?	60.112b(a)(1)(v) **REQUIRED**		
	IFR vents to be gasketed?	60.112b(a)(1)(v) & (vi) **REQUIRED**		
	IFR rim space vents to remain closed except when the pressure setting is exceeded?	60.112b(a)(1)(vi) **REQUIRED**		
	IFR sample penetration to be a sample well with a slit-fabric seal over 90% of the opening?	60.112b(a)(1)(vii) **REQUIRED**		
	IFR guidepole & column wells allowed a flexible-fabric sleeve seal or a gasketed cover?	60.112b(a)(1)(viii) **OK for columns**		
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**		
	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**		
	Shall there be no holes, tears, or openings in the IFR seals?	60.113b(a)(1), (2), &(4) **REQUIRED**		
	Is there to be no liquid on the internal floating roof?	60.113b(a)(2) **REQUIRED**		
	Tank Top Visual Inspections (of IFR/CFR from manways and hatches of the fixed roof):	60.113b(a)(2) **annually after initial fill**		
	IFRT REPAIRS: Time allowed for repair of defects found during in-service inspections:	60.113b(a)(2) **make repairs within 45 days**		
	IFRT REPAIRS: If unable to repair, empty the tank & remove from service?	60.113b(a)(2) **YES, within 45 days**		
	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** *		

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

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	Periodic Reports: IFR/CFR report to include prior request for 30-day extension, w/ documentation of need?	60.113b(a)(2) **required** *		
	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** *		
	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**		
	IFRT REPAIRS: Repair of defects if the tank is empty?	60.113b(a)(4) **prior to refilling**		
	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**		
60.115b	**Recordkeeping for inspections:** Keep inspection reports as specified.	60.115b **Keep for 2 years**		
60.115b(a)	IFRT report to include:	60.115b(a)(1) **description of control equipment**		
	Records of IFR & CFR inspection reports:	60.115b(a)(2) **all IFR inspections**		
	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)**		
	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**		

Table IV – CF 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 for 2 years**		
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**		
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**		
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**		
NSPS Subpart A	**New Source Performance Standards GENERAL PROVISIONS**			
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**		
	Report (document) having initially achieved compliance?	60.7(a)(3) 60.115b(a)(1) & (b)(1) **within 15 days after initial fill**		
	Notification of Compliance Status report:	60.7(a)(3) [cf. 60.115b(a)(1)&(b)(1)] **notification within 15 days after startup**		
	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**		
60.7(f)	**General recordkeeping requirements:** Time period for keeping records, unless specified otherwise.	60.7(f) **Keep all reports & notifications for 2 years**		

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

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	General recordkeeping requirements: Keep all reports and notification for the specified period of time.	60.7(f) **required**		
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)**		
BAAQMD Condition # 10525	**Permit Conditions**			

Table IV – CG Cluster 24
Source-specific Applicable Requirements
S280 – Tank A-280, S311 – Tank A-311, S312 – Tank A-312, 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 REQUIREMENTS FOR INTERNAL FLOATING ROOF TANKS**			
111	**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?	111 **Yes, but only allowed for stock change, tank cleaning, or repairs, & requires written notice**		
	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?	111.1 **not required, but 3-day notice is required prior to removing tank from service**		
311	**IFR Rim Seals:**			
	vapor-mounted primary seal:	311.2, 320.1 * **OK with rim-mounted secondary**		
	liquid-mounted primary seal:	**OK alone**		
	mechanical-shoe primary seal:	**OK alone**		
320	IFR deck openings other than for vents to project into liquid?	320.2.1, 4.1 & 5.1 **REQUIRED**		
	IFR vents to be gasketed?	320.2.2 **REQUIRED**		
	IFR well covers to be gasketed?	320.2.2 & 4.2 **REQUIRED**		
	Deck openings (wells) other than for vents, drains, or legs to have covers that are kept closed except for access?	320.2.2, 2.3 & 4.2 **maximum gap = 1/8 in. (& drains not exempt) if inaccessible, no gaps are to be visible from the fixed roof manway**		
	IFR rim space vents to remain closed except when the pressure setting is exceeded?	320.3 **REQUIRED** *		
	IFR auto. bleeder vent (vacuum breaker) to be closed except when the deck is landed?	320.3 **REQUIRED** *		

Table IV – CG Cluster 24
Source-specific Applicable Requirements
S280 – Tank A-280, S311 – Tank A-311, S312 – Tank A-312, S314 – Tank A-314

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	IFR guidepole & column wells allowed a flexible-fabric sleeve seal or a gasketed cover?	320.4.2 **maximum gap = 1/8 in.**		
	IFRT slotted guidepoles to havea deck cover gasket and pole wiper, and either an internal float or a pole sleeve?	320.5.2 **Float/Sleeve Not Required**		
321	Are there to be no IFR rim seal gaps that are visible from the tank top?	321 & 322 **if installed after 2/1/93, requires the same gap criteria as for EFRs** * *		
	Shall there be no holes, tears, or openings in the IFR seals?	321.1 & 322.1 **YES**		
	Is the metallic shoe of an IFR mechanical-shoe seal required to have its bottom in the liquid and extend at least 24 in. above the liquid?	321.3 **IFR shoe to extend 18 in. above the liquid**		
328	Temporary exemption from operating requirements while the internal floating roof is landed on its support legs? *	328 & 329 **exempt per 111, but 328 & 329 impose restrictions on tank cleaning & on activities commenced on excess ozone days**		
330	Is there to be no liquid on the internal floating roof?	330 **at least 3 viewports required, but no specific prohibition on liquid on the IFR**		
401	**IFR/CFR Internal Inspections:** (up close visual inspection of the floating roof, seals, & fittings):	401 & 402 **every 10 years**		
403	**Tank Top Visual Inspections** (of IFR/CFR from manways and hatches of the fixed roof):	403 **annually**		
404	**Notification of Compliance Status report:**	404 **certification to be submitted upon installation for floating-roof rim seals**		
	IFRT report to include:	404 **seal gap measurements (if applicable)**		
	Periodic Reports: Miscellaneous additional info to report:	404.3 **annual certification of tank degassing equipment**		

Table IV – CG Cluster 24
Source-specific Applicable Requirements
S280 – Tank A-280, S311 – Tank A-311, S312 – Tank A-312, S314 – Tank A-314

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
405	**Periodic Reports:** Report of IFR/CFR inspection failures to include:	405 **date of inspection, actual seal gap data, & determination of compliance** *		
501	**Applicability records:** Additional recordkeeping requirements for certain tanks.	501 **type of liquid stored & its TVP, for all nonexempt tanks** *		
602	**True vapor pressure (TVP) determination for applicability:**	602 or 604 **based on maximum (instantaneous) tank storage temperature**		
Refinery MACT	**NESHAP for Petroleum Refineries** **REQUIREMENTS FOR TANKS ALSO SUBJECT TO NSPS Kb**			
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**		
	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**		
	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**		
	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**		
	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**		
	Does Refinery MACT provide for waiving the NSPS Kb prior-request requirement for extensions of time?	63.640(n)(8)(iii) **YES**		
	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**		
	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**		

Table IV – CG Cluster 24
Source-specific Applicable Requirements
S280 – Tank A-280, S311 – Tank A-311, S312 – Tank A-312, S314 – Tank A-314

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**		
NSPS Subpart Kb	**Volatile Organic Liquid Storage Vessels** **REQUIREMENTS FOR INTERNAL FLOATING ROOF TANKS**			
60.112b(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?	60.112b(a)(1)(i) **YES**		
	Temporary exemption from operating requirements while the internal floating roof is landed on its support legs? *	60.112b(a)(1)(i) **EXEMPT**		
	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**		
	Must IFR vapor-mounted rim seals be continuous?	60.112b(a)(1)(ii)(B) **REQUIRED**		
	IFR deck openings other than for vents to project into liquid?	60.112b(a)(1)(iii) **REQUIRED**		
	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**		
	IFR access hatch & gauge float well covers to be bolted closed?	60.112b(a)(1)(iv) **REQUIRED**		
	IFR well covers to be gasketed?	60.112b(a)(1)(iv) & (ix) **REQUIRED**		
	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)		
	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)		

Table IV – CG Cluster 24
Source-specific Applicable Requirements
S280 – Tank A-280, S311 – Tank A-311, S312 – Tank A-312, S314 – Tank A-314

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**		
	IFR vents to be gasketed?	60.112b(a)(1)(v) & (vi) **REQUIRED**		
	IFR rim space vents to remain closed except when the pressure setting is exceeded?	60.112b(a)(1)(vi) **REQUIRED**		
	IFR sample penetration to be a sample well with a slit-fabric seal over 90% of the opening?	60.112b(a)(1)(vii) **REQUIRED**		
	IFR guidepole & column wells allowed a flexible-fabric sleeve seal or a gasketed cover?	60.112b(a)(1)(viii) **OK for columns**		
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**		
	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**		
	Shall there be no holes, tears, or openings in the IFR seals?	60.113b(a)(1), (2), &(4) **REQUIRED**		
	Is there to be no liquid on the internal floating roof?	60.113b(a)(2) **REQUIRED**		
	Tank Top Visual Inspections (of IFR/CFR from manways and hatches of the fixed roof):	60.113b(a)(2) **annually after initial fill**		
	IFRT REPAIRS: Time allowed for repair of defects found during in-service inspections:	60.113b(a)(2) **make repairs within 45 days**		
	IFRT REPAIRS: If unable to repair, empty the tank & remove from service?	60.113b(a)(2) **YES, within 45 days**		
	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** *		
	Periodic Reports: IFR/CFR report to include prior request for 30-day extension, w/ documentation of need?	60.113b(a)(2) **required** *		

Table IV – CG Cluster 24
Source-specific Applicable Requirements
S280 – Tank A-280, S311 – Tank A-311, S312 – Tank A-312, S314 – Tank A-314

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	Periodic Reports: Additional information to be included if an extension is utilized for an IFR/CFR:	60.113b(a)(2) **document the reason for the extension** *		
	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**		
	IFRT REPAIRS: Repair of defects if the tank is empty?	60.113b(a)(4) **prior to refilling**		
	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**		
60.115b	**Recordkeeping for inspections:** Keep inspection reports as specified.	60.115b **Keep for 2 years**		
60.115b(a)	IFRT report to include:	60.115b(a)(1) **description of control equipment**		
	Records of IFR & CFR inspection reports:	60.115b(a)(2) **all IFR inspections**		
	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)**		
	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**		
60.116b(a)	**Applicability records:** Time period for keeping records of applicability determination, unless specified otherwise.	60.116b(a) **Keep for 2 years**		
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**		

Table IV – CG Cluster 24
Source-specific Applicable Requirements
S280 – Tank A-280, S311 – Tank A-311, S312 – Tank A-312, S314 – Tank A-314

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
60.116b(c)	**Applicability records:** Additional recordkeeping requirements for certain tanks.	60.116b(c) **identification & TVP of the stored product, if capacity ≥ 20,000 gallons. and TVP ≥ 2.2, OR capacity ≥ 40,000 gallons. and TVP ≥ 0.51 Keep record as long as the tank is in that service**		
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**		
NSPS Subpart A	**New Source Performance Standards GENERAL PROVISIONS**			
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**		
	Report (document) having initially achieved compliance?	60.7(a)(3) 60.115b(a)(1) & (b)(1) **within 15 days after initial fill**		
	Notification of Compliance Status report:	60.7(a)(3) [cf. 60.115b(a)(1)&(b)(1)] **notification within 15 days after startup**		
	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**		
60.7(f)	**General recordkeeping requirements:** Time period for keeping records, unless specified otherwise.	60.7(f) **Keep all reports & notifications for 2 years**		
	General recordkeeping requirements: Keep all reports and notification for the specified period of time.	60.7(f) **required**		
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)**		

Table IV – CG Cluster 24
Source-specific Applicable Requirements
S280 – Tank A-280, S311 – Tank A-311, S312 – Tank A-312, S314 – Tank A-314

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Condition # 11896	**Permit Conditions**		

Table IV – CH 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 REQUIREMENTS FOR INTERNAL FLOATING ROOF TANKS**			
111	**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?	111 **Yes, but only allowed for stock change, tank cleaning, or repairs, & requires written notice**		
	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?	111.1 **not required, but 3-day notice is required prior to removing tank from service**		
311	**IFR Rim Seals:** vapor-mounted primary seal:	311.2, 320.1 * **OK with rim-mounted secondary**		
	liquid-mounted primary seal:	**OK alone**		
	mechanical-shoe primary seal:	**OK alone**		
320	IFR deck openings other than for vents to project into liquid?	320.2.1, 4.1 & 5.1 **REQUIRED**		
	IFR vents to be gasketed?	320.2.2 **REQUIRED**		
	IFR well covers to be gasketed?	320.2.2 & 4.2 **REQUIRED**		
	Deck openings (wells) other than for vents, drains, or legs to have covers that are kept closed except for access?	320.2.2, 2.3 & 4.2 **maximum gap = 1/8 in. (& drains not exempt) if inaccessible, no gaps are to be visible from the fixed roof manway**		
	IFR rim space vents to remain closed except when the pressure setting is exceeded?	320.3 **REQUIRED** *		
	IFR auto. bleeder vent (vacuum breaker) to be closed except when the deck is landed?	320.3 **REQUIRED** *		

Table IV – CH 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
	IFR guidepole & column wells allowed a flexible-fabric sleeve seal or a gasketed cover?	320.4.2 **maximum gap = 1/8 in.**		
	IFRT slotted guidepoles to have a deck cover gasket and pole wiper, and either an internal float or a pole sleeve?	320.5.2 **Float/Sleeve Not Required**		
321	Are there to be no IFR rim seal gaps that are visible from the tank top?	321 & 322 **if installed after 2/1/93, requires the same gap criteria as for EFRs** * *		
	Shall there be no holes, tears, or openings in the IFR seals?	321.1 & 322.1 **YES**		
	Is the metallic shoe of an IFR mechanical-shoe seal required to have its bottom in the liquid and extend at least 24 in. above the liquid?	321.3 **IFR shoe to extend 18 in. above the liquid**		
328	Temporary exemption from operating requirements while the internal floating roof is landed on its support legs? *	328 & 329 **exempt per 111, but 328 & 329 impose restrictions on tank cleaning & on activities commenced on excess ozone days**		
330	Is there to be no liquid on the internal floating roof?	330 **at least 3 viewports required, but no specific prohibition on liquid on the IFR**		
401	**IFR/CFR Internal Inspections:** (up close visual inspection of the floating roof, seals, & fittings):	401 & 402 **every 10 years**		
403	**Tank Top Visual Inspections** (of IFR/CFR from manways and hatches of the fixed roof):	403 **annually**		
404	**Notification of Compliance Status report:**	404 **certification to be submitted upon installation for floating-roof rim seals**		
	IFRT report to include:	404 **seal gap measurements (if applicable)**		
	Periodic Reports: Miscellaneous additional info to report:	404.3 **annual certification of tank degassing equipment**		

Table IV – CH 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
405	**Periodic Reports:** Report of IFR/CFR inspection failures to include:	405 **date of inspection, actual seal gap data, & determination of compliance** *		
501	**Applicability records:** Additional recordkeeping requirements for certain tanks.	501 **type of liquid stored & its TVP, for all nonexempt tanks** *		
602	**True vapor pressure (TVP) determination for applicability:**	602 or 604 **based on maximum (instantaneous) tank storage temperature**		
Refinery MACT	**NESHAP for Petroleum Refineries** **REQUIREMENTS FOR TANKS ALSO SUBJECT TO NSPS Kb**			
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**		
	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**		
	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**		
	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**		
	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**		
	Does Refinery MACT provide for waiving the NSPS Kb prior-request requirement for extensions of time?	63.640(n)(8)(iii) **YES**		
	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**		
	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**		

Table IV – CH 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 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**		
NSPS Subpart Kb	**Volatile Organic Liquid Storage Vessels** **REQUIREMENTS FOR INTERNAL FLOATING ROOF TANKS**			
60.112b(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?	60.112b(a)(1)(i) **YES**		
	Temporary exemption from operating requirements while the internal floating roof is landed on its support legs? *	60.112b(a)(1)(i) **EXEMPT**		
	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**		
	Must IFR vapor-mounted rim seals be continuous?	60.112b(a)(1)(ii)(B) **REQUIRED**		
	IFR deck openings other than for vents to project into liquid?	60.112b(a)(1)(iii) **REQUIRED**		
	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**		
	IFR access hatch & gauge float well covers to be bolted closed?	60.112b(a)(1)(iv) **REQUIRED**		
	IFR well covers to be gasketed?	60.112b(a)(1)(iv) & (ix) **REQUIRED**		
	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)		
	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)		

Table IV – CH 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
	IFR auto. bleeder vent (vacuum breaker) to be closed except when the deck is landed?	60.112b(a)(1)(v) **REQUIRED**		
	IFR vents to be gasketed?	60.112b(a)(1)(v) & (vi) **REQUIRED**		
	IFR rim space vents to remain closed except when the pressure setting is exceeded?	60.112b(a)(1)(vi) **REQUIRED**		
	IFR sample penetration to be a sample well with a slit-fabric seal over 90% of the opening?	60.112b(a)(1)(vii) **REQUIRED**		
	IFR guidepole & column wells allowed a flexible-fabric sleeve seal or a gasketed cover?	60.112b(a)(1)(viii) **OK for columns**		
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**		
	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**		
	Shall there be no holes, tears, or openings in the IFR seals?	60.113b(a)(1), (2), &(4) **REQUIRED**		
	Is there to be no liquid on the internal floating roof?	60.113b(a)(2) **REQUIRED**		
	Tank Top Visual Inspections (of IFR/CFR from manways and hatches of the fixed roof):	60.113b(a)(2) **annually after initial fill**		
	IFRT REPAIRS: Time allowed for repair of defects found during in-service inspections:	60.113b(a)(2) **make repairs within 45 days**		
	IFRT REPAIRS: If unable to repair, empty the tank & remove from service?	60.113b(a)(2) **YES, within 45 days**		
	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** *		
	Periodic Reports: IFR/CFR report to include prior request for 30-day extension, w/ documentation of need?	60.113b(a)(2) **required** *		

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

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	Periodic Reports: Additional information to be included if an extension is utilized for an IFR/CFR:	60.113b(a)(2) **document the reason for the extension** *		
	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**		
	IFRT REPAIRS: Repair of defects if the tank is empty?	60.113b(a)(4) **prior to refilling**		
	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**		
60.115b	**Recordkeeping for inspections:** Keep inspection reports as specified.	60.115b **Keep for 2 years**		
60.115b(a)	IFRT report to include:	60.115b(a)(1) **description of control equipment**		
	Records of IFR & CFR inspection reports:	60.115b(a)(2) **all IFR inspections**		
	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)**		
	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**		
60.116b(a)	**Applicability records:** Time period for keeping records of applicability determination, unless specified otherwise.	60.116b(a) **Keep for 2 years**		
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**		

Table IV – CH 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
60.116b(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**		
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**		
NSPS Subpart A	**New Source Performance Standards GENERAL PROVISIONS**			
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**		
	Report (document) having initially achieved compliance?	60.7(a)(3) 60.115b(a)(1) & (b)(1) **within 15 days after initial fill**		
	Notification of Compliance Status report:	60.7(a)(3) [cf. 60.115b(a)(1)&(b)(1)] **notification within 15 days after startup**		
	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**		
60.7(f)	**General recordkeeping requirements:** Time period for keeping records, unless specified otherwise.	60.7(f) **Keep all reports & notifications for 2 years**		
	General recordkeeping requirements: Keep all reports and notification for the specified period of time.	60.7(f) **required**		
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)**		

Table IV – CH 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 Condition # 12368	**Permit Conditions**		

Table IV – CI 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 REQUIREMENTS FOR INTERNAL FLOATING ROOF TANKS**			
111	**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?	111 **Yes, but only allowed for stock change, tank cleaning, or repairs, & requires written notice**		
	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?	111.1 **not required, but 3-day notice is required prior to removing tank from service**		
311	**IFR Rim Seals:**			
	vapor-mounted primary seal:	311.2, 320.1 * **OK with rim-mounted secondary**		
	liquid-mounted primary seal:	**OK alone**		
	mechanical-shoe primary seal:	**OK alone**		
320	IFR deck openings other than for vents to project into liquid?	320.2.1, 4.1 & 5.1 **REQUIRED**		
	IFR vents to be gasketed?	320.2.2 **REQUIRED**		
	IFR well covers to be gasketed?	320.2.2 & 4.2 **REQUIRED**		
	Deck openings (wells) other than for vents, drains, or legs to have covers that are kept closed except for access?	320.2.2, 2.3 & 4.2 **maximum gap = 1/8 in. (& drains not exempt) if inaccessible, no gaps are to be visible from the fixed roof manway**		
	IFR rim space vents to remain closed except when the pressure setting is exceeded?	320.3 **REQUIRED** *		
	IFR auto. bleeder vent (vacuum breaker) to be closed except when the deck is landed?	320.3 **REQUIRED** *		

Table IV – CI 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 guidepole & column wells allowed a flexible-fabric sleeve seal or a gasketed cover?	320.4.2 **maximum gap = 1/8 in.**		
	IFRT slotted guidepoles to have a deck cover gasket and pole wiper, and either an internal float or a pole sleeve?	320.5.2 **Float/Sleeve Not Required**		
321	Are there to be no IFR rim seal gaps that are visible from the tank top?	321 & 322 **if installed after 2/1/93, requires the same gap criteria as for EFRs** * *		
	Shall there be no holes, tears, or openings in the IFR seals?	321.1 & 322.1 **YES**		
	Is the metallic shoe of an IFR mechanical-shoe seal required to have its bottom in the liquid and extend at least 24 in. above the liquid?	321.3 **IFR shoe to extend 18 in. above the liquid**		
328	Temporary exemption from operating requirements while the internal floating roof is landed on its support legs? *	328 & 329 **exempt per 111, but 328 & 329 impose restrictions on tank cleaning & on activities commenced on excess ozone days**		
330	Is there to be no liquid on the internal floating roof?	330 **at least 3 viewports required, but no specific prohibition on liquid on the IFR**		
401	**IFR/CFR Internal Inspections:** (up close visual inspection of the floating roof, seals, & fittings):	401 & 402 **every 10 years**		
403	**Tank Top Visual Inspections** (of IFR/CFR from manways and hatches of the fixed roof):	403 **annually**		
404	**Notification of Compliance Status report:**	404 **certification to be submitted upon installation for floating-roof rim seals**		
	IFRT report to include:	404 **seal gap measurements (if applicable)**		
	Periodic Reports: Miscellaneous additional info to report:	404.3 **annual certification of tank degassing equipment**		

Table IV – CI 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
405	**Periodic Reports:** Report of IFR/CFR inspection failures to include:	405 **date of inspection, actual seal gap data, & determination of compliance** *		
501	**Applicability records:** Additional recordkeeping requirements for certain tanks.	501 **type of liquid stored & its TVP, for all nonexempt tanks** *		
602	**True vapor pressure (TVP) determination for applicability:**	602 or 604 **based on maximum (instantaneous) tank storage temperature**		
Refinery MACT	**NESHAP for Petroleum Refineries** **REQUIREMENTS FOR TANKS ALSO SUBJECT TO NSPS Kb**			
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**		
	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**		
	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**		
	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**		
	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**		
	Does Refinery MACT provide for waiving the NSPS Kb prior-request requirement for extensions of time?	63.640(n)(8)(iii) **YES**		
	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**		
	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**		

Table IV – CI 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 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**		
NSPS Subpart Kb	**Volatile Organic Liquid Storage Vessels** **REQUIREMENTS FOR INTERNAL FLOATING ROOF TANKS**			
60.112b(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?	60.112b(a)(1)(i) **YES**		
	Temporary exemption from operating requirements while the internal floating roof is landed on its support legs? *	60.112b(a)(1)(i) **EXEMPT**		
	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**		
	Must IFR vapor-mounted rim seals be continuous?	60.112b(a)(1)(ii)(B) **REQUIRED**		
	IFR deck openings other than for vents to project into liquid?	60.112b(a)(1)(iii) **REQUIRED**		
	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**		
	IFR access hatch & gauge float well covers to be bolted closed?	60.112b(a)(1)(iv) **REQUIRED**		
	IFR well covers to be gasketed?	60.112b(a)(1)(iv) & (ix) **REQUIRED**		
	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)		
	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)		

Table IV – CI 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 auto. bleeder vent (vacuum breaker) to be closed except when the deck is landed?	60.112b(a)(1)(v) **REQUIRED**		
	IFR vents to be gasketed?	60.112b(a)(1)(v) & (vi) **REQUIRED**		
	IFR rim space vents to remain closed except when the pressure setting is exceeded?	60.112b(a)(1)(vi) **REQUIRED**		
	IFR sample penetration to be a sample well with a slit-fabric seal over 90% of the opening?	60.112b(a)(1)(vii) **REQUIRED**		
	IFR guidepole & column wells allowed a flexible-fabric sleeve seal or a gasketed cover?	60.112b(a)(1)(viii) **OK for columns**		
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**		
	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**		
	Shall there be no holes, tears, or openings in the IFR seals?	60.113b(a)(1), (2), &(4) **REQUIRED**		
	Is there to be no liquid on the internal floating roof?	60.113b(a)(2) **REQUIRED**		
	Tank Top Visual Inspections (of IFR/CFR from manways and hatches of the fixed roof):	60.113b(a)(2) **annually after initial fill**		
	IFRT REPAIRS: Time allowed for repair of defects found during in-service inspections:	60.113b(a)(2) **make repairs within 45 days**		
	IFRT REPAIRS: If unable to repair, empty the tank & remove from service?	60.113b(a)(2) **YES, within 45 days**		
	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** *		
	Periodic Reports: IFR/CFR report to include prior request for 30-day extension, w/ documentation of need?	60.113b(a)(2) **required** *		

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

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	Periodic Reports: Additional information to be included if an extension is utilized for an IFR/CFR:	60.113b(a)(2) **document the reason for the extension** *		
	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**		
	IFRT REPAIRS: Repair of defects if the tank is empty?	60.113b(a)(4) **prior to refilling**		
	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**		
60.115b	**Recordkeeping for inspections:** Keep inspection reports as specified.	60.115b **Keep for 2 years**		
60.115b(a)	IFRT report to include:	60.115b(a)(1) **description of control equipment**		
	Records of IFR & CFR inspection reports:	60.115b(a)(2) **all IFR inspections**		
	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)**		
	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**		
60.116b(a)	**Applicability records:** Time period for keeping records of applicability determination, unless specified otherwise.	60.116b(a) **Keep for 2 years**		
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**		

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

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
60.116b(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**		
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**		
NSPS Subpart A	**New Source Performance Standards GENERAL PROVISIONS**			
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**		
	Report (document) having initially achieved compliance?	60.7(a)(3) 60.115b(a)(1) & (b)(1) **within 15 days after initial fill**		
	Notification of Compliance Status report:	60.7(a)(3) [cf. 60.115b(a)(1)&(b)(1)] **notification within 15 days after startup**		
	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**		
60.7(f)	**General recordkeeping requirements:** Time period for keeping records, unless specified otherwise.	60.7(f) **Keep all reports & notifications for 2 years**		
	General recordkeeping requirements: Keep all reports and notification for the specified period of time.	60.7(f) **required**		
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)**		

Table IV – CJ 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 REQUIREMENTS FOR INTERNAL FLOATING ROOF TANKS**			
111	**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?	111 **Yes, but only allowed for stock change, tank cleaning, or repairs, & requires written notice**		
	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?	111.1 **not required, but 3-day notice is required prior to removing tank from service**		
311	**IFR Rim Seals:**			
	vapor-mounted primary seal:	311.2, 320.1 * **OK with rim-mounted secondary**		
	liquid-mounted primary seal:	**OK alone**		
	mechanical-shoe primary seal:	**OK alone**		
320	IFR deck openings other than for vents to project into liquid?	320.2.1, 4.1 & 5.1 **REQUIRED**		
	IFR vents to be gasketed?	320.2.2 **REQUIRED**		
	IFR well covers to be gasketed?	320.2.2 & 4.2 **REQUIRED**		
	Deck openings (wells) other than for vents, drains, or legs to have covers that are kept closed except for access?	320.2.2, 2.3 & 4.2 **maximum gap = 1/8 in. (& drains not exempt) if inaccessible, no gaps are to be visible from the fixed roof manway**		
	IFR rim space vents to remain closed except when the pressure setting is exceeded?	320.3 **REQUIRED** *		
	IFR auto. bleeder vent (vacuum breaker) to be closed except when the deck is landed?	320.3 **REQUIRED** *		

Table IV – CJ 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 guidepole & column wells allowed a flexible-fabric sleeve seal or a gasketed cover?	320.4.2 **maximum gap = 1/8 in.**		
	IFRT slotted guidepoles to have a deck cover gasket and pole wiper, and either an internal float or a pole sleeve?	320.5.2 **Float/Sleeve** **Not Required**		
321	Are there to be no IFR rim seal gaps that are visible from the tank top?	321 & 322 **if installed after 2/1/93, requires the same gap criteria as for EFRs** *		
	Shall there be no holes, tears, or openings in the IFR seals?	321.1 & 322.1 **YES**		
	Is the metallic shoe of an IFR mechanical-shoe seal required to have its bottom in the liquid and extend at least 24 in. above the liquid?	321.3 **IFR shoe to extend 18 in. above the liquid**		
328	Temporary exemption from operating requirements while the internal floating roof is landed on its support legs? *	328 & 329 **exempt per 111, but 328 & 329 impose restrictions on tank cleaning & on activities commenced on excess ozone days**		
330	Is there to be no liquid on the internal floating roof?	330 **at least 3 viewports required, but no specific prohibition on liquid on the IFR**		
401	**IFR/CFR Internal Inspections:** (up close visual inspection of the floating roof, seals, & fittings):	401 & 402 **every 10 years**		
403	**Tank Top Visual Inspections** (of IFR/CFR from manways and hatches of the fixed roof):	403 **annually**		
404	**Notification of Compliance Status report:**	404 **certification to be submitted upon installation for floating-roof rim seals**		
	IFRT report to include:	404 **seal gap measurements (if applicable)**		
	Periodic Reports: Miscellaneous additional info to report:	404.3 **annual certification of tank degassing equipment**		

Table IV – CJ 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
405	**Periodic Reports:** Report of IFR/CFR inspection failures to include:	405 **date of inspection, actual seal gap data, & determination of compliance** *		
501	**Applicability records:** Additional recordkeeping requirements for certain tanks.	501 **type of liquid stored & its TVP, for all nonexempt tanks** *		
602	**True vapor pressure (TVP) determination for applicability:**	602 or 604 **based on maximum (instantaneous) tank storage temperature**		
Refinery MACT	**NESHAP for Petroleum Refineries** **REQUIREMENTS FOR TANKS ALSO SUBJECT TO NSPS Kb**			
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**		
	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**		
	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**		
	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**		
	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**		
	Does Refinery MACT provide for waiving the NSPS Kb prior-request requirement for extensions of time?	63.640(n)(8)(iii) **YES**		
	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**		
	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**		

Table IV – CJ 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**		
NSPS Subpart Kb	**Volatile Organic Liquid Storage Vessels** **REQUIREMENTS FOR INTERNAL FLOATING ROOF TANKS**			
60.112b(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?	60.112b(a)(1)(i) **YES**		
	Temporary exemption from operating requirements while the internal floating roof is landed on its support legs? *	60.112b(a)(1)(i) **EXEMPT**		
	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**		
	Must IFR vapor-mounted rim seals be continuous?	60.112b(a)(1)(ii)(B) **REQUIRED**		
	IFR deck openings other than for vents to project into liquid?	60.112b(a)(1)(iii) **REQUIRED**		
	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**		
	IFR access hatch & gauge float well covers to be bolted closed?	60.112b(a)(1)(iv) **REQUIRED**		
	IFR well covers to be gasketed?	60.112b(a)(1)(iv) & (ix) **REQUIRED**		
	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)		
	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)		

Table IV – CJ 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**		
	IFR vents to be gasketed?	60.112b(a)(1)(v) & (vi) **REQUIRED**		
	IFR rim space vents to remain closed except when the pressure setting is exceeded?	60.112b(a)(1)(vi) **REQUIRED**		
	IFR sample penetration to be a sample well with a slit-fabric seal over 90% of the opening?	60.112b(a)(1)(vii) **REQUIRED**		
	IFR guidepole & column wells allowed a flexible-fabric sleeve seal or a gasketed cover?	60.112b(a)(1)(viii) **OK for columns**		
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**		
	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**		
	Shall there be no holes, tears, or openings in the IFR seals?	60.113b(a)(1), (2), &(4) **REQUIRED**		
	Is there to be no liquid on the internal floating roof?	60.113b(a)(2) **REQUIRED**		
	Tank Top Visual Inspections (of IFR/CFR from manways and hatches of the fixed roof):	60.113b(a)(2) **annually after initial fill**		
	IFRT REPAIRS: Time allowed for repair of defects found during in-service inspections:	60.113b(a)(2) **make repairs within 45 days**		
	IFRT REPAIRS: If unable to repair, empty the tank & remove from service?	60.113b(a)(2) **YES, within 45 days**		
	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** *		
	Periodic Reports: IFR/CFR report to include prior request for 30-day extension, w/ documentation of need?	60.113b(a)(2) **required** *		

Table IV – CJ 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: Additional information to be included if an extension is utilized for an IFR/CFR:	60.113b(a)(2) **document the reason for the extension** *		
	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**		
	IFRT REPAIRS: Repair of defects if the tank is empty?	60.113b(a)(4) **prior to refilling**		
	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**		
60.115b	**Recordkeeping for inspections:** Keep inspection reports as specified.	60.115b **Keep for 2 years**		
60.115b(a)	IFRT report to include:	60.115b(a)(1) **description of control equipment**		
	Records of IFR & CFR inspection reports:	60.115b(a)(2) **all IFR inspections**		
	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)**		
	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**		
60.116b(a)	**Applicability records:** Time period for keeping records of applicability determination, unless specified otherwise.	60.116b(a) **Keep for 2 years**		
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**		

Table IV – CJ 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(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**		
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**		
NSPS Subpart A	**New Source Performance Standards GENERAL PROVISIONS**			
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**		
	Report (document) having initially achieved compliance?	60.7(a)(3) 60.115b(a)(1) & (b)(1) **within 15 days after initial fill**		
	Notification of Compliance Status report:	60.7(a)(3) [cf. 60.115b(a)(1)&(b)(1)] **notification within 15 days after startup**		
	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**		
60.7(f)	**General recordkeeping requirements:** Time period for keeping records, unless specified otherwise.	60.7(f) **Keep all reports & notifications for 2 years**		
	General recordkeeping requirements: Keep all reports and notification for the specified period of time.	60.7(f) **required**		
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)**		
NESHAP 40 CFR 61	**National Emission Standard for Benzene Waste Operations (3/7/90)**		**Y**	

Table IV – CJ 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
Subpart FF			
61.342	Standards: General	Y	
61.342(a)	exemption for facilities with less than 10 Mg/yr of benzene in waste from 61.342(b) and 61.342(c)	Y	
61.342(b)	facilities with 10 Mg/yr or more of benzene in waste shall comply with 61.342(c) through 61.342(h)	Y	
61.342(c)	for facilities with 10 Mg/yr or more of benzene in waste:	Y	
61.342(c)(1)	benzene-containing streams shall be treated in accordance with 61.342(c)(1)(i), 61.342(c)(1)(ii) and 61.342(c)(1)(iii), UNLESS it is demonstrated that weighted average benzene concentration is less than 10 ppmw [61.342(c)(2)], OR the stream contains process wastewater with a flowrate less than 0.02 l/min or an annual throughput of less than 10 Mg/yr [61.342(c)(3)(i)], OR the low-flow exemption in 61.342(c)(3)(i) is not used, no more than 2.0 Mg/yr of total benzene throughput is exempted from treatment, and the benzene throughput in each exempted stream is quantified each year [61.342(c)(3)(ii)]	Y	
61.342(c)(1)(i)	remove or destroy benzene in process or wastewater streams in accordance with 61.348	Y	
61.342(c)(1)(ii)	comply with 61.343 through 61.347 for treatment units operated in accordance with 61.342(c)(1)(i)	Y	
61.342(c)(1)(iii)	recycled wastes that have been returned to a process are no longer subject to 61.342(c)	Y	
61.342(d)	alternative to 61.342(c) standards for facilities with 10 Mg/yr or more of benzene in waste:	Y	
61.342(d)(1)	non-process wastewater shall be treated in accordance with 61.342(c)(1)	Y	
61.342(d)(2)	for process wastewater:	Y	
61.342(d)(2)(i)	treat process wastewater such that benzene content is reduced to a total of less than 1 Mg/yr	Y	
61.342(d)(2)	each wastewater stream that is treated in accordance with	Y	

Table IV – CJ 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
(ii)	61.342(d)(2)(i), shall be treated in accordance with 61.342(c)(1)		
61.342(e)	alternative to 61.342(c) and 61.342(d) standards for facilities with 10 Mg/yr or more of benzene in waste:	Y	
61.342(e)(1)	waste with a flow-weighted annual average water content of less than 10% shall be treated in accordance with 61.342(c)(1)	Y	
61.342(e)(2)	for waste with a flow-weighted annual average water content of 10% or more by volume:	Y	
61.342(e)(2)(i)	waste shall not contain more than 6.0 Mg/yr benzene	Y	
61.342(f)	offsite treatment option	Y	
61.343	Standards: Tanks	Y	
61.343(a)(1)	Owner/operator shall install, operate, and maintain a fixed-roof and closed-vent system that routes all organic vapors vented from the tank to a control device.	Y	
61.343(a)(1)(i)	Fixed Roof leak requirements - < 500 ppmv above background, determined initially then annually by method in 61.355(h) of this subpart.	Y	
61.343(a)(1)(ii)	Closed-vent system and control device designed and operated in accordance with 61.349 of this subpart	Y	
61.343(b)	For a tank that meets all of the conditions of paragraph (b)(1), the owner/operator may elect to comply with paragraph (b)(2) as an alternative to the requirements of (a)(1).	Y	
61.343(b)(1)	The waste managed in the tank complying with (b)(2) shall meet all of the following conditions: wastestream managed in the tank must have a flow-weighted annual average water content less than or equal to 10% water, on a volume basis and the waste managed in the tank either: has a maximum organic vapor pressure less than 0.75 psi, or has a maximum organic vapor pressure less than 4.0 psi and is managed in a tank less than 40,000 gallons, or has a maximum organic vapor pressure less than 11.1 psi and is managed in a tank having a design capacity less than 20,000 gallons.	Y	
61.343(b)(2)	Owner/operator shall install, operate, and maintain a fixed roof as specified in paragraph (a)(1)(i).	Y	
61.343(b)(3)	may use devices that vent directly to atmosphere provided the devices are closed, sealed during normal operations except when the device needs to open to prevent damage or deformation of the tank or cover.	Y	

Table IV – CJ 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
61.343(c)	Inspect all fixed-roof, seal, access doors, and all other openings visually initially and quarterly for cracks and gaps and that doors and openings are closed and gasketed properly.	Y	
61.343(d)	When a broken seal or gasket is identified, or when detectable emissions are measured, first efforts at repair shall be made as soon as practicable, but not later than 45 calendar days after identification.	Y	
61.348	Standards: Treatment processes	Y	
61.351	Alternative standards for tanks.	Y	
61.354	Monitoring of operations	Y	
61.354(a)(ii)	process parameters shall be continuously monitored and recorded and inspected at least once per operating day to verify proper operation	Y	
61.355	Test methods, procedures and compliance provisions	Y	
61.355(b)(1)	quantification of annual waste quantity at sour water strippers (including ammonia stills at coke by-product plants) shall be made at the water effluent from the still	Y	
61.355(c)(1)(i)(A)	quantification of flow-weighted annual average benzene concentration (including ammonia stills at coke by-product plants) shall be made at the water effluent from the still	Y	
61.356	Recordkeeping requirements	Y	
61.356(a)	recordkeeping and retention requirements	Y	
61.356(b)	waste stream records	Y	
61.357	Reporting requirements	Y	
61.357(c)	reporting requirements for facilities with less than 10 Mg/yr total benzene in waste	Y	
61.357(d)	reporting requirements for facilities with 10 Mg/yr or more total benzene in waste	Y	
BAAQMD Condition # 7144	**Permit Conditions**		

Table IV – CK Cluster 25
Source-specific Applicable Requirements
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 REQUIREMENTS FOR FIXED ROOF TANK-CONTROL DEVICE**			
207	**Closed vent system** Performance requirements:	207 **as approved by the APCO (criteria not specified)**		
	Control device (other than flare) Compliance demonstration:	207 **device must be approved in writing by the APCO**		
	Control device (flare) Compliance demonstration:	207 **device must be approved in writing by the APCO**		
	Other (initial) Reports: For control device other-than flare?	207 **(submit request for) approval of proposed collection system & control device**		
	Other (initial) Reports: For a flare?	207 **(submit request for) approval of proposed collection system & control device**		
311	**Control device** Performance requirements:	311.3 **at least 95% efficient**		
404	**Periodic Reports:** Miscellaneous additional info to report:	404.3 **annual certification of tank degassing equipment**		
501	**Applicability records:** Additional recordkeeping requirements for certain tanks.	501 **type of liquid stored & its TVP, for all nonexempt tanks** *		
602	**True vapor pressure (TVP) determination for applicability:**	602 or 604 **based on maximum (instantaneous) tank storage temperature**		
Refinery MACT	**NESHAP for Petroleum Refineries REQUIREMENTS FOR TANKS ALSO SUBJECT TO NSPS Kb**			
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**		
	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**		

Table IV – CK Cluster 25
Source-specific Applicable Requirements
S699 – Tank A-699

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	Does Refinery MACT provide for delay of NSPS Kb seal gap measurements due to unsafe conditions?	63.640(n)(8)(ii) **YES – up to 30 days, or empty the tank within 45 days**		
	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**		
	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**		
	Does Refinery MACT provide for waiving the NSPS Kb prior-request requirement for extensions of time?	63.640(n)(8)(iii) **YES**		
	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**		
	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**		
	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**		
NSPS Subpart Kb	**Volatile Organic Liquid Storage Vessels** **REQUIREMENTS FOR FIXED ROOF TANK-CONTROL DEVICE**			
60.112b(a)	**Closed vent system** Performance requirements:	60.112b(a)(3)(i) **no detectable emissions (i.e., < 500 ppm)**		
	Control device Performance requirements:	60.112b(a)(3)(ii) **at least 95% efficient, or a flare per 60.18**		
	Control device (flare) Compliance demonstration:	60.112b(a)(3)(ii) **flare to be designed as specified in 60.18 (c)**		
60.113b(c)	**Control device (other than flare)** Compliance demonstration:	60.113b(c)(1) **operating plan, efficiency demo, & parameter(s) to be monitored**		

Table IV – CK Cluster 25
Source-specific Applicable Requirements
S699 – Tank A-699

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	Other (initial) Reports: For control device other-than flare?	60.113b(c)(1) **submit operating plan for approval, with the initial notification**		
	Control device (other than flare) Operating requirements:	60.113b(c)(2) **operate and monitor per the plan**		
60.113b(d)	**Control device (flare)** Operating requirements:	60.113b(d) **operate per 60.18 (e) & (f)**		
60.115b	**Recordkeeping for inspections:** Keep inspection reports as specified.	60.115b **Keep for 2 years**		
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**		
60.115b(d)	**Other (initial) Reports:** For a flare?	60.115b(d)(1) **submit results of compliance demonstration within 6 months of start-up**		
	Recordkeeping for tanks routed to a flare:	60.115b(d)(2) **periods of operation in which the pilot flame is absent**		
	Periodic Reports: Tanks routed to a flare:	60.115b(d)(3) **semiannual reports of all periods in which the pilot flame was absent**		
60.116b(a)	**Applicability records:** Time period for keeping records of applicability determination, unless specified otherwise.	60.116b(a) **Keep for 2 years**		
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**		
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**		

Table IV – CK Cluster 25
Source-specific Applicable Requirements
S699 – Tank A-699

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
60.116b(e)	**True vapor pressure (TVP) determination for applicability:**	60.116b(e) **maximum TVP of the stored liquid, based on highest calendar month average storage temperature**		
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**		
NSPS Subpart A	**New Source Performance Standards GENERAL PROVISIONS**			
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**		
	Report (document) having initially achieved compliance?	60.7(a)(3) 60.115b(a)(1) & (b)(1) **within 15 days after initial fill**		
	Notification of Compliance Status report:	60.7(a)(3) [cf. 60.115b(a)(1)&(b)(1)] **notification within 15 days after startup**		
	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**		
60.7(f)	**General recordkeeping requirements:** Time period for keeping records, unless specified otherwise.	60.7(f) **Keep all reports & notifications for 2 years**		
	General recordkeeping requirements: Keep all reports and notification for the specified period of time.	60.7(f) **required**		
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)**		
BAAQMD Condition # 3996	**Permit Conditions**			

Table IV – CL 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 REQUIREMENTS FOR FIXED ROOF TANK-CONTROL DEVICE**			
207	**Closed vent system** Performance requirements:	207 **as approved by the APCO (criteria not specified)**		
	Control device (other than flare) Compliance demonstration:	207 **device must be approved in writing by the APCO**		
	Control device (flare) Compliance demonstration:	207 **device must be approved in writing by the APCO**		
	Other (initial) Reports: For control device other-than flare?	207 **(submit request for) approval of proposed collection system & control device**		
	Other (initial) Reports: For a flare?	207 **(submit request for) approval of proposed collection system & control device**		
311	**Control device** Performance requirements:	311.3 **at least 95% efficient**		
404	**Periodic Reports:** Miscellaneous additional info to report:	404.3 **annual certification of tank degassing equipment**		
501	**Applicability records:** Additional recordkeeping requirements for certain tanks.	501 **type of liquid stored & its TVP, for all nonexempt tanks** *		
602	**True vapor pressure (TVP) determination for applicability:**	602 or 604 **based on maximum (instantaneous) tank storage temperature**		
Refinery MACT	**NESHAP for Petroleum Refineries REQUIREMENTS FOR TANKS ALSO SUBJECT TO NSPS Kb**			
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**		
	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**		

Table IV – CL 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
	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**		
	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**		
	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**		
	Does Refinery MACT provide for waiving the NSPS Kb prior-request requirement for extensions of time?	63.640(n)(8)(iii) **YES**		
	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**		
	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**		
	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**		
NSPS Subpart Kb	**Volatile Organic Liquid Storage Vessels** **REQUIREMENTS FOR FIXED ROOF TANK-CONTROL DEVICE**			
60.112b(a)	**Closed vent system** Performance requirements:	60.112b(a)(3)(i) **no detectable emissions (i.e., < 500 ppm)**		
	Control device Performance requirements:	60.112b(a)(3)(ii) **at least 95% efficient, or a flare per 60.18**		
	Control device (flare) Compliance demonstration:	60.112b(a)(3)(ii) **flare to be designed as specified in 60.18 (c)**		
60.113b(c)	**Control device (other than flare)** Compliance demonstration:	60.113b(c)(1) **operating plan, efficiency demo, & parameter(s) to be monitored**		

Table IV – CL 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
	Other (initial) Reports: For control device other-than flare?	60.113b(c)(1) **submit operating plan for approval, with the initial notification**		
	Control device (other than flare) Operating requirements:	60.113b(c)(2) **operate and monitor per the plan**		
60.113b(d)	**Control device (flare)** Operating requirements:	60.113b(d) **operate per 60.18 (e) & (f)**		
60.115b	**Recordkeeping for inspections:** Keep inspection reports as specified.	60.115b **Keep for 2 years**		
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**		
60.115b(d)	**Other (initial) Reports:** For a flare?	60.115b(d)(1) **submit results of compliance demonstration within 6 months of start-up**		
	Recordkeeping for tanks routed to a flare:	60.115b(d)(2) **periods of operation in which the pilot flame is absent**		
	Periodic Reports: Tanks routed to a flare:	60.115b(d)(3) **semiannual reports of all periods in which the pilot flame was absent**		
60.116b(a)	**Applicability records:** Time period for keeping records of applicability determination, unless specified otherwise.	60.116b(a) **Keep for 2 years**		
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**		
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**		

Table IV – CL 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(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**		
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**		
NSPS Subpart A	**New Source Performance Standards GENERAL PROVISIONS**			
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**		
	Report (document) having initially achieved compliance?	60.7(a)(3) 60.115b(a)(1) & (b)(1) **within 15 days after initial fill**		
	Notification of Compliance Status report:	60.7(a)(3) [cf. 60.115b(a)(1)&(b)(1)] **notification within 15 days after startup**		
	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**		
60.7(f)	**General recordkeeping requirements:** Time period for keeping records, unless specified otherwise.	60.7(f) **Keep all reports & notifications for 2 years**		
	General recordkeeping requirements: Keep all reports and notification for the specified period of time.	60.7(f) **required**		
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)**		

Table IV – CM 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 REQUIREMENTS FOR FIXED ROOF TANK-CONTROL DEVICE**			
207	**Closed vent system** Performance requirements:	207 **as approved by the APCO (criteria not specified)**		
	Control device (other than flare) Compliance demonstration:	207 **device must be approved in writing by the APCO**		
	Control device (flare) Compliance demonstration:	207 **device must be approved in writing by the APCO**		
	Other (initial) Reports: For control device other-than flare?	207 **(submit request for) approval of proposed collection system & control device**		
	Other (initial) Reports: For a flare?	207 **(submit request for) approval of proposed collection system & control device**		
311	**Control device** Performance requirements:	311.3 **at least 95% efficient**		
404	**Periodic Reports:** Miscellaneous additional info to report:	404.3 **annual certification of tank degassing equipment**		
501	**Applicability records:** Additional recordkeeping requirements for certain tanks.	501 **type of liquid stored & its TVP, for all nonexempt tanks** *		
602	**True vapor pressure (TVP) determination for applicability:**	602 or 604 **based on maximum (instantaneous) tank storage temperature**		
Refinery MACT	**NESHAP for Petroleum Refineries REQUIREMENTS FOR TANKS ALSO SUBJECT TO NSPS Kb**			
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**		
	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**		

Table IV – CM 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 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**		
	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**		
	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**		
	Does Refinery MACT provide for waiving the NSPS Kb prior-request requirement for extensions of time?	63.640(n)(8)(iii) **YES**		
	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**		
	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**		
	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**		
NSPS Subpart Kb	**Volatile Organic Liquid Storage Vessels** **REQUIREMENTS FOR FIXED ROOF TANK-CONTROL DEVICE**			
60.112b(a)	**Closed vent system** Performance requirements:	60.112b(a)(3)(i) **no detectable emissions (i.e., < 500 ppm)**		
	Control device Performance requirements:	60.112b(a)(3)(ii) **at least 95% efficient, or a flare per 60.18**		
	Control device (flare) Compliance demonstration:	60.112b(a)(3)(ii) **flare to be designed as specified in 60.18 (c)**		
60.113b(c)	**Control device (other than flare)** Compliance demonstration:	60.113b(c)(1) **operating plan, efficiency demo, & parameter(s) to be monitored**		

Table IV – CM 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
	Other (initial) Reports: For control device other-than flare?	60.113b(c)(1) **submit operating plan for approval, with the initial notification**		
	Control device (other than flare) Operating requirements:	60.113b(c)(2) **operate and monitor per the plan**		
60.113b(d)	**Control device (flare)** Operating requirements:	60.113b(d) **operate per 60.18 (e) & (f)**		
60.115b	**Recordkeeping for inspections:** Keep inspection reports as specified.	60.115b **Keep for 2 years**		
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**		
60.115b(d)	**Other (initial) Reports:** For a flare?	60.115b(d)(1) **submit results of compliance demonstration within 6 months of start-up**		
	Recordkeeping for tanks routed to a flare:	60.115b(d)(2) **periods of operation in which the pilot flame is absent**		
	Periodic Reports: Tanks routed to a flare:	60.115b(d)(3) **semiannual reports of all periods in which the pilot flame was absent**		
60.116b(a)	**Applicability records:** Time period for keeping records of applicability determination, unless specified otherwise.	60.116b(a) **Keep for 2 years**		
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**		
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**		

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

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
60.116b(e)	**True vapor pressure (TVP) determination for applicability:**	60.116b(e) **maximum TVP of the stored liquid, based on highest calendar month average storage temperature**		
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**		
NSPS Subpart A	**New Source Performance Standards GENERAL PROVISIONS**			
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**		
	Report (document) having initially achieved compliance?	60.7(a)(3) 60.115b(a)(1) & (b)(1) **within 15 days after initial fill**		
	Notification of Compliance Status report:	60.7(a)(3) [cf. 60.115b(a)(1)&(b)(1)] **notification within 15 days after startup**		
	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**		
60.7(f)	**General recordkeeping requirements:** Time period for keeping records, unless specified otherwise.	60.7(f) **Keep all reports & notifications for 2 years**		
	General recordkeeping requirements: Keep all reports and notification for the specified period of time.	60.7(f) **required**		
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)**		
NESHAP 40 CFR 61 Subpart FF	**National Emission Standard for Benzene Waste Operations (3/7/90)**		**Y**	
61.342	Standards: General		Y	
61.342(a)	exemption for facilities with less than 10 Mg/yr of benzene in waste		Y	

Table IV – CM 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
	from 61.342(b) and 61.342(c)		
61.342(b)	facilities with 10 Mg/yr or more of benzene in waste shall comply with 61.342(c) through 61.342(h)	Y	
61.342(c)	for facilities with 10 Mg/yr or more of benzene in waste:	Y	
61.342(c)(1)	benzene-containing streams shall be treated in accordance with 61.342(c)(1)(i), 61.342(c)(1)(ii) and 61.342(c)(1)(iii), UNLESS it is demonstrated that weighted average benzene concentration is less than 10 ppmw [61.342(c)(2)], OR the stream contains process wastewater with a flowrate less than 0.02 l/min or an annual throughput of less than 10 Mg/yr [61.342(c)(3)(i)], OR the low-flow exemption in 61.342(c)(3)(i) is not used, no more than 2.0 Mg/yr of total benzene throughput is exempted from treatment, and the benzene throughput in each exempted stream is quantified each year [61.342(c)(3)(ii)]	Y	
61.342(c)(1)(i)	remove or destroy benzene in process or wastewater streams in accordance with 61.348	Y	
61.342(c)(1)(ii)	comply with 61.343 through 61.347 for treatment units operated in accordance with 61.342(c)(1)(i)	Y	
61.342(c)(1)(iii)	recycled wastes that have been returned to a process are no longer subject to 61.342(c)	Y	
61.342(d)	alternative to 61.342(c) standards for facilities with 10 Mg/yr or more of benzene in waste:	Y	
61.342(d)(1)	non-process wastewater shall be treated in accordance with 61.342(c)(1)	Y	
61.342(d)(2)	for process wastewater:	Y	
61.342(d)(2)(i)	treat process wastewater such that benzene content is reduced to a total of less than 1 Mg/yr	Y	
61.342(d)(2)(ii)	each wastewater stream that is treated in accordance with 61.342(d)(2)(i), shall be treated in accordance with 61.342(c)(1)	Y	
61.342(e)	alternative to 61.342(c) and 61.342(d) standards for facilities with 10	Y	

Table IV – CM 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
	Mg/yr or more of benzene in waste:		
61.342(e)(1)	waste with a flow-weighted annual average water content of less than 10% shall be treated in accordance with 61.342(c)(1)	Y	
61.342(e)(2)	for waste with a flow-weighted annual average water content of 10% or more by volume:	Y	
61.342(e)(2)(i)	waste shall not contain more than 6.0 Mg/yr benzene	Y	
61.342(f)	offsite treatment option	Y	
61.343	Standards: Tanks	Y	
61.343(a)(1)	Owner/operator shall install, operate, and maintain a fixed-roof and closed-vent system that routes all organic vapors vented from the tank to a control device.	Y	
61.343(a)(1)(i)	Fixed Roof leak requirements - < 500 ppmv above background, determined initially then annually by method in 61.355(h) of this subpart.	Y	
61.343(a)(1)(ii)	Closed-vent system and control device designed and operated in accordance with 61.349 of this subpart	Y	
61.343(b)	For a tank that meets all of the conditions of paragraph (b)(1), the owner/operator may elect to comply with paragraph (b)(2) as an alternative to the requirements of (a)(1).	Y	
61.343(b)(1)	The waste managed in the tank complying with (b)(2) shall meet all of the following conditions: wastestream managed in the tank must have a flow-weighted annual average water content less than or equal to 10% water, on a volume basis and the waste managed in the tank either: has a maximum organic vapor pressure less than 0.75 psi, or has a maximum organic vapor pressure less than 4.0 psi and is managed in a tank less than 40,000 gallons, or has a maximum organic vapor pressure less than 11.1 psi and is managed in a tank having a design capacity less than 20,000 gallons.	Y	
61.343(b)(2)	Owner/operator shall install, operate, and maintain a fixed roof as specified in paragraph (a)(1)(i).	Y	
61.343(b)(3)	may use devices that vent directly to atmosphere provided the devices are closed, sealed during normal operations except when the device needs to open to prevent damage or deformation of the tank or cover.	Y	
61.343(c)	Inspect all fixed-roof, seal, access doors, and all other openings visually initially and quarterly for cracks and gaps and that doors and openings are closed and gasketed properly.	Y	

Table IV – CM 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
61.343(d)	When a broken seal or gasket is identified, or when detectable emissions are measured, first efforts at repair shall be made as soon as practicable, but not later than 45 calendar days after identification.	Y	
61.348	Standards: Treatment processes	Y	
61.351	Alternative standards for tanks.	Y	
61.354	Monitoring of operations	Y	
61.354(a)(ii)	process parameters shall be continuously monitored and recorded and inspected at least once per operating day to verify proper operation	Y	
61.355	Test methods, procedures and compliance provisions	Y	
61.355(b)(1)	quantification of annual waste quantity at sour water strippers (including ammonia stills at coke by-product plants) shall be made at the water effluent from the still	Y	
61.355(c)(1)(i)(A)	quantification of flow-weighted annual average benzene concentration (including ammonia stills at coke by-product plants) shall be made at the water effluent from the still	Y	
61.356	Recordkeeping requirements	Y	
61.356(a)	recordkeeping and retention requirements	Y	
61.356(b)	waste stream records	Y	
61.357	Reporting requirements	Y	
61.357(c)	reporting requirements for facilities with less than 10 Mg/yr total benzene in waste	Y	
61.357(d)	reporting requirements for facilities with 10 Mg/yr or more total benzene in waste	Y	
BAAQMD Condition # 10984	**Permit Conditions**		

Table IV – CN 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 REQUIREMENTS FOR FIXED ROOF TANK-CONTROL DEVICE**			
207	**Closed vent system** Performance requirements:	207 **as approved by the APCO (criteria not specified)**		
	Control device (other than flare) Compliance demonstration:	207 **device must be approved in writing by the APCO**		
	Control device (flare) Compliance demonstration:	207 **device must be approved in writing by the APCO**		
	Other (initial) Reports: For control device other-than flare?	207 **(submit request for) approval of proposed collection system & control device**		
	Other (initial) Reports: For a flare?	207 **(submit request for) approval of proposed collection system & control device**		
311	**Control device** Performance requirements:	311.3 **at least 95% efficient**		
404	**Periodic Reports:** Miscellaneous additional info to report:	404.3 **annual certification of tank degassing equipment**		
501	**Applicability records:** Additional recordkeeping requirements for certain tanks.	501 **type of liquid stored & its TVP, for all nonexempt tanks** *		
602	**True vapor pressure (TVP) determination for applicability:**	602 or 604 **based on maximum (instantaneous) tank storage temperature**		
Refinery MACT	**NESHAP for Petroleum Refineries REQUIREMENTS FOR TANKS ALSO SUBJECT TO NSPS Kb**			
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**		
	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**		

Table IV – CN Cluster 25
Source-specific Applicable Requirements
S513 – Tank A-513

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	Does Refinery MACT provide for delay of NSPS Kb seal gap measurements due to unsafe conditions?	63.640(n)(8)(ii) **YES – up to 30 days, or empty the tank within 45 days**		
	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**		
	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**		
	Does Refinery MACT provide for waiving the NSPS Kb prior-request requirement for extensions of time?	63.640(n)(8)(iii) **YES**		
	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**		
	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**		
	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**		
NSPS Subpart Kb	**Volatile Organic Liquid Storage Vessels REQUIREMENTS FOR FIXED ROOF TANK-CONTROL DEVICE**			
60.112b(a)	**Closed vent system** Performance requirements:	60.112b(a)(3)(i) **no detectable emissions (i.e., < 500 ppm)**		
	Control device Performance requirements:	60.112b(a)(3)(ii) **at least 95% efficient, or a flare per 60.18**		
	Control device (flare) Compliance demonstration:	60.112b(a)(3)(ii) **flare to be designed as specified in 60.18 (c)**		
60.113b(c)	**Control device (other than flare)** Compliance demonstration:	60.113b(c)(1) **operating plan, efficiency demo, & parameter(s) to be monitored**		

Table IV – CN 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
	Other (initial) Reports: For control device other-than flare?	60.113b(c)(1) **submit operating plan for approval, with the initial notification**		
	Control device (other than flare) Operating requirements:	60.113b(c)(2) **operate and monitor per the plan**		
60.113b(d)	**Control device (flare)** Operating requirements:	60.113b(d) **operate per 60.18 (e) & (f)**		
60.115b	**Recordkeeping for inspections:** Keep inspection reports as specified.	60.115b **Keep for 2 years**		
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**		
60.115b(d)	**Other (initial) Reports:** For a flare?	60.115b(d)(1) **submit results of compliance demonstration within 6 months of start-up**		
	Recordkeeping for tanks routed to a flare:	60.115b(d)(2) **periods of operation in which the pilot flame is absent**		
	Periodic Reports: Tanks routed to a flare:	60.115b(d)(3) **semiannual reports of all periods in which the pilot flame was absent**		
60.116b(a)	**Applicability records:** Time period fo r keeping records of applicability determination, unless specified otherwise.	60.116b(a) **Keep for 2 years**		
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**		
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**		

Table IV – CN 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(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**		
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**		
NSPS Subpart A	**New Source Performance Standards GENERAL PROVISIONS**			
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**		
	Report (document) having initially achieved compliance?	60.7(a)(3) 60.115b(a)(1) & (b)(1) **within 15 days after initial fill**		
	Notification of Compliance Status report:	60.7(a)(3) [cf. 60.115b(a)(1)&(b)(1)] **notification within 15 days after startup**		
	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**		
60.7(f)	**General recordkeeping requirements:** Time period for keeping records, unless specified otherwise.	60.7(f) **Keep all reports & notifications for 2 years**		
	General recordkeeping requirements: Keep all reports and notification for the specified period of time.	60.7(f) **required**		
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)**		
NESHAP 40 CFR 61 Subpart FF	**National Emission Standard for Benzene Waste Operations (3/7/90)**		**Y**	
61.342	Standards: General		Y	
61.342(a)	exemption for facilities with less than 10 Mg/yr of benzene in waste		Y	

Table IV – CN 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
	from 61.342(b) and 61.342(c)		
61.342(b)	facilities with 10 Mg/yr or more of benzene in waste shall comply with 61.342(c) through 61.342(h)	Y	
61.342(c)	for facilities with 10 Mg/yr or more of benzene in waste:	Y	
61.342(c)(1)	benzene-containing streams shall be treated in accordance with 61.342(c)(1)(i), 61.342(c)(1)(ii) and 61.342(c)(1)(iii), UNLESS it is demonstrated that weighted average benzene concentration is less than 10 ppmw [61.342(c)(2)], OR the stream contains process wastewater with a flowrate less than 0.02 l/min or an annual throughput of less than 10 Mg/yr [61.342(c)(3)(i)], OR the low-flow exemption in 61.342(c)(3)(i) is not used, no more than 2.0 Mg/yr of total benzene throughput is exempted from treatment, and the benzene throughput in each exempted stream is quantified each year [61.342(c)(3)(ii)]	Y	
61.342(c)(1)(i)	remove or destroy benzene in process or wastewater streams in accordance with 61.348	Y	
61.342(c)(1)(ii)	comply with 61.343 through 61.347 for treatment units operated in accordance with 61.342(c)(1)(i)	Y	
61.342(c)(1)(iii)	recycled wastes that have been returned to a process are no longer subject to 61.342(c)	Y	
61.342(d)	alternative to 61.342(c) standards for facilities with 10 Mg/yr or more of benzene in waste:	Y	
61.342(d)(1)	non-process wastewater shall be treated in accordance with 61.342(c)(1)	Y	
61.342(d)(2)	for process wastewater:	Y	
61.342(d)(2)(i)	treat process wastewater such that benzene content is reduced to a total of less than 1 Mg/yr	Y	
61.342(d)(2)(ii)	each wastewater stream that is treated in accordance with 61.342(d)(2)(i), shall be treated in accordance with 61.342(c)(1)	Y	
61.342(e)	alternative to 61.342(c) and 61.342(d) standards for facilities with 10	Y	

Table IV – CN 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
	Mg/yr or more of benzene in waste:		
61.342(e)(1)	waste with a flow-weighted annual average water content of less than 10% shall be treated in accordance with 61.342(c)(1)	Y	
61.342(e)(2)	for waste with a flow-weighted annual average water content of 10% or more by volume:	Y	
61.342(e)(2)(i)	waste shall not contain more than 6.0 Mg/yr benzene	Y	
61.342(f)	offsite treatment option	Y	
61.343	Standards: Tanks	Y	
61.343(a)(1)	Owner/operator shall install, operate, and maintain a fixed-roof and closed-vent system that routes all organic vapors vented from the tank to a control device.	Y	
61.343(a)(1)(i)	Fixed Roof leak requirements - < 500 ppmv above background, determined initially then annually by method in 61.355(h) of this subpart.	Y	
61.343(a)(1)(ii)	Closed-vent system and control device designed and operated in accordance with 61.349 of this subpart	Y	
61.343(b)	For a tank that meets all of the conditions of paragraph (b)(1), the owner/operator may elect to comply with paragraph (b)(2) as an alternative to the requirements of (a)(1).	Y	
61.343(b)(1)	The waste managed in the tank complying with (b)(2) shall meet all of the following conditions: wastestream managed in the tank must have a flow-weighted annual average water content less than or equal to 10% water, on a volume basis and the waste managed in the tank either: has a maximum organic vapor pressure less than 0.75 psi, or has a maximum organic vapor pressure less than 4.0 psi and is managed in a tank less than 40,000 gallons, or has a maximum organic vapor pressure less than 11.1 psi and is managed in a tank having a design capacity less than 20,000 gallons.	Y	
61.343(b)(2)	Owner/operator shall install, operate, and maintain a fixed roof as specified in paragraph (a)(1)(i).	Y	
61.343(b)(3)	may use devices that vent directly to atmosphere provided the devices are closed, sealed during normal operations except when the device needs to open to prevent damage or deformation of the tank or cover.	Y	
61.343(c)	Inspect all fixed-roof, seal, access doors, and all other openings visually initially and quarterly for cracks and gaps and that doors and openings are closed and gasketed properly.	Y	

Table IV – CN 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
61.343(d)	When a broken seal or gasket is identified, or when detectable emissions are measured, first efforts at repair shall be made as soon as practicable, but not later than 45 calendar days after identification.	Y	
61.348	Standards: Treatment processes	Y	
61.351	Alternative standards for tanks.	Y	
61.354	Monitoring of operations	Y	
61.354(a)(ii)	process parameters shall be continuously monitored and recorded and inspected at least once per operating day to verify proper operation	Y	
61.355	Test methods, procedures and compliance provisions	Y	
61.355(b)(1)	quantification of annual waste quantity at sour water strippers (including ammonia stills at coke by-product plants) shall be made at the water effluent from the still	Y	
61.355(c)(1)(i)(A)	quantification of flow-weighted annual average benzene concentration (including ammonia stills at coke by-product plants) shall be made at the water effluent from the still	Y	
61.356	Recordkeeping requirements	Y	
61.356(a)	recordkeeping and retention requirements	Y	
61.356(b)	waste stream records	Y	
61.357	Reporting requirements	Y	
61.357(c)	reporting requirements for facilities with less than 10 Mg/yr total benzene in waste	Y	
61.357(d)	reporting requirements for facilities with 10 Mg/yr or more total benzene in waste	Y	

Table IV – CO Cluster 26
Source-specific Applicable Requirements
S26 – Tank A-026

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**			
111	**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?	111 **Yes, but only allowed for stock change, tank cleaning, or repairs, & requires written notice**		
	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?	111.1 **not required, but 3-day notice is required prior to removing tank from service**		
112	Are EFR rim seals allowed to be pulled back or temporarily removed during inspection?	112 **YES** ** **7-day time limit**		
	Notification of Inspections: Are notifications of inspections to demonstrate initial compliance required, For EFR seal gap measurements:	112.4 **7-day notice required prior to secondary seal replacement; no other notifications specified pertaining to seals**		
311	**EFR Rim Seals:** vapor-mounted primary seal:	311.1, 321 **Not Allowed**		
	liquid-mounted primary seal:	321.4, 320.1 **OK with rim- mounted secondary**		
	mechanical-shoe primary seal:	321.3, 320.1 **OK with rim- mounted secondary** *		
320	EFR deck openings other than for vents to project into liquid?	320.2.1, 4.1 & 5.1 **REQUIRED**		
	EFR vents to be gasketed?	320.2.2 **REQUIRED**		
	Deck openings (wells) other than for vents, drains, or legs to have covers that are kept closed except for access?	320.2.2 & 4.2 **maximum gap = 1/8 in. (& drains not exempt)**		
	EFR well covers to be gasketed?	320.2.2 & 4.2 **REQUIRED**		

Table IV – CO Cluster 26
Source-specific Applicable Requirements
S26 – Tank A-026

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	EFR rim space vents to remain closed except when the pressure setting is exceeded?	320.3 **REQUIRED** *		
	EFR auto. bleeder vent (vacuum breaker) to be closed except when the deck is landed?	320.3 **REQUIRED** *		
	EFR guidepole wells to have a deck cover gasket and a pole wiper?	320.5.2 **REQUIRED** *		
	EFRT slotted guidepoles to have either an internal float or a pole sleeve?	320.5.2 **REQUIRED** *		
	EFR emergency roof drains to have seals covering at least 90% of the opening?	320.6 **REQUIRED**		
321	DETERMINATION OF EFR RIM-SEAL GAP AREAS: Sum the gap areas & divide by the diameter of the tank?	321 & 322 **different procedure, limiting the % of circumference over which the gap can be exceeded**		
	UNSAFE CONDITIONS: Delay of EFR seal gap measurements allowed for unsafe conditions?	321 & 322 **not addressed**		
	If unable to make safe to measure, must the EFRT be emptied?	321 & 322 **not addressed**		
	Shall there be no holes, tears, or openings in the EFR seals?	321.1 & 322.1 **YES**		
	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?	321.3 **YES**		
	EFR Primary Seal Gap Inspection Criteria: maximum area: maximum gap width:	321.3 & 321.4 * **0.5 - 2.5 in.** *		
322	**EFR Secondary Seal Gap Inspection Criteria:** maximum area: maximum gap width:	322 **≤ 5% with gap > 0.02 in.*** **0.06 in.**		

Table IV – CO Cluster 26
Source-specific Applicable Requirements
S26 – Tank A-026

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
328	Temporary exemption from operating requirements while the external floating roof is landed on its support legs? *	328 & 329 **exempt per 111, but 328 & 329 impose restrictions on tank cleaning & on activities commenced on excess ozone days**		
401	**Seal Gap Measurements:** FREQUENCY AFTER INITIAL COMPLIANCE, For the EFR Primary Seal:	401 **every 5 years** *		
402	**Seal Gap Measurements:** FREQUENCY AFTER INITIAL COMPLIANCE, For the EFR Secondary Seal:	402 **annually** *		
	EFR Internal Inspections: up-close visual inspection of the floating roof, seals, & fittings:	402 **at the same schedule as the secondary seal**		
404	**Seal Gap Measurements:** For new EFRTs:	404 **submit certification of seal gap measurements upon installation**		
	Notification of Compliance Status report:	404 **certification to be submitted upon installation for floating-roof rim seals**		
	EFRT report to include:	404 **seal gap measurements**		
	Periodic Reports: Miscellaneous additional info to report:	404.3 **annual certification of tank degassing equipment**		
405	**Periodic Reports:** Report EFR seal gap inspections if there was no out-of-compliance?	405 **REQUIRED** **(at same frequency as the measurements, but does not specify how promptly; but 404.2.1 specifies that interval between certification of annual secondary seal inspections shall not exceed 15 months)**		

Table IV – CO Cluster 26
Source-specific Applicable Requirements
S26 – Tank A-026

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	Periodic Reports: Report EFR seal gap inspections when there is out-of-compliance?	405 **REQUIRED** **(at same frequency as the measurements, but does not specify how promptly; but 404.2.1 specifies that interval between certification of annual secondary seal inspections shall not exceed 15 months)**		
	Periodic Reports: Report of EFR inspection failures to include:	405 **date of inspection, actual seal gap data, & determination of compliance**		
501	**Applicability records:** Additional recordkeeping requirements for certain tanks.	501 **type of liquid stored & its TVP, for all nonexempt tanks** *		
602	**True vapor pressure (TVP) determination for applicability:**	602 or 604 **based on maximum (instantaneous) tank storage temperature**		
Refinery MACT	**NESHAP for Petroleum Refineries** **REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS**			
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**		
	General recordkeeping requirements: Keep all reports and notification for the specified period of time.	63.642(e) & 63.654(i)(4) **required**		
63.646(a)	**EFR Rim Seals:** vapor-mounted primary seal: liquid-mounted primary seal: mechanical-shoe primary seal:	63.646(a) 63.119(c)(1)(i) - (1)(iii) **Not Allowed** **OK with rim-mounted secondary** **OK with rim-mounted secondary**		
	Must vapor-mounted rim seals be continuous on EFRs?	63.646(a) 63.119(c)(1)(iii) **YES**		
	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**		

Table IV – CO Cluster 26
Source-specific Applicable Requirements
S26 – Tank A-026

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	EFRT operating requirements: When landing the floating roof on its support legs, is the tank to be emptied & either refilled or degassed AS SOON AS POSSIBLE?	63.646(a) 63.119(c)(3) & (c)(4) **YES**		
	Temporary exemption from operating requirements while the external floating roof is landed on its support legs? *	63.646(a) 63.119(c)(3) **EXEMPT**		
	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**		
	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**		
	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**		
	Seal Gap Measurements: FREQUENCY AFTER INITIAL COMPLIANCE, For the EFR Primary Seal:	63.646(a) 63.120(b)(1)(i) **every 5 years**		
	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**		
	Seal Gap Measurements: For new EFRTs:	63.646(a) 63.120(b)(1)(i) & (iii) **measure gaps of both seals prior to initial fill**		
	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**		

Table IV – CO Cluster 26
Source-specific Applicable Requirements
S26 – Tank A-026

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	Seal Gap Measurements: FREQUENCY AFTER INITIAL COMPLIANCE, For the EFR Secondary Seal:	63.646(a) 63.120(b)(1)(iii) **annually**		
	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**		
	MEASUREMENT COND'S: Are EFR seal gap measurements to be made with the roof floating?	63.646(a) 63.120(b)(2)(i) **YES**		
	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**		
	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**		
	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**		
	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.**		
	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.**		
	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**		
	Shall there be no holes, tears, or openings in the EFR seals?	63.646(a) 63.120(b)(5)(ii) & (6)(ii) **YES**		

Table IV – CO Cluster 26
Source-specific Applicable Requirements
S26 – Tank A-026

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	UNSAFE CONDITIONS: Delay of EFR seal gap measurements allowed for unsafe conditions? If unable to make safe to measure, must the EFRT be emptied?	63.646(a) 63.120(b)(7)(i) **up to 30 additional days** 63.120(b)(7)(ii) **YES, within 45 days of determining unsafe**		
	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**		
	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**		
	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**		
	EFRT REPAIRS: Repair of defects if the tank is empty?	63.646(a) 63.120(b)(10)(i) **prior to refilling**		
63.646(c)	EFR well covers to be gasketed?	63.646(c) **not required at existing sources**		
	EFR vents to be gasketed?	63.646(c) **not required at existing sources**		
	EFR deck openings other than for vents to project into liquid?	63.646(c) **not required at existing sources**		
	EFR access hatch & gauge float well covers to be bolted closed?	63.646(c) **not required at existing sources**		
	EFR emergency roof drains to have seals covering at least 90% of the opening?	63.646(c) **not required at existing sources**		
	EFR guidepole wells to have a deck cover gasket and a pole wiper?	63.646(c) **not required at existing sources**		
	EFRT unslotted guidepoles to have a gasketed cap at the top of the pole?	63.646(c) **not required at existing sources**		

Table IV – CO Cluster 26
Source-specific Applicable Requirements
S26 – Tank A-026

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?	63.646(c) **not required at existing sources**		
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**		
	EFR rim space vents to remain closed except when the pressure setting is exceeded?	63.646(f)(2) **REQUIRED**		
	EFR auto. bleeder vent (vacuum breaker) to be closed except when the deck is landed?	63.646(f)(3) **REQUIRED**		
63.646(h)	**Initial Notification:** Is initial notification of the source's existence required?	63.646(h) Table 6 Ref. 63.9 (b)(2) **Not required**		
63.646(i)	**Implementation Plan:**	63.646(i) & 63.652(b) **Not required***		
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**		
63.654(f)	Report (document) having initially achieved compliance?	63.654(f) **later of next Periodic Report after achieving compliance or 1/15/99**		
	Notification of Compliance Status report:	63.654(f) **later of next Periodic Report after compliance or January 15, 1999 ***		
	Report determination of applicability for other individual tanks (i.e., for MACT rules, whether Group1 or Group2)?	63.654(f)(1)(i)(A) **withinitial Notification of Compliance Status; Jan. 15, 1999**		
	EFRT report to include:	63.654(f)(1)(i)(A) **Group determinations, actual or anticipated date of compliance; if already in compliance, Description of controls**		
63.654(g)	Report of periodic inspections, etc. AFTER documenting initial compliance?	63.654(g) **begin Sept 13, 1999 then semiannual**		

Table IV – CO Cluster 26
Source-specific Applicable Requirements
S26 – Tank A-026

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**		
	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**		
	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**		
	Periodic Reports: Report EFR seal gap inspections if there was no out-of-compliance?	63.654(g)(3)(i) **Not required**		
	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**		
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**		
	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**		
	Report applicability for varying-use tanks?	63.654(h)(6)(ii) **w/the initial NOC Status report**		
	Other (initial) Reports: Report applicability for varying-use tanks?	63.654(h)(6)(ii) **required with the initial Notification of Compliance Status report**		
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**		

Table IV – CO Cluster 26
Source-specific Applicable Requirements
S26 – Tank A-026

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** *		
	Recordkeeping for inspections: Keep inspection reports as specified.	63.654(i)(1) 63.123(c) - (e) **all inspections**		
	Records of EFR inspection reports:	63.654(i)(1) 63.123(d) **all inspections**		
	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**		
	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**		
BAAQMD Condition # 5957	**Permit Conditions**			

Table IV – CP 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 FOR EXTERNAL FLOATING ROOF TANKS**			
111	**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?	111 **Yes, but only allowed for stock change, tank cleaning, or repairs, & requires written notice**		
	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?	111.1 **not required, but 3-day notice is required prior to removing tank from service**		
112	Are EFR rim seals allowed to be pulled back or temporarily removed during inspection?	112 **YES** ** **7-day time limit**		
	Notification of Inspections: Are notifications of inspections to demonstrate initial compliance required, For EFR seal gap measurements:	112.4 **7-day notice required prior to secondary seal replacement; no other notifications specified pertaining to seals**		
311	**EFR Rim Seals:** vapor-mounted primary seal:	311.1, 321 **Not Allowed**		
	liquid-mounted primary seal:	321.4, 320.1 **OK with rim- mounted secondary**		
	mechanical-shoe primary seal:	321.3, 320.1 **OK with rim- mounted secondary** *		
320	EFR deck openings other than for vents to project into liquid?	320.2.1, 4.1 & 5.1 **REQUIRED**		
	EFR vents to be gasketed?	320.2.2 **REQUIRED**		
	Deck openings (wells) other than for vents, drains, or legs to have covers that are kept closed except for access?	320.2.2 & 4.2 **maximum gap = 1/8 in. (& drains not exempt)**		
	EFR well covers to be gasketed?	320.2.2 & 4.2 **REQUIRED**		

Table IV – CP 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 space vents to remain closed except when the pressure setting is exceeded?	320.3 **REQUIRED** *		
	EFR auto. bleeder vent (vacuum breaker) to be closed except when the deck is landed?	320.3 **REQUIRED** *		
	EFR guidepole wells to have a deck cover gasket and a pole wiper?	320.5.2 **REQUIRED** *		
	EFRT slotted guidepoles to have either an internal float or a pole sleeve?	320.5.2 **REQUIRED** *		
	EFR emergency roof drains to have seals covering at least 90% o f the opening?	320.6 **REQUIRED**		
321	DETERMINATION OF EFR RIM-SEAL GAP AREAS: Sum the gap areas & divide by the diameter of the tank?	321 & 322 **different procedure, limiting the % of circumference over which the gap can be exceeded**		
	UNSAFE CONDITIONS: Delay of EFR seal gap measurements allowed for unsafe conditions?	321 & 322 **not addressed**		
	If unable to make safe to measure, must the EFRT be emptied?	321 & 322 **not addressed**		
	Shall there be no holes, tears, or openings in the EFR seals?	321.1 & 322.1 **YES**		
	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?	321.3 **YES**		
	EFR Primary Seal Gap Inspection Criteria: maximum area: maximum gap width:	321.3 & 321.4 * **0.5 - 2.5 in.** *		
322	**EFR Secondary Seal Gap Inspection Criteria:** maximum area: maximum gap width:	322 **≤ 5% with gap > 0.02 in.*** **0.06 in.**		

Table IV – CP 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
328	Temporary exemption from operating requirements while the external floating roof is landed on its support legs? *	328 & 329 **exempt per 111, but 328 & 329 impose restrictions on tank cleaning & on activities commenced on excess ozone days**		
401	**Seal Gap Measurements:** FREQUENCY AFTER INITIAL COMPLIANCE, For the EFR Primary Seal:	401 **every 5 years** *		
402	**Seal Gap Measurements:** FREQUENCY AFTER INITIAL COMPLIANCE, For the EFR Secondary Seal:	402 **annually** *		
	EFR Internal Inspections: up-close visual inspection of the floating roof, seals, & fittings:	402 **at the same schedule as the secondary seal**		
404	**Seal Gap Measurements:** For new EFRTs:	404 **submit certification of seal gap measurements upon installation**		
	Notification of Compliance Status report:	404 **certification to be submitted upon installation for floating-roof rim seals**		
	EFRT report to include:	404 **seal gap measurements**		
	Periodic Reports: Miscellaneous additional info to report:	404.3 **annual certification of tank degassing equipment**		
405	**Periodic Reports:** Report EFR seal gap inspections if there was no out-of-compliance?	405 **REQUIRED** **(at same frequency as the measurements, but does not specify how promptly; but 404.2.1 specifies that interval between certification of annual secondary seal inspections shall not exceed 15 months)**		

Table IV – CP 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 EFR seal gap inspections when there is out-of-compliance?	405 **REQUIRED** **(at same frequency as the measurements, but does not specify how promptly; but 404.2.1 specifies that interval between certification of annual secondary seal inspections shall not exceed 15 months)**		
	Periodic Reports: Report of EFR inspection failures to include:	405 **date of inspection, actual seal gap data, & determination of compliance**		
501	**Applicability records:** Additional recordkeeping requirements for certain tanks.	501 **type of liquid stored & its TVP, for all nonexempt tanks** *		
602	**True vapor pressure (TVP) determination for applicability:**	602 or 604 **based on maximum (instantaneous) tank storage temperature**		
Refinery MACT	**NESHAP for Petroleum Refineries** **REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS**			
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**		
	General recordkeeping requirements: Keep all reports and notification for the specified period of time.	63.642(e) & 63.654(i)(4) **required**		
63.646(a)	**EFR Rim Seals:** vapor-mounted primary seal: liquid-mounted primary seal: mechanical-shoe primary seal:	63.646(a) 63.119(c)(1)(i) - (1)(iii) **Not Allowed** **OK with rim-mounted secondary** **OK with rim-mounted secondary**		
	Must vapor-mounted rim seals be continuous on EFRs?	63.646(a) 63.119(c)(1)(iii) **YES**		
	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**		

Table IV – CP 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
	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**		
	Temporary exemption from operating requirements while the external floating roof is landed on its support legs? *	63.646(a) 63.119(c)(3) **EXEMPT**		
	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**		
	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**		
	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**		
	Seal Gap Measurements: FREQUENCY AFTER INITIAL COMPLIANCE, For the EFR Primary Seal:	63.646(a) 63.120(b)(1)(i) **every 5 years**		
	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**		
	Seal Gap Measurements: For new EFRTs:	63.646(a) 63.120(b)(1)(i) & (iii) **measure gaps of both seals prior to initial fill**		
	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**		

Table IV – CP 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: FREQUENCY AFTER INITIAL COMPLIANCE, For the EFR Secondary Seal:	63.646(a) 63.120(b)(1)(iii) **annually**		
	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**		
	MEASUREMENT COND'S: Are EFR seal gap measurements to be made with the roof floating?	63.646(a) 63.120(b)(2)(i) **YES**		
	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**		
	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**		
	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**		
	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.**		
	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.**		
	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**		
	Shall there be no holes, tears, or openings in the EFR seals?	63.646(a) 63.120(b)(5)(ii) & (6)(ii) **YES**		

Table IV – CP 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
	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**		
	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**		
	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**		
	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**		
	EFRT REPAIRS: Repair of defects if the tank is empty?	63.646(a) 63.120(b)(10)(i) **prior to refilling**		
63.646(c)	EFR well covers to be gasketed?	63.646(c) **not required at existing sources**		
	EFR vents to be gasketed?	63.646(c) **not required at existing sources**		
	EFR deck openings other than for vents to project into liquid?	63.646(c) **not required at existing sources**		
	EFR access hatch & gauge float well covers to be bolted closed?	63.646(c) **not required at existing sources**		
	EFR emergency roof drains to have seals covering at least 90% of the opening?	63.646(c) **not required at existing sources**		
	EFR guidepole wells to have a deck cover gasket and a pole wiper?	63.646(c) **not required at existing sources**		
	EFRT unslotted guidepoles to have a gasketed cap at the top of the pole?	63.646(c) **not required at existing sources**		

Table IV – CP 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
	EFRT slotted guidepoles to have either an internal float or a pole sleeve?	63.646(c) **not required at existing sources**		
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**		
	EFR rim space vents to remain closed except when the pressure setting is exceeded?	63.646(f)(2) **REQUIRED**		
	EFR auto. bleeder vent (vacuum breaker) to be closed except when the deck is landed?	63.646(f)(3) **REQUIRED**		
63.646(h)	**Initial Notification:** Is initial notification of the source's existence required?	63.646(h) Table 6 Ref. 63.9 (b)(2) **Not required**		
63.646(i)	**Implementation Plan:**	63.646(i) & 63.652(b) **Not required***		
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**		
63.654(f)	Report (document) having initially achieved compliance?	63.654(f) **later of next Periodic Report after achieving compliance or 1/15/99**		
	Notification of Compliance Status report:	63.654(f) **later of next Periodic Report after compliance or January 15, 1999 ***		
	Report determination of applicability for other individual tanks (i.e., for MACT rules, whether Group1 or Group2)?	63.654(f)(1)(i)(A) **withinitial Notification of Compliance Status; Jan. 15, 1999**		
	EFRT report to include:	63.654(f)(1)(i)(A) **Group determinations, actual or anticipated date of compliance; if already in compliance, Description of controls**		
63.654(g)	Report of periodic inspections, etc. AFTER documenting initial compliance?	63.654(g) **begin Sept 13, 1999 then semiannual**		

Table IV – CP 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**		
	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**		
	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**		
	Periodic Reports: Report EFR seal gap inspections if there was no out-of-compliance?	63.654(g)(3)(i) **Not required**		
	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**		
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**		
	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**		
	Report applicability for varying-use tanks?	63.654(h)(6)(ii) **w/the initial NOC Status report**		
	Other (initial) Reports: Report applicability for varying-use tanks?	63.654(h)(6)(ii) **required with the initial Notification of Compliance Status report**		
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**		

Table IV – CP 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** *		
	Recordkeeping for inspections: Keep inspection reports as specified.	63.654(i)(1) 63.123(c) - (e) **all inspections**		
	Records of EFR inspection reports:	63.654(i)(1) 63.123(d) **all inspections**		
	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**		
	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**		
BAAQMD Condition # 8517	**Permit Conditions**			

Table IV – CQ Cluster 26
Source-specific Applicable Requirements
S640 – Tank A-640, 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 FOR EXTERNAL FLOATING ROOF TANKS**			
111	**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?	111 **Yes, but only allowed for stock change, tank cleaning, or repairs, & requires written notice**		
	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?	111.1 **not required, but 3-day notice is required prior to removing tank from service**		
112	Are EFR rim seals allowed to be pulled back or temporarily removed during inspection?	112 **YES **** **7-day time limit**		
	Notification of Inspections: Are notifications of inspections to demonstrate initial compliance required, For EFR seal gap measurements:	112.4 **7-day notice required prior to secondary seal replacement; no other notifications specified pertaining to seals**		
311	**EFR Rim Seals:** vapor-mounted primary seal:	311.1, 321 **Not Allowed**		
	liquid-mounted primary seal:	321.4, 320.1 **OK with rim- mounted secondary**		
	mechanical-shoe primary seal:	321.3, 320.1 **OK with rim- mounted secondary** *		
320	EFR deck openings other than for vents to project into liquid?	320.2.1, 4.1 & 5.1 **REQUIRED**		
	EFR vents to be gasketed?	320.2.2 **REQUIRED**		
	Deck openings (wells) other than for vents, drains, or legs to have covers that are kept closed except for access?	320.2.2 & 4.2 **maximum gap = 1/8 in. (& drains not exempt)**		
	EFR well covers to be gasketed?	320.2.2 & 4.2 **REQUIRED**		

Table IV – CQ Cluster 26
Source-specific Applicable Requirements
S640 – Tank A-640, S710 – Tank A-710, S711 – Tank A-711

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	EFR rim space vents to remain closed except when the pressure setting is exceeded?	320.3 **REQUIRED** *		
	EFR auto. bleeder vent (vacuum breaker) to be closed except when the deck is landed?	320.3 **REQUIRED** *		
	EFR guidepole wells to have a deck cover gasket and a pole wiper?	320.5.2 **REQUIRED** *		
	EFRT slotted guidepoles to have either an internal float or a pole sleeve?	320.5.2 **REQUIRED** *		
	EFR emergency roof drains to have seals covering at least 90% of the opening?	320.6 **REQUIRED**		
321	DETERMINATION OF EFR RIM-SEAL GAP AREAS: Sum the gap areas & divide by the diameter of the tank?	321 & 322 **different procedure, limiting the % of circumference over which the gap can be exceeded**		
	UNSAFE CONDITIONS: Delay of EFR seal gap measurements allowed for unsafe conditions?	321 & 322 **not addressed**		
	If unable to make safe to measure, must the EFRT be emptied?	321 & 322 **not addressed**		
	Shall there be no holes, tears, or openings in the EFR seals?	321.1 & 322.1 **YES**		
	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?	321.3 **YES**		
	EFR Primary Seal Gap Inspection Criteria: maximum area: maximum gap width:	321.3 & 321.4 * **0.5 - 2.5 in.** *		
322	**EFR Secondary Seal Gap Inspection Criteria:** maximum area: maximum gap width:	322 **≤ 5% with gap > 0.02 in.*** **0.06 in.**		

Table IV – CQ Cluster 26
Source-specific Applicable Requirements
S640 – Tank A-640, S710 – Tank A-710, S711 – Tank A-711

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
328	Temporary exemption from operating requirements while the external floating roof is landed on its support legs? *	328 & 329 **exempt per 111, but 328 & 329 impose restrictions on tank cleaning & on activities commenced on excess ozone days**		
401	**Seal Gap Measurements:** FREQUENCY AFTER INITIAL COMPLIANCE, For the EFR Primary Seal:	401 **every 5 years** *		
402	**Seal Gap Measurements:** FREQUENCY AFTER INITIAL COMPLIANCE, For the EFR Secondary Seal:	402 **annually** *		
	EFR Internal Inspections: up-close visual inspection of the floating roof, seals, & fittings:	402 **at the same schedule as the secondary seal**		
404	**Seal Gap Measurements:** For new EFRTs:	404 **submit certification of seal gap measurements upon installation**		
	Notification of Compliance Status report:	404 **certification to be submitted upon installation for floating-roof rim seals**		
	EFRT report to include:	404 **seal gap measurements**		
	Periodic Reports: Miscellaneous additional info to report:	404.3 **annual certification of tank degassing equipment**		
405	**Periodic Reports:** Report EFR seal gap inspections if there was no out-of-compliance?	405 **REQUIRED** **(at same frequency as the measurements, but does not specify how promptly; but 404.2.1 specifies that interval between certification of annual secondary seal inspections shall not exceed 15 months)**		

Table IV – CQ Cluster 26
Source-specific Applicable Requirements
S640 – Tank A-640, 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 EFR seal gap inspections when there is out-of-compliance?	405 **REQUIRED** **(at same frequency as the measurements, but does not specify how promptly; but 404.2.1 specifies that interval between certification of annual secondary seal inspections shall not exceed 15 months)**		
	Periodic Reports: Report of EFR inspection failures to include:	405 **date of inspection, actual seal gap data, & determination of compliance**		
501	**Applicability records:** Additional recordkeeping requirements for certain tanks.	501 **type of liquid stored & its TVP, for all nonexempt tanks** *		
602	**True vapor pressure (TVP) determination for applicability:**	602 or 604 **based on maximum (instantaneous) tank storage temperature**		
Refinery MACT	**NESHAP for Petroleum Refineries** **REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS**			
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**		
	General recordkeeping requirements: Keep all reports and notification for the specified period of time.	63.642(e) & 63.654(i)(4) **required**		
63.646(a)	**EFR Rim Seals:** vapor-mounted primary seal: liquid-mounted primary seal: mechanical-shoe primary seal:	63.646(a) 63.119(c)(1)(i) - (1)(iii) **Not Allowed** **OK with rim-mounted secondary** **OK with rim-mounted secondary**		
	Must vapor-mounted rim seals be continuous on EFRs?	63.646(a) 63.119(c)(1)(iii) **YES**		
	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**		

Table IV – CQ Cluster 26
Source-specific Applicable Requirements
S640 – Tank A-640, S710 – Tank A-710, S711 – Tank A-711

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	EFRT operating requirements: When landing the floating roof on its support legs, is the tank to be emptied & either refilled or degassed AS SOON AS POSSIBLE?	63.646(a) 63.119(c)(3) & (c)(4) **YES**		
	Temporary exemption from operating requirements while the external floating roof is landed on its support legs? *	63.646(a) 63.119(c)(3) **EXEMPT**		
	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**		
	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**		
	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**		
	Seal Gap Measurements: FREQUENCY AFTER INITIAL COMPLIANCE, For the EFR Primary Seal:	63.646(a) 63.120(b)(1)(i) **every 5 years**		
	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**		
	Seal Gap Measurements: For new EFRTs:	63.646(a) 63.120(b)(1)(i) & (iii) **measure gaps of both seals prior to initial fill**		
	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**		

Table IV – CQ Cluster 26
Source-specific Applicable Requirements
S640 – Tank A-640, 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: FREQUENCY AFTER INITIAL COMPLIANCE, For the EFR Secondary Seal:	63.646(a) 63.120(b)(1)(iii) **annually**		
	Seal Gap Measurements: For EFRTs returned to a ffected 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**		
	MEASUREMENT COND'S: Are EFR seal gap measurements to be made with the roof floating?	63.646(a) 63.120(b)(2)(i) **YES**		
	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**		
	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**		
	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**		
	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.**		
	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.**		
	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**		
	Shall there be no holes, tears, or openings in the EFR seals?	63.646(a) 63.120(b)(5)(ii) & (6)(ii) **YES**		

Table IV – CQ Cluster 26
Source-specific Applicable Requirements
S640 – Tank A-640, S710 – Tank A-710, S711 – Tank A-711

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	UNSAFE CONDITIONS: Delay of EFR seal gap measurements allowed for unsafe conditions? If unable to make safe to measure, must the EFRT be emptied?	63.646(a) 63.120(b)(7)(i) **up to 30 additional days** 63.120(b)(7)(ii) **YES, within 45 days of determining unsafe**		
	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**		
	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**		
	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**		
	EFRT REPAIRS: Repair of defects if the tank is empty?	63.646(a) 63.120(b)(10)(i) **prior to refilling**		
63.646(c)	EFR well covers to be gasketed?	63.646(c) **not required at existing sources**		
	EFR vents to be gasketed?	63.646(c) **not required at existing sources**		
	EFR deck openings other than for vents to project into liquid?	63.646(c) **not required at existing sources**		
	EFR access hatch & gauge float well covers to be bolted closed?	63.646(c) **not required at existing sources**		
	EFR emergency roof drains to have seals covering at least 90% of the opening?	63.646(c) **not required at existing sources**		
	EFR guidepole wells to have a deck cover gasket and a pole wiper?	63.646(c) **not required at existing sources**		
	EFRT unslotted guidepoles to have a gasketed cap at the top of the pole?	63.646(c) **not required at existing sources**		

Table IV – CQ Cluster 26
Source-specific Applicable Requirements
S640 – Tank A-640, S710 – Tank A-710, S711 – Tank A-711

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?	63.646(c) **not required at existing sources**		
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**		
	EFR rim space vents to remain closed except when the pressure setting is exceeded?	63.646(f)(2) **REQUIRED**		
	EFR auto. bleeder vent (vacuum breaker) to be closed except when the deck is landed?	63.646(f)(3) **REQUIRED**		
63.646(h)	**Initial Notification:** Is initial notification of the source's existence required?	63.646(h) Table 6 Ref. 63.9 (b)(2) **Not required**		
63.646(i)	**Implementation Plan:**	63.646(i) & 63.652(b) **Not required***		
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**		
63.654(f)	Report (document) having initially achieved compliance?	63.654(f) **later of next Periodic Report after achieving compliance or 1/15/99**		
	Notification of Compliance Status report:	63.654(f) **later of next Periodic Report after compliance or January 15, 1999 ***		
	Report determination of applicability for other individual tanks (i.e., for MACT rules, whether Group1 or Group2)?	63.654(f)(1)(i)(A) **withinitial Notification of Compliance Status; Jan. 15, 1999**		
	EFRT report to include:	63.654(f)(1)(i)(A) **Group determinations, actual or anticipated date of compliance; if already in compliance, Description of controls**		
63.654(g)	Report of periodic inspections, etc. AFTER documenting initial compliance?	63.654(g) **begin Sept 13, 1999 then semiannual**		

Table IV – CQ Cluster 26
Source-specific Applicable Requirements
S640 – Tank A-640, 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**		
	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**		
	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**		
	Periodic Reports: Report EFR seal gap inspections if there was no out-of-compliance?	63.654(g)(3)(i) **Not required**		
	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**		
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**		
	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**		
	Report applicability for varying-use tanks?	63.654(h)(6)(ii) **w/the initial NOC Status report**		
	Other (initial) Reports: Report applicability for varying-use tanks?	63.654(h)(6)(ii) **required with the initial Notification of Compliance Status report**		
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**		

Table IV – CQ Cluster 26
Source-specific Applicable Requirements
S640 – Tank A-640, 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** *		
	Recordkeeping for inspections: Keep inspection reports as specified.	63.654(i)(1) 63.123(c) - (e) **all inspections**		
	Records of EFR inspection reports:	63.654(i)(1) 63.123(d) **all inspections**		
	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**		
	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**		
BAAQMD Condition # 8636	**Permit Conditions**			

Table IV – CR 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 FOR EXTERNAL FLOATING ROOF TANKS**			
111	**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?	111 **Yes, but only allowed for stock change, tank cleaning, or repairs, & requires written notice**		
	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?	111.1 **not required, but 3-day notice is required prior to removing tank from service**		
112	Are EFR rim seals allowed to be pulled back or temporarily removed during inspection?	112 **YES **** **7-day time limit**		
	Notification of Inspections: Are notifications of inspections to demonstrate initial compliance required, For EFR seal gap measurements:	112.4 **7-day notice required prior to secondary seal replacement; no other notifications specified pertaining to seals**		
311	**EFR Rim Seals:** vapor-mounted primary seal:	311.1, 321 **Not Allowed**		
	liquid-mounted primary seal:	321.4, 320.1 **OK with rim- mounted secondary**		
	mechanical-shoe primary seal:	321.3, 320.1 **OK with rim- mounted secondary** *		
320	EFR deck openings other than for vents to project into liquid?	320.2.1, 4.1 & 5.1 **REQUIRED**		
	EFR vents to be gasketed?	320.2.2 **REQUIRED**		
	Deck openings (wells) other than for vents, drains, or legs to have covers that are kept closed except for access?	320.2.2 & 4.2 **maximum gap = 1/8 in. (& drains not exempt)**		
	EFR well covers to be gasketed?	320.2.2 & 4.2 **REQUIRED**		

Table IV – CR 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 rim space vents to remain closed except when the pressure setting is exceeded?	320.3 **REQUIRED** *		
	EFR auto. bleeder vent (vacuum breaker) to be closed except when the deck is landed?	320.3 **REQUIRED** *		
	EFR guidepole wells to have a deck cover gasket and a pole wiper?	320.5.2 **REQUIRED** *		
	EFRT slotted guidepoles to have either an internal float or a pole sleeve?	320.5.2 **REQUIRED** *		
	EFR emergency roof drains to have seals covering at least 90% of the opening?	320.6 **REQUIRED**		
321	DETERMINATION OF EFR RIM-SEAL GAP AREA S: Sum the gap areas & divide by the diameter of the tank?	321 & 322 **different procedure, limiting the % of circumference over which the gap can be exceeded**		
	UNSAFE CONDITIONS: Delay of EFR seal gap measurements allowed for unsafe conditions?	321 & 322 **not addressed**		
	If unable to make safe to measure, must the EFRT be emptied?	321 & 322 **not addressed**		
	Shall there be no holes, tears, or openings in the EFR seals?	321.1 & 322.1 **YES**		
	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?	321.3 **YES**		
	EFR Primary Seal Gap Inspection Criteria: maximum area: maximum gap width:	321.3 & 321.4 * **0.5 - 2.5 in.** *		
322	**EFR Secondary Seal Gap Inspection Criteria:** maximum area: maximum gap width:	322 **≤ 5% with gap > 0.02 in.*** **0.06 in.**		

Table IV – CR 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
328	Temporary exemption from operating requirements while the external floating roof is landed on its support legs? *	328 & 329 **exempt per 111, but 328 & 329 impose restrictions on tank cleaning & on activities commenced on excess ozone days**		
401	**Seal Gap Measurements:** FREQUENCY AFTER INITIAL COMPLIANCE, For the EFR Primary Seal:	401 **every 5 years** *		
402	**Seal Gap Measurements:** FREQUENCY AFTER INITIAL COMPLIANCE, For the EFR Secondary Seal:	402 **annually** *		
	EFR Internal Inspections: up-close visual inspection of the floating roof, seals, & fittings:	402 **at the same schedule as the secondary seal**		
404	**Seal Gap Measurements:** For new EFRTs:	404 **submit certification of seal gap measurements upon installation**		
	Notification of Compliance Status report:	404 **certification to be submitted upon installation for floating-roof rim seals**		
	EFRT report to include:	404 **seal gap measurements**		
	Periodic Reports: Miscellaneous additional info to report:	404.3 **annual certification of tank degassing equipment**		
405	**Periodic Reports:** Report EFR seal gap inspections if there was no out-of-compliance?	405 **REQUIRED** **(at same frequency as the measurements, but does not specify how promptly; but 404.2.1 specifies that interval between certification of annual secondary seal inspections shall not exceed 15 months)**		

Table IV – CR 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 EFR seal gap inspections when there is out-of-compliance?	405 **REQUIRED** **(at same frequency as the measurements, but does not specify how promptly; but 404.2.1 specifies that interval between certification of annual secondary seal inspections shall not exceed 15 months)**		
	Periodic Reports: Report of EFR inspection failures to include:	405 **date of inspection, actual seal gap data, & determination of compliance**		
501	**Applicability records:** Additional recordkeeping requirements for certain tanks.	501 **type of liquid stored & its TVP, for all nonexempt tanks** *		
602	**True vapor pressure (TVP) determination for applicability:**	602 or 604 **based on maximum (instantaneous) tank storage temperature**		
Refinery MACT	**NESHAP for Petroleum Refineries** **REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS**			
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**		
	General recordkeeping requirements: Keep all reports and notification for the specified period of time.	63.642(e) & 63.654(i)(4) **required**		
63.646(a)	**EFR Rim Seals:** vapor-mounted primary seal: liquid-mounted primary seal: mechanical-shoe primary seal:	63.646(a) 63.119(c)(1)(i) - (1)(iii) **Not Allowed** **OK with rim-mounted secondary** **OK with rim-mounted secondary**		
	Must vapor-mounted rim seals be continuous on EFRs?	63.646(a) 63.119(c)(1)(iii) **YES**		
	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**		

Table IV – CR 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
	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**		
	Temporary exemption from operating requirements while the external floating roof is landed on its support legs? *	63.646(a) 63.119(c)(3) **EXEMPT**		
	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**		
	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**		
	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**		
	Seal Gap Measurements: FREQUENCY AFTER INITIAL COMPLIANCE, For the EFR Primary Seal:	63.646(a) 63.120(b)(1)(i) **every 5 years**		
	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**		
	Seal Gap Measurements: For new EFRTs:	63.646(a) 63.120(b)(1)(i) & (iii) **measure gaps of both seals prior to initial fill**		
	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**		

Table IV – CR 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: FREQUENCY AFTER INITIAL COMPLIANCE, For the EFR Secondary Seal:	63.646(a) 63.120(b)(1)(iii) **annually**		
	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**		
	MEASUREMENT COND'S: Are EFR seal gap measurements to be made with the roof floating?	63.646(a) 63.120(b)(2)(i) **YES**		
	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**		
	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**		
	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**		
	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.**		
	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.**		
	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**		
	Shall there be no holes, tears, or openings in the EFR seals?	63.646(a) 63.120(b)(5)(ii) & (6)(ii) **YES**		

Table IV – CR 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
	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**		
	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**		
	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**		
	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**		
	EFRT REPAIRS: Repair of defects if the tank is empty?	63.646(a) 63.120(b)(10)(i) **prior to refilling**		
63.646(c)	EFR well covers to be gasketed?	63.646(c) **not required at existing sources**		
	EFR vents to be gasketed?	63.646(c) **not required at existing sources**		
	EFR deck openings other than for vents to project into liquid?	63.646(c) **not required at existing sources**		
	EFR access hatch & gauge float well covers to be bolted closed?	63.646(c) **not required at existing sources**		
	EFR emergency roof drains to have seals covering at least 90% of the opening?	63.646(c) **not required at existing sources**		
	EFR guidepole wells to have a deck cover gasket and a pole wiper?	63.646(c) **not required at existing sources**		
	EFRT unslotted guidepoles to have a gasketed cap at the top of the pole?	63.646(c) **not required at existing sources**		

Table IV – CR 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
	EFRT slotted guidepoles to have either an internal float or a pole sleeve?	63.646(c) **not required at existing sources**		
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**		
	EFR rim space vents to remain closed except when the pressure setting is exceeded?	63.646(f)(2) **REQUIRED**		
	EFR auto. bleeder vent (vacuum breaker) to be closed except when the deck is landed?	63.646(f)(3) **REQUIRED**		
63.646(h)	**Initial Notification:** Is initial notification of the source's existence required?	63.646(h) Table 6 Ref. 63.9 (b)(2) **Not required**		
63.646(i)	**Implementation Plan:**	63.646(i) & 63.652(b) **Not required***		
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**		
63.654(f)	Report (document) having initially achieved compliance?	63.654(f) **later of next Periodic Report after achieving compliance or 1/15/99**		
	Notification of Compliance Status report:	63.654(f) **later of next Periodic Report after compliance or January 15, 1999 ***		
	Report determination of applicability for other individual tanks (i.e., for MACT rules, whether Group1 or Group2)?	63.654(f)(1)(i)(A) **withinitial Notification of Compliance Status; Jan. 15, 1999**		
	EFRT report to include:	63.654(f)(1)(i)(A) **Group determinations, actual or anticipated date of compliance; if already in compliance, Description of controls**		
63.654(g)	Report of periodic inspections, etc. AFTER documenting initial compliance?	63.654(g) **begin Sept 13, 1999 then semiannual**		

Table IV – CR 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**		
	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**		
	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**		
	Periodic Reports: Report EFR seal gap inspections if there was no out-of-compliance?	63.654(g)(3)(i) **Not required**		
	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**		
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**		
	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**		
	Report applicability for varying-use tanks?	63.654(h)(6)(ii) **w/the initial NOC Status report**		
	Other (initial) Reports: Report applicability for varying-use tanks?	63.654(h)(6)(ii) **required with the initial Notification of Compliance Status report**		
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**		

Table IV – CR 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** *		
	Recordkeeping for inspections: Keep inspection reports as specified.	63.654(i)(1) 63.123(c) - (e) **all inspections**		
	Records of EFR inspection reports:	63.654(i)(1) 63.123(d) **all inspections**		
	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**		
	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**		

Table IV – CS 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 FOR EXTERNAL FLOATING ROOF TANKS**			
111	**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?	111 **Yes, but only allowed for stock change, tank cleaning, or repairs, & requires written notice**		
	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?	111.1 **not required, but 3-day notice is required prior to removing tank from service**		
112	Are EFR rim seals allowed to be pulled back or temporarily removed during inspection?	112 **YES **** **7-day time limit**		
	Notification of Inspections: Are notifications of inspections to demonstrate initial compliance required, For EFR seal gap measurements:	112.4 **7-day notice required prior to secondary seal replacement; no other notifications specified pertaining to seals**		
311	**EFR Rim Seals:** vapor-mounted primary seal:	311.1, 321 **Not Allowed**		
	liquid-mounted primary seal:	321.4, 320.1 **OK with rim- mounted secondary**		
	mechanical-shoe primary seal:	321.3, 320.1 **OK with rim- mounted secondary** *		
320	EFR deck openings other than for vents to project into liquid?	320.2.1, 4.1 & 5.1 **REQUIRED**		
	EFR vents to be gasketed?	320.2.2 **REQUIRED**		
	Deck openings (wells) other than for vents, drains, or legs to have covers that are kept closed except for access?	320.2.2 & 4.2 **maximum gap = 1/8 in. (& drains not exempt)**		
	EFR well covers to be gasketed?	320.2.2 & 4.2 **REQUIRED**		

Table IV – CS Cluster 26
Source-specific Applicable Requirements
S217 – Tank A-217

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	EFR rim space vents to remain closed except when the pressure setting is exceeded?	320.3 **REQUIRED** *		
	EFR auto. bleeder vent (vacuum breaker) to be closed except when the deck is landed?	320.3 **REQUIRED** *		
	EFR guidepole wells to have a deck cover gasket and a pole wiper?	320.5.2 **REQUIRED** *		
	EFRT slotted guidepoles to have either an internal float or a pole sleeve?	320.5.2 **REQUIRED** *		
	EFR emergency roof drains to have seals covering at least 90% of the opening?	320.6 **REQUIRED**		
321	DETERMINATION OF EFR RIM-SEAL GAP AREAS: Sum the gap areas & divide by the diameter of the tank?	321 & 322 **different procedure, limiting the % of circumference over which the gap can be exceeded**		
	UNSAFE CONDITIONS: Delay of EFR seal gap measurements allowed for unsafe conditions?	321 & 322 **not addressed**		
	If unable to make safe to measure, must the EFRT be emptied?	321 & 322 **not addressed**		
	Shall there be no holes, tears, or openings in the EFR seals?	321.1 & 322.1 **YES**		
	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?	321.3 **YES**		
	EFR Primary Seal Gap Inspection Criteria: maximum area: maximum gap width:	321.3 & 321.4 * **0.5 - 2.5 in.** *		
322	**EFR Secondary Seal Gap Inspection Criteria:** maximum area: maximum gap width:	322 **≤ 5% with gap > 0.02 in.*** **0.06 in.**		

Table IV – CS 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
328	Temporary exemption from operating requirements while the external floating roof is landed on its support legs? *	328 & 329 **exempt per 111, but 328 & 329 impose restrictions on tank cleaning & on activities commenced on excess ozone days**		
401	**Seal Gap Measurements:** FREQUENCY AFTER INITIAL COMPLIANCE, For the EFR Primary Seal:	401 **every 5 years** *		
402	**Seal Gap Measurements:** FREQUENCY AFTER INITIAL COMPLIANCE, For the EFR Secondary Seal:	402 **annually** *		
	EFR Internal Inspections: up-close visual inspection of the floating roof, seals, & fittings:	402 **at the same schedule as the secondary seal**		
404	**Seal Gap Measurements:** For new EFRTs:	404 **submit certification of seal gap measurements upon installation**		
	Notification of Compliance Status report:	404 **certification to be submitted upon installation for floating-roof rim seals**		
	EFRT report to include:	404 **seal gap measurements**		
	Periodic Reports: Miscellaneous additional info to report:	404.3 **annual certification of tank degassing equipment**		
405	**Periodic Reports:** Report EFR seal gap inspections if there was no out-of-compliance?	405 **REQUIRED** **(at same frequency as the measurements, but does not specify how promptly; but 404.2.1 specifies that interval between certification of annual secondary seal inspections shall not exceed 15 months)**		

Table IV – CS 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 EFR seal gap inspections when there is out-of-compliance?	405 **REQUIRED** **(at same frequency as the measurements, but does not specify how promptly; but 404.2.1 specifies that interval between certification of annual secondary seal inspections shall not exceed 15 months)**		
	Periodic Reports: Report of EFR inspection failures to include:	405 **date of inspection, actual seal gap data, & determination of compliance**		
501	**Applicability records:** Additional recordkeeping requirements for certain tanks.	501 **type of liquid stored & its TVP, for all nonexempt tanks** *		
602	**True vapor pressure (TVP) determination for applicability:**	602 or 604 **based on maximum (instantaneous) tank storage temperature**		
Refinery MACT	**NESHAP for Petroleum Refineries** **REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS**			
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**		
	General recordkeeping requirements: Keep all reports and notification for the specified period of time.	63.642(e) & 63.654(i)(4) **required**		
63.646(a)	**EFR Rim Seals:** vapor-mounted primary seal: liquid-mounted primary seal: mechanical-shoe primary seal:	63.646(a) 63.119(c)(1)(i) - (1)(iii) **Not Allowed** **OK with rim-mounted secondary** **OK with rim-mounted secondary**		
	Must vapor-mounted rim seals be continuous on EFRs?	63.646(a) 63.119(c)(1)(iii) **YES**		
	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**		

Table IV – CS 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
	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**		
	Temporary exemption from operating requirements while the external floating roof is landed on its support legs? *	63.646(a) 63.119(c)(3) **EXEMPT**		
	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**		
	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**		
	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**		
	Seal Gap Measurements: FREQUENCY AFTER INITIAL COMPLIANCE, For the EFR Primary Seal:	63.646(a) 63.120(b)(1)(i) **every 5 years**		
	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**		
	Seal Gap Measurements: For new EFRTs:	63.646(a) 63.120(b)(1)(i) & (iii) **measure gaps of both seals prior to initial fill**		
	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**		

Table IV – CS 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: FREQUENCY AFTER INITIAL COMPLIANCE, For the EFR Secondary Seal:	63.646(a) 63.120(b)(1)(iii) **annually**		
	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**		
	MEASUREMENT COND'S: Are EFR seal gap measurements to be made with the roof floating?	63.646(a) 63.120(b)(2)(i) **YES**		
	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**		
	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**		
	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**		
	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.**		
	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.**		
	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**		
	Shall there be no holes, tears, or openings in the EFR seals?	63.646(a) 63.120(b)(5)(ii) & (6)(ii) **YES**		

Table IV – CS 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
	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**		
	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**		
	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**		
	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**		
	EFRT REPAIRS: Repair of defects if the tank is empty?	63.646(a) 63.120(b)(10)(i) **prior to refilling**		
63.646(c)	EFR well covers to be gasketed?	63.646(c) **not required at existing sources**		
	EFR vents to be gasketed?	63.646(c) **not required at existing sources**		
	EFR deck openings other than for vents to project into liquid?	63.646(c) **not required at existing sources**		
	EFR access hatch & gauge float well covers to be bolted closed?	63.646(c) **not required at existing sources**		
	EFR emergency roof drains to have seals covering at least 90% of the opening?	63.646(c) **not required at existing sources**		
	EFR guidepole wells to have a deck cover gasket and a pole wiper?	63.646(c) **not required at existing sources**		
	EFRT unslotted guidepoles to have a gasketed cap at the top of the pole?	63.646(c) **not required at existing sources**		

Table IV – CS 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
	EFRT slotted guidepoles to have either an internal float or a pole sleeve?	63.646(c) **not required at existing sources**		
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**		
	EFR rim space vents to remain closed except when the pressure setting is exceeded?	63.646(f)(2) **REQUIRED**		
	EFR auto. bleeder vent (vacuum breaker) to be closed except when the deck is landed?	63.646(f)(3) **REQUIRED**		
63.646(h)	**Initial Notification:** Is initial notification of the source's existence required?	63.646(h) Table 6 Ref. 63.9 (b)(2) **Not required**		
63.646(i)	**Implementation Plan:**	63.646(i) & 63.652(b) **Not required***		
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**		
63.654(f)	Report (document) having initially achieved compliance?	63.654(f) **later of next Periodic Report after achieving compliance or 1/15/99**		
	Notification of Compliance Status report:	63.654(f) **later of next Periodic Report after compliance or January 15, 1999 ***		
	Report determination of applicability for other individual tanks (i.e., for MACT rules, whether Group1 or Group2)?	63.654(f)(1)(i)(A) **withinitial Notification of Compliance Status; Jan. 15, 1999**		
	EFRT report to include:	63.654(f)(1)(i)(A) **Group determinations, actual or anticipated date of compliance; if already in compliance, Description of controls**		
63.654(g)	Report of periodic inspections, etc. AFTER documenting initial compliance?	63.654(g) **begin Sept 13, 1999 then semiannual**		

Table IV – CS 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**		
	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**		
	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**		
	Periodic Reports: Report EFR seal gap inspections if there was no out-of-compliance?	63.654(g)(3)(i) **Not required**		
	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**		
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**		
	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**		
	Report applicability for varying-use tanks?	63.654(h)(6)(ii) **w/the initial NOC Status report**		
	Other (initial) Reports: Report applicability for varying-use tanks?	63.654(h)(6)(ii) **required with the initial Notification of Compliance Status report**		
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**		

Table IV – CS 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** *		
	Recordkeeping for inspections: Keep inspection reports as specified.	63.654(i)(1) 63.123(c) - (e) **all inspections**		
	Records of EFR inspection reports:	63.654(i)(1) 63.123(d) **all inspections**		
	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**		
	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**		

Table IV – CT 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 FOR EXTERNAL FLOATING ROOF TANKS**			
111	**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?	111 **Yes, but only allowed for stock change, tank cleaning, or repairs, & requires written notice**		
	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?	111.1 **not required, but 3-day notice is required prior to removing tank from service**		
112	Are EFR rim seals allowed to be pulled back or temporarily removed during inspection?	112 **YES** ** **7-day time limit**		
	Notification of Inspections: Are notifications of inspections to demonstrate initial compliance required, For EFR seal gap measurements:	112.4 **7-day notice required prior to secondary seal replacement; no other notifications specified pertaining to seals**		
311	**EFR Rim Seals:** vapor-mounted primary seal:	311.1, 321 **Not Allowed**		
	liquid-mounted primary seal:	321.4, 320.1 **OK with rim- mounted secondary**		
	mechanical-shoe primary seal:	321.3, 320.1 **OK with rim- mounted secondary** *		
320	EFR deck openings other than for vents to project into liquid?	320.2.1, 4.1 & 5.1 **REQUIRED**		
	EFR vents to be gasketed?	320.2.2 **REQUIRED**		
	Deck openings (wells) other than for vents, drains, or legs to have covers that are kept closed except for access?	320.2.2 & 4.2 **maximum gap = 1/8 in. (& drains not exempt)**		
	EFR well covers to be gasketed?	320.2.2 & 4.2 **REQUIRED**		

Table IV – CT 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 rim space vents to remain closed except when the pressure setting is exceeded?	320.3 **REQUIRED** *		
	EFR auto. bleeder vent (vacuum breaker) to be closed except when the deck is landed?	320.3 **REQUIRED** *		
	EFR guidepole wells to have a deck cover gasket and a pole wiper?	320.5.2 **REQUIRED** *		
	EFRT slotted guidepoles to have either an internal float or a pole sleeve?	320.5.2 **REQUIRED** *		
	EFR emergency roof drains to have seals covering at least 90% of the opening?	320.6 **REQUIRED**		
321	DETERMINATION OF EFR RIM-SEAL GAP AREAS: Sum the gap areas & divide by the diameter of the tank?	321 & 322 **different procedure, limiting the % of circumference over which the gap can be exceeded**		
	UNSAFE CONDITIONS: Delay of EFR seal gap measurements allowed for unsafe conditions?	321 & 322 **not addressed**		
	If unable to make safe to measure, must the EFRT be emptied?	321 & 322 **not addressed**		
	Shall there be no holes, tears, or openings in the EFR seals?	321.1 & 322.1 **YES**		
	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?	321.3 **YES**		
	EFR Primary Seal Gap Inspection Criteria: maximum area: maximum gap width:	321.3 & 321.4 * **0.5 - 2.5 in.** *		
322	**EFR Secondary Seal Gap Inspection Criteria:** maximum area: maximum gap width:	322 **≤ 5% with gap > 0.02 in.*** **0.06 in.**		

Table IV – CT 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
328	Temporary exemption from operating requirements while the external floating roof is landed on its support legs? *	328 & 329 **exempt per 111, but 328 & 329 impose restrictions on tank cleaning & on activities commenced on excess ozone days**		
401	**Seal Gap Measurements:** FREQUENCY AFTER INITIAL COMPLIANCE, For the EFR Primary Seal:	401 **every 5 years** *		
402	**Seal Gap Measurements:** FREQUENCY AFTER INITIAL COMPLIANCE, For the EFR Secondary Seal:	402 **annually** *		
	EFR Internal Inspections: up-close visual inspection of the floating roof, seals, & fittings:	402 **at the same schedule as the secondary seal**		
404	**Seal Gap Measurements:** For new EFRTs:	404 **submit certification of seal gap measurements upon installation**		
	Notification of Compliance Status report:	404 **certification to be submitted upon installation for floating-roof rim seals**		
	EFRT report to include:	404 **seal gap measurements**		
	Periodic Reports: Miscellaneous additional info to report:	404.3 **annual certification of tank degassing equipment**		
405	**Periodic Reports:** Report EFR seal gap inspections if there was no out-of-compliance?	405 **REQUIRED** **(at same frequency as the measurements, but does not specify how promptly; but 404.2.1 specifies that interval between certification of annual secondary seal inspections shall not exceed 15 months)**		

Table IV – CT 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 EFR seal gap inspections when there is out-of-compliance?	405 **REQUIRED** **(at same frequency as the measurements, but does not specify how promptly; but 404.2.1 specifies that interval between certification of annual secondary seal inspections shall not exceed 15 months)**		
	Periodic Reports: Report of EFR inspection failures to include:	405 **date of inspection, actual seal gap data, & determination of compliance**		
501	**Applicability records:** Additional recordkeeping requirements for certain tanks.	501 **type of liquid stored & its TVP, for all nonexempt tanks** *		
602	**True vapor pressure (TVP) determination for applicability:**	602 or 604 **based on maximum (instantaneous) tank storage temperature**		
Refinery MACT	**NESHAP for Petroleum Refineries** **REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS**			
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**		
	General recordkeeping requirements: Keep all reports and notification for the specified period of time.	63.642(e) & 63.654(i)(4) **required**		
63.646(a)	**EFR Rim Seals:** vapor-mounted primary seal: liquid-mounted primary seal: mechanical-shoe primary seal:	63.646(a) 63.119(c)(1)(i) - (1)(iii) **Not Allowed** **OK with rim-mounted secondary** **OK with rim-mounted secondary**		
	Must vapor-mounted rim seals be continuous on EFRs?	63.646(a) 63.119(c)(1)(iii) **YES**		
	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**		

Table IV – CT 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
	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**		
	Temporary exemption from operating requirements while the external floating roof is landed on its support legs? *	63.646(a) 63.119(c)(3) **EXEMPT**		
	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**		
	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**		
	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**		
	Seal Gap Measurements: FREQUENCY AFTER INITIAL COMPLIANCE, For the EFR Primary Seal:	63.646(a) 63.120(b)(1)(i) **every 5 years**		
	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**		
	Seal Gap Measurements: For new EFRTs:	63.646(a) 63.120(b)(1)(i) & (iii) **measure gaps of both seals prior to initial fill**		
	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**		

Table IV – CT 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: FREQUENCY AFTER INITIAL COMPLIANCE, For the EFR Secondary Seal:	63.646(a) 63.120(b)(1)(iii) **annually**		
	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**		
	MEASUREMENT COND'S: Are EFR seal gap measurements to be made with the roof floating?	63.646(a) 63.120(b)(2)(i) **YES**		
	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**		
	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**		
	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**		
	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.**		
	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.**		
	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**		
	Shall there be no holes, tears, or openings in the EFR seals?	63.646(a) 63.120(b)(5)(ii) & (6)(ii) **YES**		

Table IV – CT 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
	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**		
	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**		
	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**		
	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**		
	EFRT REPAIRS: Repair of defects if the tank is empty?	63.646(a) 63.120(b)(10)(i) **prior to refilling**		
63.646(c)	EFR well covers to be gasketed?	63.646(c) **not required at existing sources**		
	EFR vents to be gasketed?	63.646(c) **not required at existing sources**		
	EFR deck openings other than for vents to project into liquid?	63.646(c) **not required at existing sources**		
	EFR access hatch & gauge float well covers to be bolted closed?	63.646(c) **not required at existing sources**		
	EFR emergency roof drains to have seals covering at least 90% of the opening?	63.646(c) **not required at existing sources**		
	EFR guidepole wells to have a deck cover gasket and a pole wiper?	63.646(c) **not required at existing sources**		
	EFRT unslotted guidepoles to have a gasketed cap at the top of the pole?	63.646(c) **not required at existing sources**		

Table IV – CT 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
	EFRT slotted guidepoles to have either an internal float or a pole sleeve?	63.646(c) **not required at existing sources**		
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**		
	EFR rim space vents to remain closed except when the pressure setting is exceeded?	63.646(f)(2) **REQUIRED**		
	EFR auto. bleeder vent (vacuum breaker) to be closed except when the deck is landed?	63.646(f)(3) **REQUIRED**		
63.646(h)	**Initial Notification:** Is initial notification of the source's existence required?	63.646(h) Table 6 Ref. 63.9 (b)(2) **Not required**		
63.646(i)	**Implementation Plan:**	63.646(i) & 63.652(b) **Not required***		
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**		
63.654(f)	Report (document) having initially achieved compliance?	63.654(f) **later of next Periodic Report after achieving compliance or 1/15/99**		
	Notification of Compliance Status report:	63.654(f) **later of next Periodic Report after compliance or January 15, 1999 ***		
	Report determination of applicability for other individual tanks (i.e., for MACT rules, whether Group1 or Group2)?	63.654(f)(1)(i)(A) **withinitial Notification of Compliance Status; Jan. 15, 1999**		
	EFRT report to include:	63.654(f)(1)(i)(A) **Group determinations, actual or anticipated date of compliance; if already in compliance, Description of controls**		
63.654(g)	Report of periodic inspections, etc. AFTER documenting initial compliance?	63.654(g) **begin Sept 13, 1999 then semiannual**		

Table IV – CT 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**		
	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**		
	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**		
	Periodic Reports: Report EFR seal gap inspections if there was no out-of-compliance?	63.654(g)(3)(i) **Not required**		
	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**		
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**		
	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**		
	Report applicability for varying-use tanks?	63.654(h)(6)(ii) **w/the initial NOC Status report**		
	Other (initial) Reports: Report applicability for varying-use tanks?	63.654(h)(6)(ii) **required with the initial Notification of Compliance Status report**		
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**		

Table IV – CT 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** *		
	Recordkeeping for inspections: Keep inspection reports as specified.	63.654(i)(1) 63.123(c) - (e) **all inspections**		
	Records of EFR inspection reports:	63.654(i)(1) 63.123(d) **all inspections**		
	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**		
	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**		
NESHAP 40 CFR 61 Subpart FF	**National Emission Standard for Benzene Waste Operations (3/7/90)**		**Y**	
61.342	Standards: General		Y	
61.342(a)	exemption for facilities with less than 10 Mg/yr of benzene in waste from 61.342(b) and 61.342(c)		Y	
61.342(b)	facilities with 10 Mg/yr or more of benzene in waste shall comply with 61.342(c) through 61.342(h)		Y	
61.342(c)	for facilities with 10 Mg/yr or more of benzene in waste:		Y	
61.342(c)(1)	benzene-containing streams shall be treated in accordance with 61.342(c)(1)(i), 61.342(c)(1)(ii) and 61.342(c)(1)(iii), UNLESS it is demonstrated that weighted average benzene concentration is less than 10 ppmw [61.342(c)(2)], OR the stream contains process wastewater with a flowrate less than 0.02 l/min or an annual throughput of less than 10 Mg/yr [61.342(c)(3)(i)],		Y	

Table IV – CT 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
	OR the low-flow exemption in 61.342(c)(3)(i) is not used, no more than 2.0 Mg/yr of total benzene throughput is exempted from treatment, and the benzene throughput in each exempted stream is quantified each year [61.342(c)(3)(ii)]		
61.342(c)(1)(i)	remove or destroy benzene in process or wastewater streams in accordance with 61.348	Y	
61.342(c)(1)(ii)	comply with 61.343 through 61.347 for treatment units operated in accordance with 61.342(c)(1)(i)	Y	
61.342(c)(1)(iii)	recycled wastes that have been returned to a process are no longer subject to 61.342(c)	Y	
61.342(d)	alternative to 61.342(c) standards for facilities with 10 Mg/yr or more of benzene in waste:	Y	
61.342(d)(1)	non-process wastewater shall be treated in accordance with 61.342(c)(1)	Y	
61.342(d)(2)	for process wastewater:	Y	
61.342(d)(2)(i)	treat process wastewater such that benzene content is reduced to a total of less than 1 Mg/yr	Y	
61.342(d)(2)(ii)	each wastewater stream that is treated in accordance with 61.342(d)(2)(i), shall be treated in accordance with 61.342(c)(1)	Y	
61.342(e)	alternative to 61.342(c) and 61.342(d) standards for facilities with 10 Mg/yr or more of benzene in waste:	Y	
61.342(e)(1)	waste with a flow-weighted annual average water content of less than 10% shall be treated in accordance with 61.342(c)(1)	Y	
61.342(e)(2)	for waste with a flow-weighted annual average water content of 10% or more by volume:	Y	
61.342(e)(2)(i)	waste shall not contain more than 6.0 Mg/yr benzene	Y	
61.342(f)	offsite treatment option	Y	
61.343	Standards: Tanks	Y	
61.343(a)(1)	Owner/operator shall install, operate, and maintain a fixed-roof and closed-vent system that routes all organic vapors vented from the tank to a control device.	Y	

Table IV – CT 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
61.343(a)(1)(i)	Fixed Roof leak requirements - < 500 ppmv above background, determined initially then annually by method in 61.355(h) of this subpart.	Y	
61.343(a)(1)(ii)	Closed-vent system and control device designed and operated in accordance with 61.349 of this subpart	Y	
61.343(b)	For a tank that meets all of the conditions of paragraph (b)(1), the owner/operator may elect to comply with paragraph (b)(2) as an alternative to the requirements of (a)(1).	Y	
61.343(b)(1)	The waste managed in the tank complying with (b)(2) shall meet all of the following conditions: wastestream managed in the tank must have a flow-weighted annual average water content less than or equal to 10% water, on a volume basis and the waste managed in the tank either: has a maximum organic vapor pressure less than 0.75 psi, or has a maximum organic vapor pressure less than 4.0 psi and is managed in a tank less than 40,000 gallons, or has a maximum organic vapor pressure less than 11.1 psi and is managed in a tank having a design capacity less than 20,000 gallons.	Y	
61.343(b)(2)	Owner/operator shall install, operate, and maintain a fixed roof as specified in paragraph (a)(1)(i).	Y	
61.343(b)(3)	may use devices that vent directly to atmosphere provided the devices are closed, sealed during normal operations exc ept when the device needs to open to prevent damage or deformation of the tank or cover.	Y	
61.343(c)	Inspect all fixed-roof, seal, access doors, and all other openings visually initially and quarterly for cracks and gaps and that doors and openings are closed and gasketed properly.	Y	
61.343(d)	When a broken seal or gasket is identified, or when detectable emissions are measured, first efforts at repair shall be made as soon as practicable, but not later than 45 calendar days after identification.	Y	
61.348	Standards: Treatment processes	Y	
61.351	Alternative standards for tanks.	Y	
61.354	Monitoring of operations	Y	
61.354(a)(ii)	process parameters shall be continuously monitored and recorded and inspected at least once per operating day to verify proper operation	Y	
61.355	Test methods, procedures and compliance provisions	Y	
61.355(b)(1)	quantification of annual waste quantity at sour water strippers (including ammonia stills at coke by-product plants) shall be made at the water effluent from the still	Y	

Table IV – CT 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
61.355(c)(1)(i)(A)	quantification of flow-weighted annual average benzene concentration (including ammonia stills at coke by-product plants) shall be made at the water effluent from the still	Y	
61.356	Recordkeeping requirements	Y	
61.356(a)	recordkeeping and retention requirements	Y	
61.356(b)	waste stream records	Y	
61.357	Reporting requirements	Y	
61.357(c)	reporting requirements for facilities with less than 10 Mg/yr total benzene in waste	Y	
61.357(d)	reporting requirements for facilities with 10 Mg/yr or more total benzene in waste	Y	
BAAQMD Condition # 8636	**Permit Conditions**		

Table IV – CU 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 FOR EXTERNAL FLOATING ROOF TANKS**			
111	**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?	111 **Yes, but only allowed for stock change, tank cleaning, or repairs, & requires written notice**		
	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?	111.1 **not required, but 3-day notice is required prior to removing tank from service**		
112	Are EFR rim seals allowed to be pulled back or temporarily removed during inspection?	112 **YES **** **7-day time limit**		
	Notification of Inspections: Are notifications of inspections to demonstrate initial compliance required, For EFR seal gap measurements:	112.4 **7-day notice required prior to secondary seal replacement; no other notifications specified pertaining to seals**		
311	**EFR Rim Seals:** vapor-mounted primary seal:	311.1, 321 **Not Allowed**		
	liquid-mounted primary seal:	321.4, 320.1 **OK with rim- mounted secondary**		
	mechanical-shoe primary seal:	321.3, 320.1 **OK with rim- mounted secondary** *		
320	EFR deck openings other than for vents to project into liquid?	320.2.1, 4.1 & 5.1 **REQUIRED**		
	EFR vents to be gasketed?	320.2.2 **REQUIRED**		
	Deck openings (wells) other than for vents, drains, or legs to have covers that are kept closed except for access?	320.2.2 & 4.2 **maximum gap = 1/8 in. (& drains not exempt)**		
	EFR well covers to be gasketed?	320.2.2 & 4.2 **REQUIRED**		

Table IV – CU 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 rim space vents to remain closed e xcept when the pressure setting is exceeded?	320.3 **REQUIRED** *		
	EFR auto. bleeder vent (vacuum breaker) to be closed except when the deck is landed?	320.3 **REQUIRED** *		
	EFR guidepole wells to have a deck cover gasket and a pole wiper?	320.5.2 **REQUIRED** *		
	EFRT slotted guidepoles to have either an internal float or a pole sleeve?	320.5.2 **REQUIRED** *		
	EFR emergency roof drains to have seals covering at least 90% of the opening?	320.6 **REQUIRED**		
321	DETERMINATION OF EFR RIM-SEAL GAP AREAS: Sum the gap areas & divide by the diameter of the tank?	321 & 322 **different procedure, limiting the % of circumference over which the gap can be exceeded**		
	UNSAFE CONDITIONS: Delay of EFR seal gap measurements allowed for unsafe conditions? If unable to make safe to measure, must the EFRT be emptied?	321 & 322 **not addressed** 321 & 322 **not addressed**		
	Shall there be no holes, tears, or openings in the EFR seals?	321.1 & 322.1 **YES**		
	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?	321.3 **YES**		
	EFR Primary Seal Gap Inspection Criteria: maximum area: maximum gap width:	321.3 & 321.4 * **0.5 - 2.5 in.** *		
322	**EFR Secondary Seal Gap Inspection Criteria:** maximum area: maximum gap width:	322 **≤ 5% with gap > 0.02 in.*** **0.06 in.**		

Table IV – CU 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
328	Temporary exemption from operating requirements while the external floating roof is landed on its support legs? *	328 & 329 **exempt per 111, but 328 & 329 impose restrictions on tank cleaning & on activities commenced on excess ozone days**		
401	**Seal Gap Measurements:** FREQUENCY AFTER INITIAL COMPLIANCE, For the EFR Primary Seal:	401 **every 5 years** *		
402	**Seal Gap Measurements:** FREQUENCY AFTER INITIAL COMPLIANCE, For the EFR Secondary Seal:	402 **annually** *		
	EFR Internal Inspections: up-close visual inspection of the floating roof, seals, & fittings:	402 **at the same schedule as the secondary seal**		
404	**Seal Gap Measurements:** For new EFRTs:	404 **submit certification of seal gap measurements upon installation**		
	Notification of Compliance Status report:	404 **certification to be submitted upon installation for floating-roof rim seals**		
	EFRT report to include:	404 **seal gap measurements**		
	Periodic Reports: Miscellaneous additional info to report:	404.3 **annual certification of tank degassing equipment**		
405	**Periodic Reports:** Report EFR seal gap inspections if there was no out-of-compliance?	405 **REQUIRED** **(at same frequency as the measurements, but does not specify how promptly; but 404.2.1 specifies that interval between certification of annual secondary seal inspections shall not exceed 15 months)**		

Table IV – CU 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 EFR seal gap inspections when there is out-of-compliance?	405 **REQUIRED** **(at same frequency as the measurements, but does not specify how promptly; but 404.2.1 specifies that interval between certification of annual secondary seal inspections shall not exceed 15 months)**		
	Periodic Reports: Report of EFR inspection failures to include:	405 **date of inspection, actual seal gap data, & determination of compliance**		
501	**Applicability records:** Additional recordkeeping requirements for certain tanks.	501 **type of liquid stored & its TVP, for all nonexempt tanks** *		
602	**True vapor pressure (TVP) determination for applicability:**	602 or 604 **based on maximum (instantaneous) tank storage temperature**		
Refinery MACT	**NESHAP for Petroleum Refineries** **REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS**			
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**		
	General recordkeeping requirements: Keep all reports and notification for the specified period of time.	63.642(e) & 63.654(i)(4) **required**		
63.646(a)	**EFR Rim Seals:** vapor-mounted primary seal: liquid-mounted primary seal: mechanical-shoe primary seal:	63.646(a) 63.119(c)(1)(i) - (1)(iii) **Not Allowed** **OK with rim-mounted secondary** **OK with rim-mounted secondary**		
	Must vapor-mounted rim seals be continuous on EFRs?	63.646(a) 63.119(c)(1)(iii) **YES**		
	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**		

Table IV – CU 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
	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**		
	Temporary exemption from operating requirements while the external floating roof is landed on its support legs? *	63.646(a) 63.119(c)(3) **EXEMPT**		
	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**		
	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**		
	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**		
	Seal Gap Measurements: FREQUENCY AFTER INITIAL COMPLIANCE, For the EFR Primary Seal:	63.646(a) 63.120(b)(1)(i) **every 5 years**		
	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**		
	Seal Gap Measurements: For new EFRTs:	63.646(a) 63.120(b)(1)(i) & (iii) **measure gaps of both seals prior to initial fill**		
	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**		

Table IV – CU Cluster 26
Source-specific Applicable Requirements
S428 – Tank A-428

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	Seal Gap Measurements: FREQUENCY AFTER INITIAL COMPLIANCE, For the EFR Secondary Seal:	63.646(a) 63.120(b)(1)(iii) **annually**		
	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**		
	MEASUREMENT COND'S: Are EFR seal gap measurements to be made with the roof floating?	63.646(a) 63.120(b)(2)(i) **YES**		
	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**		
	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**		
	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**		
	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.**		
	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.**		
	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**		
	Shall there be no holes, tears, or openings in the EFR seals?	63.646(a) 63.120(b)(5)(ii) & (6)(ii) **YES**		

Table IV – CU 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
	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**		
	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**		
	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**		
	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**		
	EFRT REPAIRS: Repair of defects if the tank is empty?	63.646(a) 63.120(b)(10)(i) **prior to refilling**		
63.646(c)	EFR well covers to be gasketed?	63.646(c) **not required at existing sources**		
	EFR vents to be gasketed?	63.646(c) **not required at existing sources**		
	EFR deck openings other than for vents to project into liquid?	63.646(c) **not required at existing sources**		
	EFR access hatch & gauge float well covers to be bolted closed?	63.646(c) **not required at existing sources**		
	EFR emergency roof drains to have seals covering at least 90% of the opening?	63.646(c) **not required at existing sources**		
	EFR guidepole wells to have a deck cover gasket and a pole wiper?	63.646(c) **not required at existing sources**		
	EFRT unslotted guidepoles to have a gasketed cap at the top of the pole?	63.646(c) **not required at existing sources**		

Table IV – CU 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
	EFRT slotted guidepoles to have either an internal float or a pole sleeve?	63.646(c) **not required at existing sources**		
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**		
	EFR rim space vents to remain closed except when the pressure setting is exceeded?	63.646(f)(2) **REQUIRED**		
	EFR auto. bleeder vent (vacuum breaker) to be closed except when the deck is landed?	63.646(f)(3) **REQUIRED**		
63.646(h)	**Initial Notification:** Is initial notification of the source's existence required?	63.646(h) Table 6 Ref. 63.9 (b)(2) **Not required**		
63.646(i)	**Implementation Plan:**	63.646(i) & 63.652(b) **Not required***		
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**		
63.654(f)	Report (document) having initially achieved compliance?	63.654(f) **later of next Periodic Report after achieving compliance or 1/15/99**		
	Notification of Compliance Status report:	63.654(f) **later of next Periodic Report after compliance or January 15, 1999 ***		
	Report determination of applicability for other individual tanks (i.e., for MACT rules, whether Group1 or Group2)?	63.654(f)(1)(i)(A) **withinitial Notification of Compliance Status; Jan. 15, 1999**		
	EFRT report to include:	63.654(f)(1)(i)(A) **Group determinations, actual or anticipated date of compliance; if already in compliance, Description of controls**		
63.654(g)	Report of periodic inspections, etc. AFTER documenting initial compliance?	63.654(g) **begin Sept 13, 1999 then semiannual**		

Table IV – CU 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**		
	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**		
	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**		
	Periodic Reports: Report EFR seal gap inspections if there was no out-of-compliance?	63.654(g)(3)(i) **Not required**		
	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**		
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**		
	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**		
	Report applicability for varying-use tanks?	63.654(h)(6)(ii) **w/the initial NOC Status report**		
	Other (initial) Reports: Report applicability for varying-use tanks?	63.654(h)(6)(ii) **required with the initial Notification of Compliance Status report**		
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**		

Table IV – CU 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** *		
	Recordkeeping for inspections: Keep inspection reports as specified.	63.654(i)(1) 63.123(c) - (e) **all inspections**		
	Records of EFR inspection reports:	63.654(i)(1) 63.123(d) **all inspections**		
	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**		
	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**		
NESHAP 40 CFR 61 Subpart FF	**National Emission Standard for Benzene Waste Operations (3/7/90)**		**Y**	
61.342	Standards: General		Y	
61.342(a)	exemption for facilities with less than 10 Mg/yr of benzene in waste from 61.342(b) and 61.342(c)		Y	
61.342(b)	facilities with 10 Mg/yr or more of benzene in waste shall comply with 61.342(c) through 61.342(h)		Y	
61.342(c)	for facilities with 10 Mg/yr or more of benzene in waste:		Y	
61.342(c)(1)	benzene-containing streams shall be treated in accordance with 61.342(c)(1)(i), 61.342(c)(1)(ii) and 61.342(c)(1)(iii), UNLESS it is demonstrated that weighted average benzene concentration is less than 10 ppmw [61.342(c)(2)], OR the stream contains process wastewater with a flowrate less than 0.02 l/min or an annual throughput of less than 10 Mg/yr [61.342(c)(3)(i)],		Y	

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Source-specific Applicable Requirements
S428 – Tank A-428

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	OR the low-flow exemption in 61.342(c)(3)(i) is not used, no more than 2.0 Mg/yr of total benzene throughput is exempted from treatment, and the benzene throughput in each exempted stream is quantified each year [61.342(c)(3)(ii)]		
61.342(c)(1)(i)	remove or destroy benzene in process or wastewater streams in accordance with 61.348	Y	
61.342(c)(1)(ii)	comply with 61.343 through 61.347 for treatment units operated in accordance with 61.342(c)(1)(i)	Y	
61.342(c)(1)(iii)	recycled wastes that have been returned to a process are no longer subject to 61.342(c)	Y	
61.342(d)	alternative to 61.342(c) standards for facilities with 10 Mg/yr or more of benzene in waste:	Y	
61.342(d)(1)	non-process wastewater shall be treated in accordance with 61.342(c)(1)	Y	
61.342(d)(2)	for process wastewater:	Y	
61.342(d)(2)(i)	treat process wastewater such that benzene content is reduced to a total of less than 1 Mg/yr	Y	
61.342(d)(2)(ii)	each wastewater stream that is treated in accordance with 61.342(d)(2)(i), shall be treated in accordance with 61.342(c)(1)	Y	
61.342(e)	alternative to 61.342(c) and 61.342(d) standards for facilities with 10 Mg/yr or more of benzene in waste:	Y	
61.342(e)(1)	waste with a flow-weighted annual average water content of less than 10% shall be treated in accordance with 61.342(c)(1)	Y	
61.342(e)(2)	for waste with a flow-weighted annual average water content of 10% or more by volume:	Y	
61.342(e)(2)(i)	waste shall not contain more than 6.0 Mg/yr benzene	Y	
61.342(f)	offsite treatment option	Y	
61.343	Standards: Tanks	Y	
61.343(a)(1)	Owner/operator shall install, operate, and maintain a fixed-roof and closed-vent system that routes all organic vapors vented from the tank to a control device.	Y	

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Source-specific Applicable Requirements
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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
61.343(a)(1)(i)	Fixed Roof leak requirements - < 500 ppmv above background, determined initially then annually by method in 61.355(h) of this subpart.	Y	
61.343(a)(1)(ii)	Closed-vent system and control device designed and operated in accordance with 61.349 of this subpart	Y	
61.343(b)	For a tank that meets all of the conditions of paragraph (b)(1), the owner/operator may elect to comply with paragraph (b)(2) as an alternative to the requirements of (a)(1).	Y	
61.343(b)(1)	The waste managed in the tank complying with (b)(2) shall meet all of the following conditions: wastestream managed in the tank must have a flow-weighted annual average water content less than or equal to 10% water, on a volume basis and the waste managed in the tank either: has a maximum organic vapor pressure less than 0.75 psi, or has a maximum organic vapor pressure less than 4.0 psi and is managed in a tank less than 40,000 gallons, or has a maximum organic vapor pressure less than 11.1 psi and is managed in a tank having a design capacity less than 20,000 gallons.	Y	
61.343(b)(2)	Owner/operator shall install, operate, and maintain a fixed roof as specified in paragraph (a)(1)(i).	Y	
61.343(b)(3)	may use devices that vent directly to atmosphere provided the devices are closed, sealed during normal operations except when the device needs to open to prevent damage or deformation of the tank or cover.	Y	
61.343(c)	Inspect all fixed-roof, seal, access doors, and all other openings visually initially and quarterly for cracks and gaps and that doors and openings are closed and gasketed properly.	Y	
61.343(d)	When a broken seal or gasket is identified, or when detectable emissions are measured, first efforts at repair shall be made as soon as practicable, but not later than 45 calendar days after identification.	Y	
61.348	Standards: Treatment processes	Y	
61.351	Alternative standards for tanks.	Y	
61.354	Monitoring of operations	Y	
61.354(a)(ii)	process parameters shall be continuously monitored and recorded and inspected at least once per operating day to verify proper operation	Y	
61.355	Test methods, procedures and compliance provisions	Y	
61.355(b)(1)	quantification of annual waste quantity at sour water strippers (including ammonia stills at coke by-product plants) shall be made at the water effluent from the still	Y	

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S428 – Tank A-428

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
61.355(c)(1)(i)(A)	quantification of flow-weighted annual average benzene concentration (including ammonia stills at coke by-product plants) shall be made at the water effluent from the still	Y	
61.356	Recordkeeping requirements	Y	
61.356(a)	recordkeeping and retention requirements	Y	
61.356(b)	waste stream records	Y	
61.357	Reporting requirements	Y	
61.357(c)	reporting requirements for facilities with less than 10 Mg/yr total benzene in waste	Y	
61.357(d)	reporting requirements for facilities with 10 Mg/yr or more total benzene in waste	Y	

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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 REQUIREMENTS FOR INTERNAL FLOATING ROOF TANKS**			
111	**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?	111 **Yes, but only allowed for stock change, tank cleaning, or repairs, & requires written notice**		
	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?	111.1 **not required, but 3-day notice is required prior to removing tank from service**		
311	**IFR Rim Seals:** vapor-mounted primary seal:	311.2, 320.1 * **OK with rim-mounted secondary**		
	liquid-mounted primary seal:	**OK alone**		
	mechanical-shoe primary seal:	**OK alone**		
320	IFR deck openings other than for vents to project into liquid?	320.2.1, 4.1 & 5.1 **REQUIRED**		
	IFR vents to be gasketed?	320.2.2 **REQUIRED**		
	IFR well covers to be gasketed?	320.2.2 & 4.2 **REQUIRED**		
	Deck openings (wells) other than for vents, drains, or legs to have covers that are kept closed except for access?	320.2.2, 2.3 & 4.2 **maximum gap = 1/8 in. (& drains not exempt) if inaccessible, no gaps are to be visible from the fixed roof manway**		
	IFR rim space vents to remain closed except when the pressure setting is exceeded?	320.3 **REQUIRED** *		
	IFR auto. bleeder vent (vacuum breaker) to be closed except when the deck is landed?	320.3 **REQUIRED** *		

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Source-specific Applicable Requirements
S696 – Tank A-696

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	IFR guidepole & column wells allowed a flexible-fabric sleeve seal or a gasketed cover?	320.4.2 **maximum gap = 1/8 in.**		
	IFRT slotted guidepoles to have a deck cover gasket and pole wiper, and either an internal float or a pole sleeve?	320.5.2 **Float/Sleeve** **Not Required**		
321	Are there to be no IFR rim seal gaps that are visible from the tank top?	321 & 322 **if installed after 2/1/93, requires the same gap criteria as for EFRs** *		
	Shall there be no holes, tears, or openings in the IFR seals?	321.1 & 322.1 **YES**		
	Is the metallic shoe of an IFR mechanical-shoe seal required to have its bottom in the liquid and extend at least 24 in. above the liquid?	321.3 **IFR shoe to extend 18 in. above the liquid**		
328	Temporary exemption from operating requirements while the internal floating roof is landed on its support legs? *	328 & 329 **exempt per 111, but 328 & 329 impose restrictions on tank cleaning & on activities commenced on excess ozone days**		
330	Is there to be no liquid on the internal floating roof?	330 **at least 3 viewports required, but no specific prohibition on liquid on the IFR**		
401	**IFR/CFR Internal Inspections:** (up close visual inspection of the floating roof, seals, & fittings):	401 & 402 **every 10 years**		
403	**Tank Top Visual Inspections** (of IFR/CFR from manways and hatches of the fixed roof):	403 **annually**		
404	**Notification of Compliance Status report:**	404 **certification to be submitted upon installation for floating-roof rim seals**		
	IFRT report to include:	404 **seal gap measurements (if applicable)**		
	Periodic Reports: Miscellaneous additional info to report:	404.3 **annual certification of tank degassing equipment**		

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Source-specific Applicable Requirements
S696 – Tank A-696

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
405	**Periodic Reports:** Report of IFR/CFR inspection failures to include:	405 **date of inspection, actual seal gap data, & determination of compliance** *		
501	**Applicability records:** Additional recordkeeping requirements for certain tanks.	501 **type of liquid stored & its TVP, for all nonexempt tanks** *		
602	**True vapor pressure (TVP) determination for applicability:**	602 or 604 **based on maximum (instantaneous) tank storage temperature**		
Refinery MACT	**NESHAP for Petroleum Refineries** **REQUIREMENTS FOR INTERNAL FLOATING ROOF TANKS**			
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**		
	General recordkeeping requirements: Keep all reports and notification for the specified period of time.	63.642(e) & 63.654(i)(4) **required**		
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**		
	Temporary exemption from operating requirements while the internal floating roof is landed on its support legs? *	63.646(a) 63.119(b)(1) **EXEMPT**		
	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**		
	Must IFR vapor-mounted rim seals be continuous?	63.646(a) 63.119(b)(3)(iii) **REQUIRED**		
	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**		

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Source-specific Applicable Requirements
S696 – Tank A-696

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	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**		
	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**		
	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**		
	Is there to be no liquid on the internal floating roof?	63.646(a) 63.120(a)(4) **REQUIRED**		
	Are there to be no IFR rim seal gaps that are visible from the tank top?	63.646(a) 63.120(a)(4) **REQUIRED** *		
	Shall there be no holes, tears, or openings in the IFR seals?	63.646(a) 63.120(a)(4) & (7) **REQUIRED**		
	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**		
	IFRT REPAIRS: If unable to repair, empty the tank & remove from service?	63.646(a) 63.120(a)(4) **YES, within 45 days**		
	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**		
	IFRT REPAIRS: Repair of defects if the tank is empty?	63.646(a) 63.120(a)(7) **prior to refilling**		
63.646(c)	IFR well covers to be gasketed?	63.646(c) **not required at existing sources**		
	IFR vents to be gasketed?	63.646(c) **not required at existing sources**		
	IFR deck openings other than for vents to project into liquid?	63.646(c) **not required at existing sources**		
	IFR access hatch & gauge float well covers to be bolted closed?	63.646(c) **not required at existing sources**		

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Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	IFR guidepole & column wells allowed a flexible-fabric sleeve seal or a gasketed cover?	63.646(c) **not applicable at existing sources**		
	IFRT unslotted guidepoles to have a gasketed cap at the top of the pole?	63.646(c) **not required at existing sources**		
	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**		
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**		
	IFR rim space vents to remain closed except when the pressure setting is exceeded?	63.646(f)(2) **REQUIRED**		
	IFR auto. bleeder vent (vacuum breaker) to be closed except when the deck is landed?	63.646(f)(3) **REQUIRED**		
63.646(h)	**Initial Notification:** Is initial notification of the source's existence required?	63.646(h) Table 6 Ref. 63.9 (b)(2) **Not required**		
63.646(i)	**Implementation Plan:**	63.646(i) & 63.652(b) **Not required***		
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**		
63.654(f)	Report (document) having initially achieved compliance?	63.654(f) **later of next Periodic Report after achieving compliance or 1/15/99**		
	Notification of Compliance Status report:	63.654(f) **later of next Periodic Report after compliance or January 15, 1999 ***		
	Report determination of applicability for other individual tanks (i.e., for MACT rules, whether Group1 or Group2)?	63.654(f)(1)(i)(A) **within initial Notification of Compliance Status; Jan. 15, 1999**		
	IFRT report to include:	63.654(f)(1)(i)(A) **Group determinations, actual or anticipated date of compliance; if already in compliance, Description of controls**		

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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**		
	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**		
	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**		
	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**		
	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**		
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**		
	Report applicability for varying-use tanks?	63.654(h)(6)(ii) **w/the initial NOC Status report**		
	Other (initial) Reports: Report applicability for varying-use tanks?	63.654(h)(6)(ii) **required with the initial Notification of Compliance Status report**		
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**		
	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 ***		

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Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	Recordkeeping for inspections: Keep inspection reports as specified.	63.654(i)(1) 63.123(c) - (e) **all inspections**		
	Records of IFR & CFR inspection reports:	63.654(i)(1) 63.123(c) & (e) **all inspections**		
	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**		
	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**		
BAAQMD Condition # 11707	**Permit Conditions**			

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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 REQUIREMENTS FOR INTERNAL FLOATING ROOF TANKS**			
111	**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?	111 **Yes, but only allowed for stock change, tank cleaning, or repairs, & requires written notice**		
	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?	111.1 **not required, but 3-day notice is required prior to removing tank from service**		
311	**IFR Rim Seals:**			
	vapor-mounted primary seal:	311.2, 320.1 * **OK with rim-mounted secondary**		
	liquid-mounted primary seal:	**OK alone**		
	mechanical-shoe primary seal:	**OK alone**		
320	IFR deck openings other than for vents to project into liquid?	320.2.1, 4.1 & 5.1 **REQUIRED**		
	IFR vents to be gasketed?	320.2.2 **REQUIRED**		
	IFR well covers to be gasketed?	320.2.2 & 4.2 **REQUIRED**		
	Deck openings (wells) other than for vents, drains, or legs to have covers that are kept closed except for access?	320.2.2, 2.3 & 4.2 **maximum gap = 1/8 in. (& drains not exempt) if inaccessible, no gaps are to be visible from the fixed roof manway**		
	IFR rim space vents to remain closed except when the pressure setting is exceeded?	320.3 **REQUIRED** *		
	IFR auto. bleeder vent (vacuum breaker) to be closed except when the deck is landed?	320.3 **REQUIRED** *		

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Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	IFR guidepole & column wells allowed a flexible-fabric sleeve seal or a gasketed cover?	320.4.2 **maximum gap = 1/8 in.**		
	IFRT slotted guidepoles to have a deck cover gasket and pole wiper, and either an internal float or a pole sleeve?	320.5.2 **Float/Sleeve Not Required**		
321	Are there to be no IFR rim seal gaps that are visible from the tank top?	321 & 322 **if installed after 2/1/93, requires the same gap criteria as for EFRs** * *		
	Shall there be no holes, tears, or openings in the IFR seals?	321.1 & 322.1 **YES**		
	Is the metallic shoe of an IFR mechanical-shoe seal required to have its bottom in the liquid and extend at least 24 in. above the liquid?	321.3 **IFR shoe to extend 18 in. above the liquid**		
328	Temporary exemption from operating requirements while the internal floating roof is landed on its support legs? *	328 & 329 **exempt per 111, but 328 & 329 impose restrictions on tank cleaning & on activities commenced on excess ozone days**		
330	Is there to be no liquid on the internal floating roof?	330 **at least 3 viewports required, but no specific prohibition on liquid on the IFR**		
401	**IFR/CFR Internal Inspections:** (up close visual inspection of the floating roof, seals, & fittings):	401 & 402 **every 10 years**		
403	**Tank Top Visual Inspections** (of IFR/CFR from manways and hatches of the fixed roof):	403 **annually**		
404	**Notification of Compliance Status report:**	404 **certification to be submitted upon installation for floating-roof rim seals**		
	IFRT report to include:	404 **seal gap measurements (if applicable)**		
	Periodic Reports: Miscellaneous additional info to report:	404.3 **annual certification of tank degassing equipment**		

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S697 – Tank A-697

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
405	**Periodic Reports:** Report of IFR/CFR inspection failures to include:	405 **date of inspection, actual seal gap data, & determination of compliance** *		
501	**Applicability records:** Additional recordkeeping requirements for certain tanks.	501 **type of liquid stored & its TVP, for all nonexempt tanks** *		
602	**True vapor pressure (TVP) determination for applicability:**	602 or 604 **based on maximum (instantaneous) tank storage temperature**		
Refinery MACT	**NESHAP for Petroleum Refineries** **REQUIREMENTS FOR INTERNAL FLOATING ROOF TANKS**			
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**		
	General recordkeeping requirements: Keep all reports and notification for the specified period of time.	63.642(e) & 63.654(i)(4) **required**		
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**		
	Temporary exemption from operating requirements while the internal floating roof is landed on its support legs? *	63.646(a) 63.119(b)(1) **EXEMPT**		
	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**		
	Must IFR vapor-mounted rim seals be continuous?	63.646(a) 63.119(b)(3)(iii) **REQUIRED**		
	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**		

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S697 – Tank A-697

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	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**		
	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**		
	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**		
	Is there to be no liquid on the internal floating roof?	63.646(a) 63.120(a)(4) **REQUIRED**		
	Are there to be no IFR rim seal gaps that are visible from the tank top?	63.646(a) 63.120(a)(4) **REQUIRED** *		
	Shall there be no holes, tears, or openings in the IFR seals?	63.646(a) 63.120(a)(4) & (7) **REQUIRED**		
	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**		
	IFRT REPAIRS: If unable to repair, empty the tank & remove from service?	63.646(a) 63.120(a)(4) **YES, within 45 days**		
	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**		
	IFRT REPAIRS: Repair of defects if the tank is empty?	63.646(a) 63.120(a)(7) **prior to refilling**		
63.646(c)	IFR well covers to be gasketed?	63.646(c) **not required at existing sources**		
	IFR vents to be gasketed?	63.646(c) **not required at existing sources**		
	IFR deck openings other than for vents to project into liquid?	63.646(c) **not required at existing sources**		
	IFR access hatch & gauge float well covers to be bolted closed?	63.646(c) **not required at existing sources**		

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Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	IFR guidepole & column wells allowed a flexible-fabric sleeve seal or a gasketed cover?	63.646(c) **not applicable at existing sources**		
	IFRT unslotted guidepoles to have a gasketed cap at the top of the pole?	63.646(c) **not required at existing sources**		
	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**		
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**		
	IFR rim space vents to remain closed except when the pressure setting is exceeded?	63.646(f)(2) **REQUIRED**		
	IFR auto. bleeder vent (vacuum breaker) to be closed except when the deck is landed?	63.646(f)(3) **REQUIRED**		
63.646(h)	**Initial Notification:** Is initial notification of the source's existence required?	63.646(h) Table 6 Ref. 63.9 (b)(2) **Not required**		
63.646(i)	**Implementation Plan:**	63.646(i) & 63.652(b) **Not required***		
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**		
63.654(f)	Report (document) having initially achieved compliance?	63.654(f) **later of next Periodic Report after achieving compliance or 1/15/99**		
	Notification of Compliance Status report:	63.654(f) **later of next Periodic Report after compliance or January 15, 1999** *		
	Report determination of applicability for other individual tanks (i.e., for MACT rules, whether Group1 or Group2)?	63.654(f)(1)(i)(A) **withinitial Notification of Compliance Status; Jan. 15, 1999**		
	IFRT report to include:	63.654(f)(1)(i)(A) **Group determinations, actual or anticipated date of compliance; if already in compliance, Description of controls**		

Table IV – CY Cluster 27
Source-specific Applicable Requirements
S697 – Tank A-697

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
63.654(g)	Report of periodic inspections, etc. AFTER documenting initial compliance?	63.654(g) **begin Sept 13, 1999 then semiannual**		
	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**		
	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**		
	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**		
	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**		
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**		
	Report applicability for varying-use tanks?	63.654(h)(6)(ii) **w/the initial NOC Status report**		
	Other (initial) Reports: Report applicability for varying-use tanks?	63.654(h)(6)(ii) **required with the initial Notification of Compliance Status report**		
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**		
	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** *		

Table IV – CY 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
	Recordkeeping for inspections: Keep inspection reports as specified.	63.654(i)(1) 63.123(c) - (e) **all inspections**		
	Records of IFR & CFR inspection reports:	63.654(i)(1) 63.123(c) & (e) **all inspections**		
	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**		
	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**		

Table IV – CZ 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 REQUIREMENTS FOR INTERNAL FLOATING ROOF TANKS**			
111	**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?	111 **Yes, but only allowed for stock change, tank cleaning, or repairs, & requires written notice**		
	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?	111.1 **not required, but 3-day notice is required prior to removing tank from service**		
311	**IFR Rim Seals:**			
	vapor-mounted primary seal:	311.2, 320.1 * **OK with rim-mounted secondary**		
	liquid-mounted primary seal:	**OK alone**		
	mechanical-shoe primary seal:	**OK alone**		
320	IFR deck openings other than for vents to project into liquid?	320.2.1, 4.1 & 5.1 **REQUIRED**		
	IFR vents to be gasketed?	320.2.2 **REQUIRED**		
	IFR well covers to be gasketed?	320.2.2 & 4.2 **REQUIRED**		
	Deck openings (wells) other than for vents, drains, or legs to have covers that are kept closed except for access?	320.2.2, 2.3 & 4.2 **maximum gap = 1/8 in. (& drains not exempt) if inaccessible, no gaps are to be visible from the fixed roof manway**		
	IFR rim space vents to remain closed except when the pressure setting is exceeded?	320.3 **REQUIRED** *		
	IFR auto. bleeder vent (vacuum breaker) to be closed except when the deck is landed?	320.3 **REQUIRED** *		

Table IV – CZ 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
	IFR guidepole & column wells allowed a flexible-fabric sleeve seal or a gasketed cover?	320.4.2 **maximum gap = 1/8 in.**		
	IFRT slotted guidepoles to have a deck cover gasket and pole wiper, and either an internal float or a pole sleeve?	320.5.2 **Float/Sleeve** **Not Required**		
321	Are there to be no IFR rim seal gaps that are visible from the tank top?	321 & 322 **if installed after 2/1/93, requires the same gap criteria as for EFRs** *		
	Shall there be no holes, tears, or openings in the IFR seals?	321.1 & 322.1 **YES**		
	Is the metallic shoe of an IFR mechanical-shoe seal required to have its bottom in the liquid and extend at least 24 in. above the liquid?	321.3 **IFR shoe to extend 18 in. above the liquid**		
328	Temporary exemption from operating requirements while the internal floating roof is landed on its support legs? *	328 & 329 **exempt per 111, but 328 & 329 impose restrictions on tank cleaning & on activities commenced on excess ozone days**		
330	Is there to be no liquid on the internal floating roof?	330 **at least 3 viewports required, but no specific prohibition on liquid on the IFR**		
401	**IFR/CFR Internal Inspections:** (up close visual inspection of the floating roof, seals, & fittings):	401 & 402 **every 10 years**		
403	**Tank Top Visual Inspections** (of IFR/CFR from manways and hatches of the fixed roof):	403 **annually**		
404	**Notification of Compliance Status report:**	404 **certification to be submitted upon installation for floating-roof rim seals**		
	IFRT report to include:	404 **seal gap measurements (if applicable)**		
	Periodic Reports: Miscellaneous additional info to report:	404.3 **annual certification of tank degassing equipment**		

Table IV – CZ 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
405	**Periodic Reports:** Report of IFR/CFR inspection failures to include:	405 **date of inspection, actual seal gap data, & determination of compliance** *		
501	**Applicability records:** Additional recordkeeping requirements for certain tanks.	501 **type of liquid stored & its TVP, for all nonexempt tanks** *		
602	**True vapor pressure (TVP) determination for applicability:**	602 or 604 **based on maximum (instantaneous) tank storage temperature**		
Refinery MACT	**NESHAP for Petroleum Refineries** **REQUIREMENTS FOR INTERNAL FLOATING ROOF TANKS**			
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**		
	General recordkeeping requirements: Keep all reports and notification for the specified period of time.	63.642(e) & 63.654(i)(4) **required**		
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**		
	Temporary exemption from operating requirements while the internal floating roof is landed on its support legs? *	63.646(a) 63.119(b)(1) **EXEMPT**		
	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**		
	Must IFR vapor-mounted rim seals be continuous?	63.646(a) 63.119(b)(3)(iii) **REQUIRED**		
	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**		

Table IV – CZ 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
	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**		
	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**		
	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**		
	Is there to be no liquid on the internal floating roof?	63.646(a) 63.120(a)(4) **REQUIRED**		
	Are there to be no IFR rim seal gaps that are visible from the tank top?	63.646(a) 63.120(a)(4) **REQUIRED** *		
	Shall there be no holes, tears, or openings in the IFR seals?	63.646(a) 63.120(a)(4) & (7) **REQUIRED**		
	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**		
	IFRT REPAIRS: If unable to repair, empty the tank & remove from service?	63.646(a) 63.120(a)(4) **YES, within 45 days**		
	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**		
	IFRT REPAIRS: Repair of defects if the tank is empty?	63.646(a) 63.120(a)(7) **prior to refilling**		
63.646(c)	IFR well covers to be gasketed?	63.646(c) **not required at existing sources**		
	IFR vents to be gasketed?	63.646(c) **not required at existing sources**		
	IFR deck openings other than for vents to project into liquid?	63.646(c) **not required at existing sources**		
	IFR access hatch & gauge float well covers to be bolted closed?	63.646(c) **not required at existing sources**		

Table IV – CZ 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
	IFR guidepole & column wells allowed a flexible-fabric sleeve seal or a gasketed cover?	63.646(c) **not applicable at existing sources**		
	IFRT unslotted guidepoles to have a gasketed cap at the top of the pole?	63.646(c) **not required at existing sources**		
	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**		
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**		
	IFR rim space vents to remain closed except when the pressure setting is exceeded?	63.646(f)(2) **REQUIRED**		
	IFR auto. bleeder vent (vacuum breaker) to be closed except when the deck is landed?	63.646(f)(3) **REQUIRED**		
63.646(h)	**Initial Notification:** Is initial notification of the source's existence required?	63.646(h) Table 6 Ref. 63.9 (b)(2) **Not required**		
63.646(i)	**Implementation Plan:**	63.646(i) & 63.652(b) **Not required***		
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**		
63.654(f)	Report (document) having initially achieved compliance?	63.654(f) **later of next Periodic Report after achieving compliance or 1/15/99**		
	Notification of Compliance Status report:	63.654(f) **later of next Periodic Report after compliance or January 15, 1999 ***		
	Report determination of applicability for other individual tanks (i.e., for MACT rules, whether Group1 or Group2)?	63.654(f)(1)(i)(A) **withinitial Notification of Compliance Status; Jan. 15, 1999**		
	IFRT report to include:	63.654(f)(1)(i)(A) **Group determinations, actual or anticipated date of compliance; if already in compliance, Description of controls**		

Table IV – CZ 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
63.654(g)	Report of periodic inspections, etc. AFTER documenting initial compliance?	63.654(g) **begin Sept 13, 1999 then semiannual**		
	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**		
	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**		
	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**		
	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**		
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**		
	Report applicability for varying-use tanks?	63.654(h)(6)(ii) **w/the initial NOC Status report**		
	Other (initial) Reports: Report applicability for varying-use tanks?	63.654(h)(6)(ii) **required with the initial Notification of Compliance Status report**		
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**		
	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** *		

Table IV – CZ 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
	Recordkeeping for inspections: Keep inspection reports as specified.	63.654(i)(1) 63.123(c) - (e) **all inspections**		
	Records of IFR & CFR inspection reports:	63.654(i)(1) 63.123(c) & (e) **all inspections**		
	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**		
	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**		
BAAQMD Condition # 6740	**Permit Conditions**			

Table IV – DA 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 REQUIREMENTS FOR INTERNAL FLOATING ROOF TANKS**			
111	**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?	111 **Yes, but only allowed for stock change, tank cleaning, or repairs, & requires written notice**		
	Notification of Inspections: Is 30-day notice required for intemal inspections of IFRTs & CFRTs (i.e., prior to filling or refilling); but a 7-day verbal notice acceptable if the event is unplanned?	111.1 **not required, but 3-day notice is required prior to removing tank from service**		
311	**IFR Rim Seals:** vapor-mounted primary seal:	311.2, 320.1 * **OK with rim-mounted secondary**		
	liquid-mounted primary seal:	**OK alone**		
	mechanical-shoe primary seal:	**OK alone**		
320	IFR deck openings other than for vents to project into liquid?	320.2.1, 4.1 & 5.1 **REQUIRED**		
	IFR vents to be gasketed?	320.2.2 **REQUIRED**		
	IFR well covers to be gasketed?	320.2.2 & 4.2 **REQUIRED**		
	Deck openings (wells) other than for vents, drains, or legs to have covers that are kept closed except for access?	320.2.2, 2.3 & 4.2 **maximum gap = 1/8 in. (& drains not exempt) if inaccessible, no gaps are to be visible from the fixed roof manway**		
	IFR rim space vents to remain closed except when the pressure setting is exceeded?	320.3 **REQUIRED** *		
	IFR auto. bleeder vent (vacuum breaker) to be closed except when the deck is landed?	320.3 **REQUIRED** *		

Table IV – DA 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
	IFR guidepole & column wells allowed a flexible-fabric sleeve seal or a gasketed cover?	320.4.2 **maximum gap = 1/8 in.**		
	IFRT slotted guidepoles to have a deck cover gasket and pole wiper, and either an internal float or a pole sleeve?	320.5.2 **Float/Sleeve Not Required**		
321	Are there to be no IFR rim seal gaps that are visible from the tank top?	321 & 322 **if installed after 2/1/93, requires the same gap criteria as for EFRs** * *		
	Shall there be no holes, tears , or openings in the IFR seals?	321.1 & 322.1 **YES**		
	Is the metallic shoe of an IFR mechanical-shoe seal required to have its bottom in the liquid and extend at least 24 in. above the liquid?	321.3 **IFR shoe to extend 18 in. above the liquid**		
328	Temporary exemption from operating requirements while the internal floating roof is landed on its support legs? *	328 & 329 **exempt per 111, but 328 & 329 impose restrictions on tank cleaning & on activities commenced on excess ozone days**		
330	Is there to be no liquid on the internal floating roof?	330 **at least 3 viewports required, but no specific prohibition on liquid on the IFR**		
401	**IFR/CFR Internal Inspections:** (up close visual inspection of the floating roof, seals, & fittings):	401 & 402 **every 10 years**		
403	**Tank Top Visual Inspections** (of IFR/CFR from manways and hatches of the fixed roof):	403 **annually**		
404	**Notification of Compliance Status report:**	404 **certification to be submitted upon installation for floating-roof rim seals**		
	IFRT report to include:	404 **seal gap measurements (if applicable)**		
	Periodic Reports: Miscellaneous additional info to report:	404.3 **annual certification of tank degassing equipment**		

Table IV – DA 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
405	**Periodic Reports:** Report of IFR/CFR inspection failures to include:	405 **date of inspection, actual seal gap data, & determination of compliance** *		
501	**Applicability records:** Additional recordkeeping requirements for certain tanks.	501 **type of liquid stored & its TVP, for all nonexempt tanks** *		
602	**True vapor pressure (TVP) determination for applicability:**	602 or 604 **based on maximum (instantaneous) tank storage temperature**		
Refinery MACT	**NESHAP for Petroleum Refineries** **REQUIREMENTS FOR INTERNAL FLOATING ROOF TANKS**			
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**		
	General recordkeeping requirements: Keep all reports and notification for the specified period of time.	63.642(e) & 63.654(i)(4) **required**		
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**		
	Temporary exemption from operating requirements while the internal floating roof is landed on its support legs? *	63.646(a) 63.119(b)(1) **EXEMPT**		
	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**		
	Must IFR vapor-mounted rim seals be continuous?	63.646(a) 63.119(b)(3)(iii) **REQUIRED**		
	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**		

Table IV – DA 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
	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**		
	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**		
	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**		
	Is there to be no liquid on the internal floating roof?	63.646(a) 63.120(a)(4) **REQUIRED**		
	Are there to be no IFR rim seal gaps that are visible from the tank top?	63.646(a) 63.120(a)(4) **REQUIRED** *		
	Shall there be no holes, tears, or openings in the IFR seals?	63.646(a) 63.120(a)(4) & (7) **REQUIRED**		
	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**		
	IFRT REPAIRS: If unable to repair, empty the tank & remove from service?	63.646(a) 63.120(a)(4) **YES, within 45 days**		
	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**		
	IFRT REPAIRS: Repair of defects if the tank is empty?	63.646(a) 63.120(a)(7) **prior to refilling**		
63.646(c)	IFR well covers to be gasketed?	63.646(c) **not required at existing sources**		
	IFR vents to be gasketed?	63.646(c) **not required at existing sources**		
	IFR deck openings other than for vents to project into liquid?	63.646(c) **not required at existing sources**		
	IFR access hatch & gauge float well covers to be bolted closed?	63.646(c) **not required at existing sources**		

Table IV – DA 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
	IFR guidepole & column wells allowed a flexible-fabric sleeve seal or a gasketed cover?	63.646(c) **not applicable at existing sources**		
	IFRT unslotted guidepoles to have a gasketed cap at the top of the pole?	63.646(c) **not required at existing sources**		
	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**		
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**		
	IFR rim space vents to remain closed except when the pressure setting is exceeded?	63.646(f)(2) **REQUIRED**		
	IFR auto. bleeder vent (vacuum breaker) to be closed except when the deck is landed?	63.646(f)(3) **REQUIRED**		
63.646(h)	**Initial Notification:** Is initial notification of the source's existence required?	63.646(h) Table 6 Ref. 63.9 (b)(2) **Not required**		
63.646(i)	**Implementation Plan:**	63.646(i) & 63.652(b) **Not required***		
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**		
63.654(f)	Report (document) having in itially achieved compliance?	63.654(f) **later of next Periodic Report after achieving compliance or 1/15/99**		
	Notification of Compliance Status report:	63.654(f) **later of next Periodic Report after compliance or January 15, 1999 ***		
	Report determination of applicability for other individual tanks (i.e., for MACT rules, whether Group1 or Group2)?	63.654(f)(1)(i)(A) **withinitial Notification of Compliance Status; Jan. 15, 1999**		
	IFRT report to include:	63.654(f)(1)(i)(A) **Group determinations, actual or anticipated date of compliance; if already in compliance, Description of controls**		

Table IV – DA 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
63.654(g)	Report of periodic inspections, etc. AFTER documenting initial compliance?	63.654(g) **begin Sept 13, 1999 then semiannual**		
	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**		
	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**		
	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**		
	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**		
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**		
	Report applicability for varying-use tanks?	63.654(h)(6)(ii) **w/the initial NOC Status report**		
	Other (initial) Reports: Report applicability for varying-use tanks?	63.654(h)(6)(ii) **required with the initial Notification of Compliance Status report**		
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**		
	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** *		

Table IV – DA 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
	Recordkeeping for inspections: Keep inspection reports as specified.	63.654(i)(1) 63.123(c) - (e) **all inspections**		
	Records of IFR & CFR inspection reports:	63.654(i)(1) 63.123(c) & (e) **all inspections**		
	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**		
	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**		

Table IV – DB 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 REQUIREMENTS FOR FIXED ROOF TANK-CONTROL DEVICE**			
207	**Closed vent system** Performance requirements:	207 **as approved by the APCO (criteria not specified)**		
	Control device (other than flare) Compliance demonstration:	207 **device must be approved in writing by the APCO**		
	Control device (flare) Compliance demonstration:	207 **device must be approved in writing by the APCO**		
	Other (initial) Reports: For control device other-than flare?	207 **(submit request for) approval of proposed collection system & control device**		
	Other (initial) Reports: For a flare?	207 **(submit request for) approval of proposed collection system & control device**		
311	**Control device** Performance requirements:	311.3 **at least 95% efficient**		
404	**Periodic Reports:** Miscellaneous additional info to report:	404.3 **annual certification of tank degassing equipment**		
501	**Applicability records:** Additional recordkeeping requirements for certain tanks.	501 **type of liquid stored & its TVP, for all nonexempt tanks** *		
602	**True vapor pressure (TVP) determination for applicability:**	602 or 604 **based on maximum (instantaneous) tank storage temperature**		
Refinery MACT	**NESHAP for Petroleum Refineries REQUIREMENTS FOR FIXED ROOF TANK-CONTROL DEVICE**			
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**		
	General recordkeeping requirements: Keep all reports and notification for the specified period of time.	63.642(e) & 63.654(i)(4) **required**		

Table IV – DB Cluster 28
Source-specific Applicable Requirements
S714 – Tank A-714

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
63.646(a)	**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)**		
	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)}		
	Control device (other than flare) Operating requirements:	63.646(a) 63.120(d) **operate such that the monitored parameters remain within the specified ranges**		
	Closed vent system Performance requirements:	63.646(a) 63.120(d)(6) & 63.148 **no detectable emissions (i.e., < 500 ppm)**		
	Control device (flare) Compliance demonstration:	63.646(a) 63.120(e) **demonstrate compliance with 63.11(b)**		
	Control device (flare) Operating requirements:	63.646(a) 63.120(e) **operate per 63.11 (b)**		
63.646(h)	**Initial Notification:** Is initial notification of the source's existence required?	63.646(h) Table 6 Ref. 63.9 (b)(2) **Not required**		
63.646(i)	**Implementation Plan:**	63.646(i) & 63.652(b) **Not required***		
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**		
63.654(f)	Report (document) having initially achieved compliance?	63.654(f) **later of next Periodic Report after achieving compliance or 1/15/99**		

Table IV – DB 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
	Notification of Compliance Status report:	63.654(f) **later of next Periodic Report after compliance or January 15, 1999** *		
	Report determination of applicability for other individual tanks (i.e., for MACT rules, whether Group1 or Group2)?	63.654(f)(1)(i)(A) **within initial Notification of Compliance Status; Jan. 15, 1999**		
	Other (initial) Reports: For control device other-than flare?	63.654(f)(1)(i)(B)&(C) [63.646(a) 63.120(d)(2) & (3)] 63.654(f)(2) & (3) 63.654(g)(7) **submit compliance determination & monitoring plan, w/ the Notification of Compliance Status report** {30-day notice required prior to performance tests, per 63.642(d)(2)}		
	Other (initial) Reports: For a flare?	63.654(f)(1)(i)(D) [63.646(a) 63.120(e)(2)] 63.654(f)(2) **submit compliance determination, with the initial Notification of Compliance Status report**		
63.654(g)	Report of periodic inspections, etc. AFTER documenting initial compliance?	63.654(g) **begin Sept 13, 1999 then semiannual**		
	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** *		
	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** *		
63.654(h)	Report applicability for varying-use tanks?	63.654(h)(6)(ii) **w/the initial NOC Status report**		

Table IV – DB 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
	Other (initial) Reports: Report applicability for varying-use tanks?	63.654(h)(6)(ii) **required with the initial Notification of Compliance Status report**		
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**		
	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** *		
	Recordkeeping for inspections: Keep inspection reports as specified.	63.654(i)(1) 63.123(c) - (e) **all inspections**		
	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** *		
	Recordkeeping for tanks routed to a flare:	63.654(i)(1) 63.123(f) **records of planned routine maintenance** *		
	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**		
	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**		
BAAQMD Condition # 8538	**Permit Conditions**			

Table IV – DC Cluster 28
Source-specific Applicable Requirements
S323 – Tank A-323

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 FIXED ROOF TANK-CONTROL DEVICE**			
207	**Closed vent system** Performance requirements:	207 **as approved by the APCO (criteria not specified)**		
	Control device (other than flare) Compliance demonstration:	207 **device must be approved in writing by the APCO**		
	Control device (flare) Compliance demonstration:	207 **device must be approved in writing by the APCO**		
	Other (initial) Reports: For control device other-than flare?	207 **(submit request for) approval of proposed collection system & control device**		
	Other (initial) Reports: For a flare?	207 **(submit request for) approval of proposed collection system & control device**		
311	**Control device** Performance requirements:	311.3 **at least 95% efficient**		
404	**Periodic Reports:** Miscellaneous additional info to report:	404.3 **annual certification of tank degassing equipment**		
501	**Applicability records:** Additional recordkeeping requirements for certain tanks.	501 **type of liquid stored & its TVP, for all nonexempt tanks** *		
602	**True vapor pressure (TVP) determination for applicability:**	602 or 604 **based on maximum (instantaneous) tank storage temperature**		
Refinery MACT	**NESHAP for Petroleum Refineries REQUIREMENTS FOR FIXED ROOF TANK-CONTROL DEVICE**			
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**		
	General recordkeeping requirements: Keep all reports and notification for the specified period of time.	63.642(e) & 63.654(i)(4) **required**		

Table IV – DC Cluster 28
Source-specific Applicable Requirements
S323 – Tank A-323

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
63.646(a)	**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)**		
	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)}		
	Control device (other than flare) Operating requirements:	63.646(a) 63.120(d) **operate such that the monitored parameters remain within the specified ranges**		
	Closed vent system Performance requirements:	63.646(a) 63.120(d)(6) & 63.148 **no detectable emissions (i.e., < 500 ppm)**		
	Control device (flare) Compliance demonstration:	63.646(a) 63.120(e) **demonstrate compliance with 63.11(b)**		
	Control device (flare) Operating requirements:	63.646(a) 63.120(e) **operate per 63.11 (b)**		
63.646(h)	**Initial Notification:** Is initial notification of the source's existence required?	63.646(h) Table 6 Ref. 63.9 (b)(2) **Not required**		
63.646(i)	**Implementation Plan:**	63.646(i) & 63.652(b) **Not required***		
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**		
63.654(f)	Report (document) having initially achieved compliance?	63.654(f) **later of next Periodic Report after achieving compliance or 1/15/99**		

Table IV – DC Cluster 28
Source-specific Applicable Requirements
S323 – Tank A-323

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	Notification of Compliance Status report:	63.654(f) **later of next Periodic Report after compliance or January 15, 1999** *		
	Report determination of applicability for other individual tanks (i.e., for MACT rules, whether Group1 or Group2)?	63.654(f)(1)(i)(A) **withinitial Notification of Compliance Status; Jan. 15, 1999**		
	Other (initial) Reports: For control device other-than flare?	63.654(f)(1)(i)(B)&(C) [63.646(a) 63.120(d)(2) & (3)] 63.654(f)(2) & (3) 63.654(g)(7) **submit compliance determination & monitoring plan, w/ the Notification of Compliance Status report** {30-day notice required prior to performance tests, per 63.642(d)(2)}		
	Other (initial) Reports: For a flare?	63.654(f)(1)(i)(D) [63.646(a) 63.120(e)(2)] 63.654(f)(2) **submit compliance determination, with the initial Notification of Compliance Status report**		
63.654(g)	Report of periodic inspections, etc. AFTER documenting initial compliance?	63.654(g) **begin Sept 13, 1999 then semiannual**		
	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** *		
	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** *		
63.654(h)	Report applicability for varying-use tanks?	63.654(h)(6)(ii) **w/the initial NOC Status report**		

Table IV – DC Cluster 28
Source-specific Applicable Requirements
S323 – Tank A-323

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**		
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**		
	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** *		
	Recordkeeping for inspections: Keep inspection reports as specified.	63.654(i)(1) 63.123(c) - (e) **all inspections**		
	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** *		
	Recordkeeping for tanks routed to a flare:	63.654(i)(1) 63.123(f) **records of planned routine maintenance** *		
	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**		
	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**		
BAAQMD Condition # 13605	**Permit Conditions**			

Table IV – DD 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 REQUIREMENTS FOR FIXED ROOF TANK-CONTROL DEVICE**			
207	**Closed vent system** Performance requirements:	207 **as approved by the APCO (criteria not specified)**		
	Control device (other than flare) Compliance demonstration:	207 **device must be approved in writing by the APCO**		
	Control device (flare) Compliance demonstration:	207 **device must be approved in writing by the APCO**		
	Other (initial) Reports: For control device other-than flare?	207 **(submit request for) approval of proposed collection system & control device**		
	Other (initial) Reports: For a flare?	207 **(submit request for) approval of proposed collection system & control device**		
311	**Control device** Performance requirements:	311.3 **at least 95% efficient**		
404	**Periodic Reports:** Miscellaneous additional info to report:	404.3 **annual certification of tank degassing equipment**		
501	**Applicability records:** Additional recordkeeping requirements for certain tanks.	501 **type of liquid stored & its TVP, for all nonexempt tanks** *		
602	**True vapor pressure (TVP) determination for applicability:**	602 or 604 **based on maximum (instantaneous) tank storage temperature**		
Refinery MACT	**NESHAP for Petroleum Refineries REQUIREMENTS FOR FIXED ROOF TANK-CONTROL DEVICE**			
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**		
	General recordkeeping requirements: Keep all reports and notification for the specified period of time.	63.642(e) & 63.654(i)(4) **required**		

Table IV – DD Cluster 28
Source-specific Applicable Requirements
S317 – Tank A-317, S324 – Tank A-324, S431 – Tank A-431, S432 – Tank A-432, S457 – Tank A-457

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
63.646(a)	**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)**		
	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)}		
	Control device (other than flare) Operating requirements:	63.646(a) 63.120(d) **operate such that the monitored parameters remain within the specified ranges**		
	Closed vent system Performance requirements:	63.646(a) 63.120(d)(6) & 63.148 **no detectable emissions (i.e., < 500 ppm)**		
	Control device (flare) Compliance demonstration:	63.646(a) 63.120(e) **demonstrate compliance with 63.11(b)**		
	Control device (flare) Operating requirements:	63.646(a) 63.120(e) **operate per 63.11 (b)**		
63.646(h)	**Initial Notification:** Is initial notification of the source's existence required?	63.646(h) Table 6 Ref. 63.9 (b)(2) **Not required**		
63.646(i)	**Implementation Plan:**	63.646(i) & 63.652(b) **Not required***		
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**		
63.654(f)	Report (document) having initially achieved compliance?	63.654(f) **later of next Periodic Report after achieving compliance or 1/15/99**		

Table IV – DD 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
	Notification of Compliance Status report:	63.654(f) **later of next Periodic Report after compliance or January 15, 1999** *		
	Report determination of applicability for other individual tanks (i.e., for MACT rules, whether Group1 or Group2)?	63.654(f)(1)(i)(A) **within initial Notification of Compliance Status; Jan. 15, 1999**		
	Other (initial) Reports: For control device other-than flare?	63.654(f)(1)(i)(B)&(C) [63.646(a) 63.120(d)(2) & (3)] 63.654(f)(2) & (3) 63.654(g)(7) **submit compliance determination & monitoring plan, w/ the Notification of Compliance Status report** {30-day notice required prior to performance tests, per 63.642(d)(2)}		
	Other (initial) Reports: For a flare?	63.654(f)(1)(i)(D) [63.646(a) 63.120(e)(2)] 63.654(f)(2) **submit compliance determination, with the initial Notification of Compliance Status report**		
63.654(g)	Report of periodic inspections, etc. AFTER documenting initial compliance?	63.654(g) **begin Sept 13, 1999 then semiannual**		
	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** *		
	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** *		
63.654(h)	Report applicability for varying-use tanks?	63.654(h)(6)(ii) **w/the initial NOC Status report**		

Table IV – DD 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
	Other (initial) Reports: Report applicability for varying-use tanks?	63.654(h)(6)(ii) **required with the initial Notification of Compliance Status report**		
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**		
	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** *		
	Recordkeeping for inspections: Keep inspection reports as specified.	63.654(i)(1) 63.123(c) - (e) **all inspections**		
	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** *		
	Recordkeeping for tanks routed to a flare:	63.654(i)(1) 63.123(f) **records of planned routine maintenance** *		
	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**		
	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**		

Table IV – DE Cluster 28
Source-specific Applicable Requirements
S46 – Tank A-046, S603 – Tank A-603

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 FIXED ROOF TANK-CONTROL DEVICE**			
207	**Closed vent system** Performance requirements:	207 **as approved by the APCO (criteria not specified)**		
	Control device (other than flare) Compliance demonstration:	207 **device must be approved in writing by the APCO**		
	Control device (flare) Compliance demonstration:	207 **device must be approved in writing by the APCO**		
	Other (initial) Reports: For control device other-than flare?	207 **(submit request for) approval of proposed collection system & control device**		
	Other (initial) Reports: For a flare?	207 **(submit request for) approval of proposed collection system & control device**		
311	**Control device** Performance requirements:	311.3 **at least 95% efficient**		
404	**Periodic Reports:** Miscellaneous additional info to report:	404.3 **annual certification of tank degassing equipment**		
501	**Applicability records:** Additional recordkeeping requirements for certain tanks.	501 **type of liquid stored & its TVP, for all nonexempt tanks** *		
602	**True vapor pressure (TVP) determination for applicability:**	602 or 604 **based on maximum (instantaneous) tank storage temperature**		
Refinery MACT	**NESHAP for Petroleum Refineries REQUIREMENTS FOR FIXED ROOF TANK-CONTROL DEVICE**			
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**		
	General recordkeeping requirements: Keep all reports and notification for the specified period of time.	63.642(e) & 63.654(i)(4) **required**		

Table IV – DE Cluster 28
Source-specific Applicable Requirements
S46 – Tank A-046, S603 – Tank A-603

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
63.646(a)	**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)**		
	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)}		
	Control device (other than flare) Operating requirements:	63.646(a) 63.120(d) **operate such that the monitored parameters remain within the specified ranges**		
	Closed vent system Performance requirements:	63.646(a) 63.120(d)(6) & 63.148 **no detectable emissions (i.e., < 500 ppm)**		
	Control device (flare) Compliance demonstration:	63.646(a) 63.120(e) **demonstrate compliance with 63.11(b)**		
	Control device (flare) Operating requirements:	63.646(a) 63.120(e) **operate per 63.11 (b)**		
63.646(h)	**Initial Notification:** Is initial notification of the source's existence required?	63.646(h) Table 6 Ref. 63.9 (b)(2) **Not required**		
63.646(i)	**Implementation Plan:**	63.646(i) & 63.652(b) **Not required***		
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**		
63.654(f)	Report (document) having initially achieved compliance?	63.654(f) **later of next Periodic Report after achieving compliance or 1/15/99**		

Table IV – DE Cluster 28
Source-specific Applicable Requirements
S46 – Tank A-046, S603 – Tank A-603

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Future Effective Date
	Notification of Compliance Status report:	63.654(f) **later of next Periodic Report after compliance or January 15, 1999** *		
	Report determination of applicability for other individual tanks (i.e., for MACT rules, whether Group1 or Group2)?	63.654(f)(1)(i)(A) **withinitial Notification of Compliance Status; Jan. 15, 1999**		
	Other (initial) Reports: For control device other-than flare?	63.654(f)(1)(i)(B)&(C) [63.646(a) 63.120(d)(2) & (3)] 63.654(f)(2) & (3) 63.654(g)(7) **submit compliance determination & monitoring plan, w/ the Notification of Compliance Status report** {30-day notice required prior to performance tests, per 63.642(d)(2)}		
	Other (initial) Reports: For a flare?	63.654(f)(1)(i)(D) [63.646(a) 63.120(e)(2)] 63.654(f)(2) **submit compliance determination, with the initial Notification of Compliance Status report**		
63.654(g)	Report of periodic inspections, etc. AFTER documenting initial compliance?	63.654(g) **begin Sept 13, 1999 then semiannual**		
	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** *		
	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** *		
63.654(h)	Report applicability for varying-use tanks?	63.654(h)(6)(ii) **w/the initial NOC Status report**		

Table IV – DE Cluster 28
Source-specific Applicable Requirements
S46 – Tank A-046, S603 – Tank A-603

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**		
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**		
	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** *		
	Recordkeeping for inspections: Keep inspection reports as specified.	63.654(i)(1) 63.123(c) - (e) **all inspections**		
	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** *		
	Recordkeeping for tanks routed to a flare:	63.654(i)(1) 63.123(f) **records of planned routine maintenance** *		
	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**		
	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**		
NESHAP 40 CFR 61 Subpart FF	**National Emission Standard for Benzene Waste Operations (3/7/90)**		**Y**	
61.342	Standards: General		Y	
61.342(a)	exemption for facilities with less than 10 Mg/yr of benzene in waste from 61.342(b) and 61.342(c)		Y	
61.342(b)	facilities with 10 Mg/yr or more of benzene in waste shall comply with		Y	

Table IV – DE Cluster 28
Source-specific Applicable Requirements
S46 – Tank A-046, S603 – Tank A-603

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	61.342(c) through 61.342(h)		
61.342(c)	for facilities with 10 Mg/yr or more of benzene in waste:	Y	
61.342(c)(1)	benzene-containing streams shall be treated in accordance with 61.342(c)(1)(i), 61.342(c)(1)(ii) and 61.342(c)(1)(iii), UNLESS it is demonstrated that weighted average benzene concentration is less than 10 ppmw [61.342(c)(2)], OR the stream contains process wastewater with a flowrate less than 0.02 l/min or an annual throughput of less than 10 Mg/yr [61.342(c)(3)(i)], OR the low-flow exemption in 61.342(c)(3)(i) is not used, no more than 2.0 Mg/yr of total benzene throughput is exempted from treatment, and the benzene throughput in each exempted stream is quantified each year [61.342(c)(3)(ii)]	Y	
61.342(c)(1)(i)	remove or destroy benzene in process or wastewater streams in accordance with 61.348	Y	
61.342(c)(1)(ii)	comply with 61.343 through 61.347 for treatment units operated in accordance with 61.342(c)(1)(i)	Y	
61.342(c)(1)(iii)	recycled wastes that have been returned to a process are no longer subject to 61.342(c)	Y	
61.342(d)	alternative to 61.342(c) standards for facilities with 10 Mg/yr or more of benzene in waste:	Y	
61.342(d)(1)	non-process wastewater shall be treated in accordance with 61.342(c)(1)	Y	
61.342(d)(2)	for process wastewater:	Y	
61.342(d)(2)(i)	treat process wastewater such that benzene content is reduced to a total of less than 1 Mg/yr	Y	
61.342(d)(2)(ii)	each wastewater stream that is treated in accordance with 61.342(d)(2)(i), shall be treated in accordance with 61.342(c)(1)	Y	
61.342(e)	alternative to 61.342(c) and 61.342(d) standards for facilities with 10 Mg/yr or more of benzene in waste:	Y	
61.342(e)(1)	waste with a flow-weighted annual average water content of less than	Y	

Table IV – DE Cluster 28
Source-specific Applicable Requirements
S46 – Tank A-046, S603 – Tank A-603

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	10% shall be treated in accordance with 61.342(c)(1)		
61.342(e)(2)	for waste with a flow-weighted annual average water content of 10% or more by volume:	Y	
61.342(e)(2)(i)	waste shall not contain more than 6.0 Mg/yr benzene	Y	
61.342(f)	offsite treatment option	Y	
61.343	Standards: Tanks	Y	
61.343(a)(1)	Owner/operator shall install, operate, and maintain a fixed-roof and closed-vent system that routes all organic vapors vented from the tank to a control device.	Y	
61.343(a)(1)(i)	Fixed Roof leak requirements - < 500 ppmv above background, determined initially then annually by method in 61.355(h) of this subpart.	Y	
61.343(a)(1)(ii)	Closed-vent system and control device designed and operated in accordance with 61.349 of this subpart	Y	
61.343(b)	For a tank that meets all of the conditions of paragraph (b)(1), the owner/operator may elect to comply with paragraph (b)(2) as an alternative to the requirements of (a)(1).	Y	
61.343(b)(1)	The waste managed in the tank complying with (b)(2) shall meet all of the following conditions: wastestream managed in the tank must have a flow-weighted annual average water content less than or equal to 10% water, on a volume basis and the waste managed in the tank either: has a maximum organic vapor pressure less than 0.75 psi, or has a maximum organic vapor pressure less than 4.0 psi and is managed in a tank less than 40,000 gallons, or has a maximum organic vapor pressure less than 11.1 psi and is managed in a tank having a design capacity less than 20,000 gallons.	Y	
61.343(b)(2)	Owner/operator shall install, operate, and maintain a fixed roof as specified in paragraph (a)(1)(i).	Y	
61.343(b)(3)	may use devices that vent directly to atmosphere provided the devices are closed, sealed during normal operations except when the device needs to open to prevent damage or deformation of the tank or cover.	Y	
61.343(c)	Inspect all fixed-roof, seal, access doors, and all other openings visually initially and quarterly for cracks and gaps and that doors and openings are closed and gasketed properly.	Y	
61.343(d)	When a broken seal or gasket is identified, or when detectable emissions are measured, first efforts at repair shall be made as soon as practicable,	Y	

Table IV – DE Cluster 28
Source-specific Applicable Requirements
S46 – Tank A-046, S603 – Tank A-603

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	but not later than 45 calendar days after identification.		
61.348	Standards: Treatment processes	Y	
61.351	Alternative standards for tanks.	Y	
61.354	Monitoring of operations	Y	
61.354(a)(ii)	process parameters shall be continuously monitored and recorded and inspected at least once per operating day to verify proper operation	Y	
61.355	Test methods, procedures and compliance provisions	Y	
61.355(b)(1)	quantification of annual waste quantity at sour water strippers (including ammonia stills at coke by-product plants) shall be made at the water effluent from the still	Y	
61.355(c)(1)(i)(A)	quantification of flow-weighted annual average benzene concentration (including ammonia stills at coke by-product plants) shall be made at the water effluent from the still	Y	
61.356	Recordkeeping requirements	Y	
61.356(a)	recordkeeping and retention requirements	Y	
61.356(b)	waste stream records	Y	
61.357	Reporting requirements	Y	
61.357(c)	reporting requirements for facilities with less than 10 Mg/yr total benzene in waste	Y	
61.357(d)	reporting requirements for facilities with 10 Mg/yr or more total benzene in waste	Y	

Table IV – DF 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 REQUIREMENTS FOR FIXED ROOF TANK-CONTROL DEVICE**			
207	**Closed vent system** Performance requirements:	207 **as approved by the APCO (criteria not specified)**		
	Control device (other than flare) Compliance demonstration:	207 **device must be approved in writing by the APCO**		
	Control device (flare) Compliance demonstration:	207 **device must be approved in writing by the APCO**		
	Other (initial) Reports: For control device other-than flare?	207 **(submit request for) approval of proposed collection system & control device**		
	Other (initial) Reports: For a flare?	207 **(submit request for) approval of proposed collection system & control device**		
311	**Control device** Performance requirements:	311.3 **at least 95% efficient**		
404	**Periodic Reports:** Miscellaneous additional info to report:	404.3 **annual certification of tank degassing equipment**		
501	**Applicability records:** Additional recordkeeping requirements for certain tanks.	501 **type of liquid stored & its TVP, for all nonexempt tanks** *		
602	**True vapor pressure (TVP) determination for applicability:**	602 or 604 **based on maximum (instantaneous) tank storage temperature**		
Refinery MACT	**NESHAP for Petroleum Refineries REQUIREMENTS FOR FIXED ROOF TANK-CONTROL DEVICE**			
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**		
	General recordkeeping requirements: Keep all reports and notification for the specified period of time.	63.642(e) & 63.654(i)(4) **required**		

Table IV – DF 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
63.646(a)	**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)**		
	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)}		
	Control device (other than flare) Operating requirements:	63.646(a) 63.120(d) **operate such that the monitored parameters remain within the specified ranges**		
	Closed vent system Performance requirements:	63.646(a) 63.120(d)(6) & 63.148 **no detectable emissions (i.e., < 500 ppm)**		
	Control device (flare) Compliance demonstration:	63.646(a) 63.120(e) **demonstrate compliance with 63.11(b)**		
	Control device (flare) Operating requirements:	63.646(a) 63.120(e) **operate per 63.11 (b)**		
63.646(h)	**Initial Notification:** Is initial notification of the source's existence required?	63.646(h) Table 6 Ref. 63.9 (b)(2) **Not required**		
63.646(i)	**Implementation Plan:**	63.646(i) & 63.652(b) **Not required***		
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**		
63.654(f)	Report (document) having initia lly achieved compliance?	63.654(f) **later of next Periodic Report after achieving compliance or 1/15/99**		

Table IV – DF 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
	Notification of Compliance Status report:	63.654(f) **later of next Periodic Report after compliance or January 15, 1999** *		
	Report determination of applicability for other individual tanks (i.e., for MACT rules, whether Group1 or Group2)?	63.654(f)(1)(i)(A) **within initial Notification of Compliance Status; Jan. 15, 1999**		
	Other (initial) Reports: For control device other-than flare?	63.654(f)(1)(i)(B)&(C) [63.646(a) 63.120(d)(2) & (3)] 63.654(f)(2) & (3) 63.654(g)(7) **submit compliance determination & monitoring plan, w/ the Notification of Compliance Status report** {30-day notice required prior to performance tests, per 63.642(d)(2)}		
	Other (initial) Reports: For a flare?	63.654(f)(1)(i)(D) [63.646(a) 63.120(e)(2)] 63.654(f)(2) **submit compliance determination, with the initial Notification of Compliance Status report**		
63.654(g)	Report of periodic inspections, etc. AFTER documenting initial compliance?	63.654(g) **begin Sept 13, 1999 then semiannual**		
	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** *		
	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** *		
63.654(h)	Report applicability for varying-use tanks?	63.654(h)(6)(ii) **w/the initial NOC Status report**		

Table IV – DF 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**		
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**		
	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** *		
	Recordkeeping for inspections: Keep inspection reports as specified.	63.654(i)(1) 63.123(c) - (e) **all inspections**		
	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** *		
	Recordkeeping for tanks routed to a flare:	63.654(i)(1) 63.123(f) **records of planned routine maintenance** *		
	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**		
	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**		

Table IV- DG
Fugitive Sources: Applicable Requirements

Process Unit	BAAQMD Reg. 8-18	BAAQMD Reg. 8-28	NSPS Part 60, Subpart GGG; BAAQMD Reg. 10-59	NSPS Part 60, Subpart QQQ; BAAQMD Reg. 10-69	NSPS Part 60, Subpart VV; BAAQMD Reg. 10-52	NESHAP Part 61, Subpart J	NESHAP Part 61, Subpart FF; BAAQMD Reg. 11-12	NESHAP Part 61, Subpart V; BAAQMD Reg. 11-7	NESHAP Part 63, Subpart CC
Area 1 - Fluid Coker	X	X							X
Area 1 - Gas Plant #5	X	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		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		X
Area 3 - HDS Plant #1	X	X		X		X			X
Area 3 - HCR 1st Stage (HDN)	X	X					X		X
Area 3 - HCR 2nd Stage (Hydrocracker)	X	X					X		X
Area 3 - Hydrogen Plant #1	X	X							X
Area 4 - Reformer #2	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		X
Area 4 - Reformer #3	X	X				X			X
Area 4 - HDS Plant #3	X	X					X		No [2]
Area 4 - MTBE	X	X		X					X
Area 4 - Benzene Saturation	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]
Area 6 - Avon Wharf	X	X							X
Area 6 - Unit #50	X	X					X		X

Table IV- DG
Fugitive Sources: Applicable Requirements

Process Unit	BAAQMD Reg. 8-18	BAAQMD Reg. 8-28	NSPS Part 60, Subpart GGG; BAAQMD Reg. 10-59	NSPS Part 60, Subpart QQQ; BAAQMD Reg. 10-69	NSPS Part 60, Subpart VV; BAAQMD Reg. 10-52	NESHAP Part 61, Subpart J	NESHAP Part 61, Subpart FF; BAAQMD Reg. 11-12	NESHAP Part 61, Subpart V; BAAQMD Reg. 11-7	NESHAP Part 63, Subpart CC
Area 6 - Main Pump House #2	X	X							X
Area 6 - Amorco Wharf	X	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		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"}.

Table IV – DH
Applicable Requirements
COMPONENTS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8-18	**Organic Compounds-Equipment Leaks (3/18/98)**		
8-18-100	General/Applicability	N	
8-18-200	Definitions	N	
8-18-301	General Standard	N	
8-18-302	Valves	N	

Table IV – DH
Applicable Requirements
COMPONENTS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-18-303	Pumps and compressors	N	
8-18-304	Connections	N	
8-18-305	Pressure relief devices	N	
8-18-306	Non-repairable equipment	N	
8-18-307	Liquid Leaks	N	
8-18-308	Alternate compliance	N	
8-18-401	Inspection	N	
8-18-402	Identification	N	
8-18-403	Visual inspection schedule	N	
8-18-404	Alternate inspection schedule	N	
8-18-405	Alternate inspection reduction plan	N	
8-18-406	Interim Compliance	N	
8-18-501	Portable Hydrocarbon Detector	N	
8-18-502	Records	N	
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	
8-28-401	Reporting	Y	
8-28-402	Inspection	Y	
8-28-403	Records	Y	
8-28-404	Identification	Y	

Table IV – DH
Applicable Requirements
COMPONENTS

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

Table IV – DH
Applicable Requirements
COMPONENTS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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	
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	Y	
60.481	Definitions	Y	
60.482-1	General Standards	Y	
60.482-2	**Pump Standards**:		
60.482-2(a)(1)	Monthly monitoring of each pump, except for 60.482-1(c), 60.482-2(d), (e), or (f)	Y	
60.482-2(a)(2)	Weekly visual inspection of each pump, except for (e), (f), or (g)	Y	
60.482-2(b)	Air measurement >10,000 ppm or dripping liquid indicates leak	Y	
60.482-2(d)	Requirements for Dual-Mechanical seal pump	Y	
60.482-2(e)	No detectable emission designation: <500 ppm	Y	
60.482-2(f)	Requirements for Closed Vent Systems	Y	
60.482-8	Pumps in heavy liquid service	Y	
60.482-9(b)	Repair may be delayed for isolated equipment	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	
60.482-3	**Compressor Standards**	Y	
60.482-4	Requirements for **Pressure Relief Devices** in gas/vapor service	Y	
60.482-5	Requirements for **Sampling connecting systems**	Y	
60.482-6	Requirements for **Open-ended valves or lines**	Y	
60.482-7	**Valve Standards:**		

Table IV – DH
Applicable Requirements
COMPONENTS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.482-7(a)-(c)	Monitor monthly unless 2 successive months <10,000 ppm, them monitor first month of each quarter. If leak >10,000 ppm is detected, resume monthly monitoring	Y	
60.482-7(e)	Methods for first attempts or minimizing valve leaks	Y	
60.482-7(f)	Designated no-emissions (<500 ppm) valves with no external actuating mechanisms in contact with process fluid, may revert to annual monitoring, or that requested by the Administrator	Y	
60.482-8	Valves in heavy liquid service	Y	
60.482-9(b)	Repair may be delayed for isolated equipment	Y	
60.482-9(c)	Delay of repair for valves is only allowed under certain circumstances	Y	
60.482-8	**Pressure Relief Devices** in liquid service and **Flanges** and other **Connectors Standards**	Y	
60.482-10	Requirements for **Closed-vent systems and control devices**	Y	
60.483-1, 60.483-2, 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	
60.485	Test Methods and Procedures	Y	
60.486	Record keeping	Y	
60.487	Reporting	Y	
BAAQMD Regulation 10-52	Incorporates by reference 40 CFR 60 Subpart VV	Y	
NESHAP Part 61 Subpart A	**General Provisions**	**Y**	
61.1	List of pollutants and applicability	Y	
61.2	Definitions	Y	
61.3	Units and abbreviations	Y	
61.4	Address	Y	
61.5	Prohibited activities	Y	
61.6	Determination of construction or modification	Y	
61.7	Application for approval of construction or modification	Y	
61.8	Approval of construction or modification	Y	
61.9	Notification of startup	Y	
61.10	Source reporting and waiver request	Y	
61.11	Waiver of compliance	Y	
61.12	Compliance with standards and maintenance requirements	Y	
61.13	Emission tests and waiver of emission tests	Y	

Table IV – DH
Applicable Requirements
COMPONENTS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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 FF; BAAQMD Regulation 11-12	**National Emission Standard for Benzene Waste Operations (3/7/90); BAAQMD National Emission Standard for Benzene Emissions from Benzene Transfer Operations and Benzene Waste Operations (4/19/89)**		
61.340	Applicability	Y	
61.341	Definitions	Y	
61.349	Closed-vent systems and control devices Standards	Y	
61.354(f)	Monitoring of closed-vent systems with bypass lines	Y	
61.356(f)	Recordkeeping for closed-vent systems and control devices	Y	
61.357	Reporting	Y	
BAAQMD Regulation 11-12	Incorporates by reference 40 CFR 61 Subpart FF	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	

Table IV – DH
Applicable Requirements
COMPONENTS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
61.242-2(e)	No detectable emission designation: <500 ppm	Y	
61.242-2(f)	Requirements for Closed Vent Systems	Y	
61.242-2(g)	Monthly visual inspections for un-manned sites	Y	
61.242-10(b)	Repair may be delayed for isolated equipment	Y	
61.242-10(d)(1)	Only dual-mechanical seal pumps qualify for delay of repair	Y	
61.242-10(d)(2)	Pump leaks must be repaired within 6 months	Y	
61.242-3	**Compressor Standards**	Y	
61.242-4	Requirements for **Pressure Relief Devices** in gas/vapor service	Y	
61.242-5	Requirements for **Sampling connecting systems**	Y	
61.242-6	Requirements for **Open-ended valves or lines**	Y	
61.242-7	**Valve Standards:**		
61.242-7(a)-(c)	Monitor monthly unless 2 successive months <10,000 ppm, them monitor first month of each quarter. If leak >10,000 ppm is detected, resume monthly monitoring	Y	
61.242-7(e)	Methods for first attempts or minimizing valve leaks	Y	
61.242-7(f)	Designated no-emissions (<500 ppm) valves with no external actuating mechanisms in contact with process fluid, may revert to annual monitoring, or that requested by the Administrator	Y	
61.242-10(b)	Repair may be delayed for isolated equipment	Y	
61.242-10(c)	Delay of repair for valves is only allowed under certain circumstances	Y	
61.242-8	**Pressure Relief Devices** in liquid service and **Flanges** and other **Connectors Standards**	Y	
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	

Table IV – DH
Applicable Requirements
COMPONENTS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
11-7-302	Pump Standards	N	
11-7-303	Compressor Standards	N	
11-7-304	Pressure Relief Devices in Gas/Vapor Service Standards	N	
11-7-305	Sampling Connecting System Standards	N	
11-7-306	Open-ended Valve Standards	N	
11-7-307	Valve Standards	N	
11-7-308	Pressure Relief Devices in Liquid Service, Flanges and Other Connector Standards	N	
11-7-309	Product Accumulator Vessel Standards	N	
11-7-310	Delay of Repair Limitations	N	
11-7-311	Closed Vent Systems and Control Device Standards	N	
11-7-312	Alternative Standards for Valves in Benzene Service	N	
11-7-313	Alternative Standards for Valves – Skip Period Leak Detection and Repair	N	
11-7-314	Alternative Means of Emission Limitation	N	
11-7-401	Visually inspect pumps for liquid dripping weekly, except for "no detectable emissions" and pumps equipped with closed vent systems	N	
11-7-402	Initial Report within 90 days	N	
11-7-403	Reporting: semiannually for valves, pumps, and compressors	N	
11-7-501	Monitor pumps and valves, except for "no detectable emissions"	N	
11-7-502	Recordkeeping	N	
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	

Table IV – DH
Applicable Requirements
COMPONENTS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.6	Compliance with standards and maintenance	Y	
63.7	Performance testing requirements	Y	
63.8	Monitoring requirements	Y	
63.9	Notification requirements	Y	
63.10	Recordkeeping and reporting requirements	Y	
63.11	Control device requirements	Y	
63.12	State authority and delegation	Y	
63.13	Addresses of State air pollution control agencies and EPA Regional Offices	Y	
63.14	Incorporation by references	Y	
NESHAP Part 63 Subpart CC	**National Emission Standards for Hazardous Air Pollutants from Petroleum Refineries**		
63.640(a)	Applicability	Y	
63.641	Definitions	Y	
63.642(e)	Keep records for 5 years	Y	
63.648(a)	Equipment leak standards. Comply with 40 CFR 60, Subpart VV	Y	
63.648(b)	Use of monitoring data from prior to 8/18/95 to qualify for less stringent monitoring frequency	Y	
63.654(d)	Recordkeeping and reporting	Y	

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. The SCOT unit shall be scheduled for maintenance to co~~n~~incide with the turnaround of either the Coker or the FCCU. (basis: cumulative increase)

2. The sulfur dioxide (SO2) emission shall not exceed 4 lb/ton of sulfur processed. (basis: cumulative increase)

3. ~~Tosco~~Permittee/Owner/Operator shall report daily SO2 emissions and sulfur production on a monthly basis. (basis: cumulative increase)

Condition # 573

S903 No. 5 Boiler

1. Only specification grade ammonia (no "Off-Spec") shall be 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, the ammonia in the stack exhaust shall not exceed 40 ppm by volume. (basis: toxics)

3. ~~Tosco~~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 whi~~c~~le maximizing NOx reduction. (basis: toxics)

4. The ammonia injection rate shall not exceed 475 lb/hr. (basis: toxics)

5. ~~Tosco~~Permittee/Owner/Operator shall conduct weekly tests for the first two months of operation and monthly thereafter of the ammonia in the exhaust stack. (basis: toxics)

6. Daily records of the ammonia usage, temperature, and stack NOx shall be maintained and monthly summaries shall be submitted to the District. (basis: cumulative increase)

7. A temperature indicator and recorder shall be installed to measure the temperature at the area of the ammonia injection. (basis: cumulative increase)

8. Within 3 days after achieving the maximum operation but not more than 60 days after initial start-up, ~~Tosco~~Permittee/Owner/Operator shall conduct a performance test in accordance with BAAQMD Test Procedures. Written notice of the performance tests shall be provided to the BAAQMD at least 10 days prior to the beginning of that test so that an observer may be present.

   The performance tests and additional tests shall include, but are not limited to, a test of the boiler stack outlet for:
   A. Oxides of Nitrogen (before and after injection)
   B. Carbon Monoxide
   C. Particulates
   D. SOx and Sulfates
   E. Oxygen
   F. Cyanide
   G. Nitrosamine
   H. Ammonia

   In addition, a second performance test will be performed upon the request of the APCO. (basis: cumulative increase, toxics)

9. In the event the APCO determines that the stack opacity is in excess of District Regulations, ~~Tosco~~Permittee/Owner/Operator shall immediately curtail use of the ammonia injection to the extent required to abate the excessive emissions. (basis: Regulation 6-302)

10. ~~Tosco~~Permittee/Owner/Operator shall inform the District when any additional tests are performed to evaluate the ammonia injection system. (basis: cumulative increase)

11. Only "Super Cat Manganese 6 High Flash" (Nuodex Solution) or chemical equivalent shall be injected as a combustion enhancer/ESP flyash conditioner upstream of the Coker CO Boiler S-903. (basis: cumulative increase)

12. The total amount of Nuodex Solution injected at S-903 shall not exceed 1000 gallons in any consecutive 24 hour period. (basis: cumulative increase)

13. In order to demonstrate compliance with condition #12, ~~Tosco~~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 ~~24 months~~5 years from the date on which a record is made. (basis: cumulative increase)

Condition # 677

S937 Hydrogen Plant Heater

1. The mass emissions of nitrogen oxides (NOx~~X~~), calculated as NO2, from furnace, S-937 shall not exceed 1430 lb/stream day or 1089 lb/calendar day. (basis: cumulative increase)

2. ~~Tosco~~Permittee/Owner/Operator shall install, calibrate, maintain and operate nitrogen oxides and oxygen analyz~~s~~ers in accordance with the District's Manual of Procedures.
(basis: cumulative increase)

3. ~~Tosco~~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 for at least five~~two~~ years and shall be available to the District upon request. (basis: cumulative increase)

Condition # 799

S863 LPG Vaporized System

1. This LPG vaporizer located at Isocracking Facility shall not be operated simultaneously with the LPG vaporizer located at #5 gas plant. 2. The flare shall be operated only for emergency. (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~~Tosco Corporation~~ shall use the emission factors presented in Appendix B of the attached evaluation report. (basis: cumulative increase)

2. Permittee/Owner/Operator~~Tosco Corporation~~ 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 ~~2~~5 years. (basis: cumulative increase)

3. ~~Tosco~~Permittee/Owner/Operator ~~Corporation~~ shall conduct tests to assess leakage from all relief valves that vent to atmosphere in the marine vapor recovery system. These tests shall be conducted according to the following schedule:
Test 1 - Loading of first vessel using vapor recovery
Test 2 - Within 30 days from date of Test 1
Test 3 - Within 30 days from date of Test 2
Test 4 - Within 30 days from date of Test 3

   If Tests 1 through 4 show that no leakage occurs from the relief valves, subse~~n~~quent testing may be conducted on a semi-annual basis. (basis: cumulative increase)

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~~Tosco Corporation~~ shall use the "Non-Vapor Recovery" emission factors in Appendix B 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~~Tosco Corporation~~ can provide documentation to the satisfaction of the APCO.
(basis: cumulative increase)

~~**Condition # 908**~~

~~1.Annual solvent usage records shall be maintained and reported to the District.~~

~~**Condition # 980**~~

~~ANNUAL SOLVENT USAGE RECORDS SHALL BE MAINTAINED AND REPORTED TO THE DISTRICT.~~

~~1. The operation of the sludge dewatering system shall terminate immediately if it results in off-property odors which are verified by the District.~~

~~2. Any concentration of organics at any point, fugitive or otherwise, in excess of 300 ppm as methane shall be enclosed and vented to the abatement device.~~

~~3. Carbon used for adsorption shall be regenerated in an approved system or buried with at least 2 feet of fill over.~~

~~4. The carbon used for control shall be replaced when breakthrough organics exceed 10 ppm as methane, or H2S exceeds 1 ppm.~~

~~5. The blower to mainain a negative pressure on the inlet of the carbon adsorption system shall be operated when the dewatering system is in use.~~

~~6. This permit to operate is valid only when the system is operated at the Tosco Refinery, Martinez.~~

Condition # 1910

S1007 Hydrocracker Unit 2nd Stage
S1008 Hydrocracker Unit 1st Stage

PERMIT CONDITION 1910
TOSCO APPLICATION #548
HYDROCRACKER EXPANSION PROJECT PERMIT CONDITIONS
~~ISOCRACKER~~ (S-1007) AND ~~HDN~~ (S-1008)

1. No pressure relief valve on a new vessel in hydrocarbon service, associated with this project, shall vent to atmosphere. (basis: cumulative increase, BACT)

2. Any new pumps or compressors, associated with this project, shall 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 # 2326

S950 50 Unit Crude Heater (F50)

~~1. Aggregate duration of emission from sootblowing shall not exceed 6 minutes per billion BTU gross heat release during any 24 hour period when burning fuel oil.~~

~~2. Such emissions shall be less than Ringelmann 3 or equivalent obscuration when burning fuel oil.~~

Condition # 3996

S699 Tank A-699

TOSCO CORPORATION APPLICATION # 2253 FOR SOURCE # 699

1. All roof vents shall be closed with gas-tight covers. (basis: cumulative increase)

2. The pressure/vacuum relief valve shall be gas- tight and maintained in proper working order at all times. The pressure and vacuum set pressures shall be + 1.0" H20 and -1.0" H20, respectively. (basis: cumulative increase)

3. The pressure regulator shall open at a pressure no greater than 0.5" H20 to allow vapors to be collected. (basis: cumulative increase)

4. The vacuum regulator shall 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
S941 No. 2 Boiler @ No. 4 Boilerhouse
S942 No. 3 Boiler @ No. 4 Boilerhouse
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. If the permitted annual emission limit for any pollutant is exceeded, the applicable provisions of Section 3A shall apply.

Particulates	443.0 tons/yr
Hydrocarbons	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. If the permitted monthly maximum emission limit for any pollutant is exceeded, the applicable provisions of Section 3B shall apply.

Particulates	46.0 tons/mo
Hydrocarbons	77.0 tons/mo
N~~o~~Ox	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. If the permitted monthly compensatory emission limit for any pollutant is exceeded, the applicable provisions of Section 3C shall apply.

Particulates	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, the informational requirements of Section 3D shall apply.

Particulates	9.0 tons

Hydrocarbons	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 which must not be exceeded. Accordingly, in the event that any such limit ever is exceeded, ~~Tosco~~Permittee/Owner/Operator will be immediately subject to the applicable 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. ~~Tosco~~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. ~~Tosco~~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, 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. ~~Tosco~~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. ~~Tosco~~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, ~~Tosco~~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 ~~Tosco~~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 ~~Tosco~~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. (basis: cumulative increase, offsets, bubble)

4. Monitoring and Source Testing. The following monitoring instruments listed shall be installed, calibrated, maintained and operated by ~~Tosco~~Permittee/Owner/Operator:

A. An instrument to continuously monitor and record the H2S concentrations in fuel gas. (basis: toxics)

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-906 #3 Crude Unit - furnace #6
S-907 #3 Crude Unit - furnace #7
S-909 #1 feed prep. - furnace #9
S-911 #4 Gas Plant - furnace #11
S-912 #1 feed prep. - furnace #12
S-913 #2 feed prep. - furnace #13
S-916 #1 HDS - #16 heater
S-918 #2 HDS rerun reboiler - #18 furnace
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 Isocracker - #31 furnace
S-932 Isocracker - #32 furnace
S-933 Isocracker - #33 furnace
S-938 HDN prefractionator, #38 furnace
S-940 No. 4 Boiler House - Boiler #1
S-941 No. 4 Boiler House - Boiler #2
S-942 No. 4 Boiler House - Boiler #3

All of the required stack oxygen concentration monitors shall be 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. ~~Tosco~~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.
(~~Tosco~~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 ~~Tosco~~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. ~~Tosco~~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~~2~~ years following the date on which such measurements, records or data are made or recorded.
(basis: cumulative increase, offsets, BACT, bubble)

B. ~~Tosco~~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 ~~Tosco~~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. ~~Tosco~~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. ~~Tosco~~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, ~~Tosco~~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, ~~Tosco~~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, startup and shutdown operations, as defined in condition 1, shall not exceed 8 hours in duration, unless the APCO approves 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 each be limited to 24 hours in duration.

S-908	No. 3 Crude Unit furnace F-8
S-973	No. 3 HDS Unit furnace F-56
S-974	No. 3 HDS Unit furnace F-55

(basis: cumulative increase, offsets)

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, ~~Tosco~~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, ~~Tosco~~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 Isocracker-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 ~~Tosco~~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 ~~Tosco~~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 Isocracker-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 ~~Tosco~~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 ~~Tosco~~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 ~~Tosco~~Permittee/Owner/Operator of any of the conditions set forth in this Conditional Permit shall subject ~~Tosco~~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 ~~Tosco~~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 ~~Tosco~~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 ~~Tosco~~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).

H. In the course of constructing the project covered by this Conditional Permit, ~~Tosco~~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. ~~Tosco~~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. ~~Tosco~~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 ~~Tosco~~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.

L. If ~~Tosco~~Permittee/Owner/Operator can demonstrate by modeling to the satisfaction of the Air Pollution Control Officer 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 ~~Tosco~~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 ~~Tosco~~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

~~Tosco~~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 ~~Tosco~~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 ~~Tosco~~Permittee/Owner/Operator as expeditiously as practicable. Within 30 days after its receipt of such comments and recommendations, ~~Tosco~~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 ~~Tosco~~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 DAF Air Stripper

MODIFIED CONDITIONS FOR P/O #4990 (DAF EFFLUENT CHANNEL AIR STRIPPER SYSTEM):

1. At all times, except for periods of ongoing inspection, maintenance, or wastewater sampling, the DAF outlet channel shall be covered and vented to the DAF 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. The DAF air stripping compressor shall not operate 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. A differential pressure controller shall vary the air sweep fan speed, relative to the air stripping rate, to control the air space below the DAF covers to a pressure less than atmospheric pressure. (basis: cumulative increase)

4. The carbon adsorption system A-38 shall consist of two parallel trains, each consisting of two carbon canisters in series. The first canister in series, which functions as the primary hydrocarbon removal canister, will be denoted as Canister #1. The second canister in series, which functions as the primary H2S removal canister, will be denoted as Canister #2. (basis: toxics)

5. A. 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. 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, ~~Tosco~~Permittee/Owner/Operator shall install, maintain, and operate a District approved continuous hydrocarbon monitor and recorder.

7. H2S emissions to the atmosphere from the thermal incinerator A-39 or the carbon adsorption system A-38 shall not exceed 1 ppm. (basis: toxics)

8. Testing for hydrocarbon and H2S breakthrough in each of the two parallel trains of the carbon adsorption system A-38 shall be done according to the following schedule.

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:

- Testing shall be accomplished with a District approved portable H2S analyzer through sample taps located in Canister #2 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 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, the flow will be diverted to the fresh parallel Canister #2 within one hour.
- The spent canister shall be replaced within 2 weeks of changeover to the fresh carbon adsorption system.

(basis: toxics)

9. 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 the stripped gas from S-1026 shall be abated by the carbon adsorption system A-38.
(basis: cumulative increase, offsets)

10. ~~Tosco~~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. ~~Tosco~~Permittee/Owner/Operator shall maintain 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. 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.

    This material shall be kept available for District inspection for a period of at least 5~~2~~ 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: cumulative increase, offsets)

Condition # 5000

Condition deleted (Redundant to Regulation 8-5)

~~CONDITIONS FOR STORAGE TANK S-705 SECONDARY SEAL:~~

~~1. The secondary seal installed on storage tank S-705 must meet the zero gap criteria of Regulation 8-5, Sections 325.2 and 325.3. (basis: Regulation 8-5-325.2, Regulation 8-5-325.3)~~

~~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.~~

Condition # 5379

Facility Condition

~~1~~A. In order for ~~Tosco~~Permittee/Owner/Operator to use the controlled lightering factors, they must abide by the following conditions:

1. ~~Tosco~~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 ~~Tosco~~Permittee/Owner/Operator. Access to lightering operations shall be provided via the regularly scheduled water-taxi service. (basis: cumulative increase, offsets, bubble)
2. ~~Tosco~~Permittee/Owner/Operator or its agent shall provide a listing and voyage history for all ships delivering crude to ~~Tosco~~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, ~~Tosco~~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 ~~Tosco~~Permittee/Owner/Operator in the San Francisco Bay for delivery to ~~Tosco~~Permittee/Owner/Operator. (basis: cumulative increase, offsets, bubble)

4. On a quarterly basis, ~~Tosco~~Permittee/Owner/Operator or its agent shall provide verification of each controlled transfer. (basis: cumulative increase, offsets, bubble)
5. ~~Tosco~~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 ~~Tosco~~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 ~~Tosco~~Permittee/Owner/Operator or its agent. A complete survey of all above-deck equipment will be performed by ~~Tosco~~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, ~~Tosco~~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

~~Tosco~~Permittee/Owner/Operator can demonstrate that emissions were partially controlled, to the satisfaction of the APCO, 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 ~~Tosco~~Permittee/Owner/Operator can demonstrate that emissions were partially controlled to the satisfaction of the APCO, 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. ~~Tosco~~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. The total material throughput for storage tank S-795 shall not exceed 11,000 gallons in any consecutive 12 month period. (basis: toxics, BACT)

2. If a material other than 1,1,1 trichloroethane or perchloroethylene is to be stored in tank S-795, the 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: cumulative increase, offsets)

3. All tank loading operations at S-795 shall be abated by the vapor balance system A-796. (basis: cumulative increase, toxics, BACT)

4. In order to demonstrate compliance with the above conditions, the Permittee/~~o~~Owner/~~o~~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, BACT, offsets)

Condition # 5933

S-279 Tank A-279

PERMIT CONDITIONS FOR S-279, INTERNAL FLOATING ROOF STORAGE TANK:

1. The floating roof and primary and secondary seals installed on storage tank S-279, 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: Regulation 8-5)

2. To verify compliance with Condition #1 above, the 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. For each seal, the time interval between such certifications shall not exceed 10 years. (basis: Regulation 8-5)

Condition # 5944

S642 Tank A-642

Condition Deleted (Redundant to Regulation 8-5)

~~PERMIT CONDITIONS FOR S-642, EXTERNAL FLOATING ROOF STORAGE TANK:~~

~~1. The floating roof and primary and secondary seals installed on storage tank S-642 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-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. 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 # 5957

S-26 Tank A-26

Condition Deleted (Redundant to Regulation 8-5)

~~TOSCO CORP., APPL. #6724, PL. #13~~

~~1. The secondary seal installed on storage tank S-26 must meet the zero gap criteria of District Regulation 8, Rule 5, Sections 325.2 and 325.3. (basis: Regulation 8-5)~~

~~2. To verify compliance with Condition #1 above, the owner/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. This certification shall be submitted to the District on an annual basis. The time interval between certifications shall not exceed 15 months. (basis: Regulation 8-5)~~

Condition # 6740

S612 Tank A-612

PERMIT CONDITIONS FOR S-612, INTERNAL FLOATING ROOF STORAGE TANK.

~~1. The floating roof and primary and secondary seals installed on storage tank S-612 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: Regulation 8-5)~~
Deleted (Redundant to Regulation 8-5)

~~2. To verify compliance with Condition #1 above, the 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, the time interval between such certifications shall not exceed 10 years.~~
~~(basis: Regulation 8-5)~~ Deleted (Redundant to Regulation 8-5)

3. The total liquid throughput for storage tank S-612 shall not exceed 243,000 barrels during any consecutive 12 month period.
(basis: cumulative increase)

4. Only gasoline shall be 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 alternative material(s).
(basis: cumulative increase)

5. In order to demonstrate compliance with the above conditions, the 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. ~~b.~~ The total throughput of each material stored, summarized on a monthly basis. These records shall be kept on site and made available for District inspection for a period of ~~24 months~~5 years from the date that the record was made.
   (basis: cumulative increase)

Condition # 7144

S601 Tank A-601

PERMIT CONDITIONS FOR S-601, INTERNAL FLOATING ROOF STORAGE TANK:

1. The floating roof and primary and secondary seals installed on storage tank S-601 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: Regulation 8-5)

2. To verify compliance with Condition #1 above, the 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: Regulation 8-5)

Condition # 7397

S901 No. 7 Boiler

1. The total ammonia injection at A-30, electrostatic precipitator, shall 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 owner/operator of A-30 shall install and maintain a District-approved aqueous ammonia flow meter and recorder. Such records shall be made available for District inspection and kept for a period of at least two 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)

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 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. All accessible pumps, valves, and flanges shall be subject to quarterly inspection and maintenance criteria;
   b. The leak limitation shall be 1~~5~~00 ppm (expressed as methane) for valves and flanges and ~~1,0~~500 ppm (expressed as methane) for pumps, 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 Regulation 8, Rules 18, 25, or 28 shall supersede the above listed requirements 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. 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 DAF Air Stripper

TOSCO APPLICATION #8592
API SEPARATOR/DAF UNIT ABATEMENT PROJECT PERMIT CONDITIONS

Conditions for this A #8592:

A1. During all times of operation of Source S-819, the API oil/water separator, influent head channel and wet oil pit, and dissolved air flotation (DAF) unit shall 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. 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 (DAF EFFLUENT CHANNEL AIR STRIPPER SYSTEM):

B1. At all times, except for periods of ongoing inspection, maintenance, or wastewater sampling, the DAF outlet channel shall be covered and vented to the DAF 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. The DAF air stripping compressor shall 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. A differential pressure controller shall vary the air sweep fan speed, relative to the air stripping rate, to control the air space below the DAF covers to a pressure less than atmospheric pressure. (basis: Regulation 8-8, BACT, offsets, toxics, cumulative increase)

B4. The carbon adsorption system A-38 shall consist of two parallel trains, each consisting of two carbon canisters in series. The first canister in series, which functions as the primary hydrocarbon removal canister, will be denoted as Canister #1. The second canister in series, which functions as the primary H2S removal canister, will be denoted as Canister #2. (basis: Regulation 8-8, BACT, offsets, toxics, cumulative increase)

B5. A. 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. (basis: BACT, offsets, cumulative increase)

B. 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. (basis: BACT, offsets, cumulative increase)

B6. To verify compliance with Condition No. 5, ~~Tosco~~Permittee/Owner/Operator shall install, maintain, and operate a District approved continuous hydrocarbon monitor and recorder. (basis: BACT, offsets, cumulative increase)

B7. H2S emissions to the atmosphere from the thermal incinerator A-39 or the carbon adsorption system A-38 shall not exceed 1 ppm. (basis: toxics

B8. Testing for hydrocarbon and H2S breakthrough in each of the two parallel trains of the carbon adsorption system A-38 shall be done according to the following schedule.

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: BACT, offsets, cumulative increase)

Hydrogen Sulfide testing:

- Testing shall be accomplished with a District approved portable H2S analyzer through sample taps located in Canister #2 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 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, the flow will be diverted to the fresh parallel Canister #2 within one hour.
- 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, ~~Tosco~~Permittee/Owner/Operator shall conduct a District approved source test to verify compliance with Condition Nos. 5 and 7. In addition, this test shall determine the minimum operating temperature of the incinerator A-39 required to ensure compliance on a continuous basis, as specified in Condition Nos. 10 and 11. (basis: BACT, offsets, cumulative increase)

B10. 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 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. 9 deems it necessary for compliance with Conditions Nos. 5 and 7. In the event that the incinerator A-39 is not available as a control device, then the stripped gas from S-1026 shall be abated by the carbon adsorption system A-38. (basis: BACT, offsets, cumulative increase)

B11. ~~Tosco~~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. ~~Tosco~~Permittee/Owner/Operator shall maintain 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. 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.

This material shall be kept available for District inspection for a period of at least 5~~2~~ 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. The air strippers S-606 and S-607 shall not operate unless they are abated at all times by furnace S-950. (basis: cumulative increase, toxics)

2. The total stripped gas throughput from the air strippers S-606 and S-607 shall not exceed 700 SCFM. (basis: cumulative increase, toxics)

3. Non-methane hydrocarbon emissions to the atmosphere from furnace S-950 shall not exceed 20 ppm (calculated as C1) on a rolling one hour average basis. (basis: cumulative increase)

4. H2S emissions to the atmosphere from furnace S-950 shall not exceed 1 ppm on a rolling one hour average basis. (basis: toxics)

5. Furnace S-950 shall not be 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. ~~Tosco~~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. ~~Tosco~~Permittee/Owner/Operator shall maintain 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. This file must include, 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.

   This material shall be kept available for District inspection for a period of at least 5~~2~~ 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. Operation of this equipment is limited to the locations and aeration equipment specified unless ~~Tosco~~Permittee/Owner/Operator has applied to, and received written approval from, the District for a change in permit conditions. (basis: cumulative increase)
2. ~~Tosco shall not operate this equipment in such a manner that emissions from these sources cause a public nuisance per Regulation 1-301 or Regulation 7-301 Odorous Substances.~~

Condition # 8003

S103 Vehicle Service Station

1. Permanent access to the Hasstech Processor and vacuum pump shall be provided for the purpose of inspection and/or testing. (basis: cumulative increase, toxics)

2. A remote Status Panel and tank correction gauge shall be installed as per manufacturer's recommendations. (basis: cumulative increase, toxics)

3. System shall be operated such that system pressure during loading operations shall not exceed 18 inches water column. (basis: cumulative increase, toxics)

4. Pressure-vacuum valves shall be vapor tight whenever the tank pressure is 4 inches water column or below. (basis: cumulative increase, toxics)

5. Pursuant to BAAQMD Toxic Section policy, this facility's annual throughput shall not exceed 540,000 gallons in any consecutive~~consicutive~~ 12 month period. (basis: toxics)

Condition # 8077

S57 Tank A-57
S323 Tank A-323
S848 FCCU Merox Unit
S850 No. 3 HDS Unit

S906 No. 6 Furnace
S907 No. 7 Furnace
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

TOSCO PERMIT NO. 3318: REFINERY MODERNIZATION PROJECT PERMIT CONDITIONS
NEW PERMIT CONDITIONS FOR PERMIT NO. 3318

~~1. Except during periods of startup or shutdown, emissions of NOx (calculated as NO2), and CO from the new Hydrogen Plant furnaces, S-1031 and S-1032, shall not exceed an 8 hour average of 10 ppmvd NO2, corrected to 3% oxygen, and 50 ppmvd CO, corrected to 3% oxygen, for each furnace. (basis: cumulative increase, BACT, offsets)~~

~~2. For the purposes of this permit, the definitions of "startup" and "shutdown" are those presented in Permit No. 22769 (the No. 3 HDS permit) and are limited to a maximum of 8 hours in duration unless otherwise specified in a permit condition. Tosco Permittee may develop and present documentation in support of specific alternate startup and shutdown times for certain units. If approved by the APCO,~~

~~these specific startup and shutdown times will be used in place of the standard 8-hour periods for the given units. (basis: cumulative increase, offsets, BACT)~~

~~Specifically, for the No. 2 Hydrogen Plant furnaces S-1031 and S-1032 and the No. 3 HDS Unit furnace S-973 the startup and shutdown periods shall each be limited to 24 hours in duration. (basis: cumulative increase, offsets)~~

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 and there shall be no more than 2 start-up periods during any rolling 12 consecutive month period. 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)

~~3. A continuous emission monitor (CEM) shall be installed in the exhaust stack of the No. 2 Hydrogen Plant SCR Unit (A-38) to measure NOx and CO mass and concentration emissions from both No. 2 Hydrogen Plant furnaces (S-1031 and S-1032). This monitor shall be used to measure NOx and CO emissions which shall be included in the monthly emission reports currently submitted by Tosco Permittee. Accordingly, sources S-1031 and S- 1032 shall be included in Group A of Table A of the Appendix of the Engineering Evaluation Report for Application No. 27769 (February 9, 1982). (basis: cumulative increase)~~

~~4. For the purposes of calculating SO2, particulate, and NMHC emissions, sources S-1031 and S-1032 shall be included in Group A (controlled with SCR) of Table A of the Appendix to the Engineering Evaluation Report for Application No. 27769 (February 9, 1982). (basis: cumulative increase)~~

~~5. Within 60 days of startup of the No. 2 Hydrogen Plant, Tosco Permittee shall conduct a District-approved source test for NOx and CO emissions on both furnaces S-1031 and S- 1032. Source testing will be conducted in accordance with Condition No. 16 below. These tests shall be repeated annually. (basis: cumulative increase)~~

~~6. Within two years of the issuance of this Authority to Construct or during the next scheduled turnaround of the No. 3 Crude Unit, which ever comes first, ToscoPermittee shall install low NOx burners in Furnace S-908. After the installation of the low NOx burners, respective emissions of NOx, calculated as NO2, and CO from Furnace S-908 shall not exceed 60 ppmvd and 100 ppmvd, corrected to 3% oxygen, averaged over 8 hours, except during periods of startup or shutdown. (basis: cumulative increase, BACT, offsets)~~

~~7. For the purposes of calculating NOx emissions from Furnace S-908, ToscoPermittee shall use an emission factor of 75 lb NOx/BBtu, after the furnace is equipped with low NOx burners. Consequently, for the purpose of NOx emission calculations only, this source will be removed from Group D of Appendix A of the Engineering Evaluation Report for Application No. 27769 (February 9, 1982). All other Group D requirements and emission calculation procedures still apply. (basis: cumulative increase, offsets)~~

A8. Within 60 days of the installation of low NOx burners in Furnace S-908, ToscoPermittee/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)

~~9. Upon startup of the new hydrogen plant (Source S-1030), the annual NOx and hydrocarbon caps shall be reduced by 58.2 and 1.65 tons per year, respectively. (basis: emission cap, offsets)~~

A10. 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. ToscoPermittee/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. ToscoPermittee/Owner/Operator shall install at least one magnetically-driven pump or equivalent equipment approved by the APCO. (basis: cumulative increase, offsets, BACT)

A14. ~~Tosco~~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)

~~15. Ammonia emissions slip from the SCR Unit (A-38) controlling the No. 2 Hydrogen Plant furnaces shall be limited to 25 ppmvd, corrected to 3% oxygen. Within 60 days of startup of the No. 2 Hydrogen Plant (S-1030), Tosco Permittee shall conduct a source test for ammonia emissions. This test shall be repeated annually. (basis: BACT, toxics)~~

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, ~~Tosco~~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, ~~Tosco~~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, ~~Tosco~~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 ~~Tosco~~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. ~~Tosco~~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. ~~Tosco~~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, ~~Tosco~~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 2A are exceeded, the following conditions shall apply:

i. ~~Tosco~~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. ~~Tosco~~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)

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. ~~Tosco~~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. ~~Tosco~~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, ~~Tosco~~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 ~~Tosco~~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 ~~Tosco~~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. (basis: cumulative increase, offsets)

B4. Monitoring. The following monitoring instruments listed shall be installed, calibrated, maintained and operated by ~~Tosco~~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 #6, S-906,
#3 Crude Unit - Furnace #7, S-907,
#3 Crude Unit - Furnace #8, S-908,
#1 Feed Prep. - Furnace #9, S-909,
#4 Gas Plant - Furnace #10, S-910,
#4 Gas Plant - Furnace #11, S-911,
#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 - Rerun Reboiler - #18 Furnace, S-918,
#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,
Isocracker - #31 Furnace, S-931,
Isocracker - #32 Furnace, S-932,
Isocracker - #33 Furnace, S-933,
Isocracker - #34 Furnace, S-934,
Isocracker - #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, ~~Tosco~~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 ~~Tosco~~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. ~~Tosco~~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~~2~~ years following the date on which such measurements, records or data are made or recorded. (basis: cumulative increase, offsets)

B. ~~Tosco~~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 ~~Tosco~~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. ~~Tosco~~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.
~~Tosco~~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~~45~~,000 barrels/stream day
Merox Unit, S-848	~~26~~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~~65~~,000 barrels per stream day. (basis: cumulative increase, offsets)

The FCCU Merox Unit (S-848) shall not process more than ~~38~~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. ~~Except during start-ups and shutdowns, the nitrogen oxides in the flue gases from sources S-1031 and S-1032 shall not exceed 10 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, ~~Tosco~~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, ~~Tosco~~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, ~~Tosco~~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 ~~Tosco~~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)

~~B~~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)

~~C~~D. In the event that No. 4 Gas Plant modifications are not constructed, ~~Tosco~~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, ~~Tosco~~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 Isocracker-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 ~~Tosco~~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 ~~Tosco~~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 Isocracker-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 ~~Tosco~~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 ~~Tosco~~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 ~~Tosco~~Permittee/Owner/Operator of any of the conditions set forth in this Conditional Permit shall subject ~~Tosco~~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 ~~Tosco~~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 ~~Tosco~~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 ~~Tosco~~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).

H. In the course of constructing the project covered by this Conditional Permit, ~~Tosco~~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. ~~Tosco~~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. ~~Tosco~~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 ~~Tosco~~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.

L. If ~~Tosco~~Permittee/Owner/Operator can demonstrate by modelling to the satisfaction of the Air Pollution Control Officer 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 ~~Tosco~~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 ~~Tosco~~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 ~~Tosco~~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 ~~Tosco~~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 ~~Tosco~~Permittee/Owner/Operator as expeditiously as practicable. Within 30 days after its receipt of such comments and recommendations, ~~Tosco~~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 ~~Tosco~~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/Unicracker feed rate shall not exceed 35,000 barrels per calendar day, or 37,000 barrels per stream day. ~~Tosco~~Permittee/Owner/Operator may submit a permit application to change or remove this condition. (basis: cumulative increase, offsets)

Condition # 8350

S1002 No. 1 HDS Unit
S1003 No. 2 HDS Unit
S1006 No. 1 HDA Unit

TOSCO APPLICATION #6468
DIESEL FUEL MODIFICATION PROJECT PERMIT CONDITION 8350
PERMIT CONDITIONS FOR S-1002, NO. 1 HDS UNIT:

1. The No. 1 HDS Unit (S-1002) shall not process more than 25,000 barrels of naphtha per day, based on a rolling 365-day average. (basis: cumulative increase)

2. 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~~Tosco Refining Company~~, 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)

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)

4. ~~Tosco~~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~~2~~ 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:

1. The No. 2 HDS Unit (S-1003) shall not process more than 40,000 barrels of diesel per day, based on a rolling 365-day average.
(basis: cumulative increase)

2. 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 ~~Tosco Refining Company~~, 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)

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)

4. ~~Tosco~~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~~2~~ 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:

1. The No. 1 HDA Unit (S-1006) throughput rate shall not exceed 20,000 barrels per day, based on a rolling 365- day average. (basis: cumulative increase)

2. 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~~Tosco Refining Company~~, 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)

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)

4. ~~Tosco~~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~~2~~ 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: 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: Regulation 8-5)

Condition # 8517

Condition Deleted (Redundant to Regulation 8-5)

~~PERMIT CONDITIONS FOR S-641 AND S-707, EXTERNAL FLOATING ROOF STORAGE TANKS:~~

~~1. The floating roofs and primary and secondary seals installed on storage tanks S-641 and S-707 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-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, 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 # 8535

S-1404 Sulfur Storage Tank A-756

CONDITIONS FOR S-1404 AND A-1422, PLANT # 13

~~1. Visible particulate emissions from S-1404, sulfur storage tank, and A-1422, Calvert venturi scrubber, shall not reach or exceed Ringelmann 1.0 or result in such quantities so as to cause a public nuisance per Regulation 1-301.~~

1~~2~~. The particulate emissions from the outlet of scrubber A-1422 shall not exceed 0.01 g/dscf. (basis: cumulative increase)

2~~3~~. Sulfur storage tank, S-1404 shall not operate unless it is abated by scrubber A-1422 properly operating as designed. (basis: cumulative increase, Regulation 6-301

3~~4~~. 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)

~~5. The owner/operator of S-1404 and A-1422 shall not operate this equipment in a manner which causes an off-property odor nuisance problem per District Regulations 7-302 and 1-301.~~

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. ~~Tosco~~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.

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. ~~Tosco~~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: 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

Condition Deleted (Redundant to Regulation 8-5)

~~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, Rule 5, BACT)~~

~~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: BACT)~~

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 ~~24 months~~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 # 9605

S-781: SANDBLASTING OPERATION

~~1. Visible particulate emissions from S-781 shall not exceed Ringlemann 1.0 or result in fallout on adjacent property in such quantities as to cause a public nuisance in accordance with Regulation 1-301.~~

1~~2~~. S-781 shall not use more than 100 tons of abrasive blasting material in any consecutive 12 month period. (basis: cumulative increase)

2~~3~~. Only abrasives certified by the California Air Resources Board for dry unconfined blasting shall be used at S-781. (basis: Regulation 12-4)

3~~4~~. In order to demonstrate compliance with conditions #2 and #3, the facility shall maintain the following records in a District approved log:
   a. Time, date, type of abrasive, and quantity of abrasive used for each time the equipment is run.
   b. Monthly totals of abrasive used.
   c. Proof of ARB certification for each abrasive.

   These records shall be kept on site and be made available for District inspection for a period of 5 years~~24 months~~ from the date on which an entry is made.

(basis: cumulative increase)

Condition # 9875

S1452 Oil-Water Separator

PERMIT CONDITIONS FOR S-1452, HYDROCARBON RECOVERY SYSTEM:

1. Permittee/Owner/Operator~~Tosco Refining Company~~ 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 ~~5~~100 ppm (express as methane) for flanges, ~~5~~100 ppm (expressed as methane) for process valves, and ~~1,05~~00 ppm (expressed as methane) for pump seals, measured above background at 1 cm from the source.
   c.~~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. ~~Tosco~~Permittee/Owner/Operator shall submit a final count of new pumps, valves, and flanges within 30 days of start-up of S-1452. ~~Tosco~~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. ~~Tosco~~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

S775 Tank A-849

TOSCO, PLANT 13
APPLICATION #14580
MTBE, ETBE AND TAME TRANSPORT & STORAGE PROJECT
PERMIT CONDITION 10525

1. The following throughput limits for all~~non-exempt~~ materials shall not be exceeded 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 the following two organic liquid storage tanks do not exceed 3.514 tons during any consecutive 12 month period.

Source	Description	Throughput (bbl/yr)	Material Stored
~~S-772~~	~~Tank 772~~	~~2,150,000~~	~~MTBE, ETBE or TAME~~
S-775	Tank 849	11,336,000	MTBE, ETBE or TAME

(basis: cumulative increase, offsets, toxics)

2. The owner/operator may store other hydrocarbon materials than those indicated in Condition 1 above, provided the following three criteria are met:
   a) the true vapor pressure of the alternate material is not greater,
   b) the increase in toxic emissions 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.
   d) the owner/operator has notified Contra Costa County in writing of the material change if it is a hazardous pollutant as defined by the County.

   (basis: cumulative increase, offsets, toxics)

3. Internal floating roof tank S-775 shall have liquid mounted primary seals plus secondary seals. 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 12.3-16). 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
Auto gauge float well	Bolted cover, gasketed
Column well	Pipe column-flexible fabric sleeve seal
Ladder well	Sliding cover, gasketed
Sample Pipe*	Solid or Slotted w/gasket and float
Roof leg	Adjustable, with vapor seal boots (or equivalent seal)
Vacuum breaker	Weighted mechanical actuation, gasketed

(basis: cumulative increase, offsets, toxics, BACT)

*The sample pipe is one pole of the ladder and is in the ladder well.

4. At least two weeks prior to placing S-~~772 and/or~~ S-775 into initial service, ~~Tosco~~Permittee/Owner/Operator shall notify the District that the tank is available for inspection. (basis: cumulative increase, BACT)

5. The owner/operator of tank~~s S-772 and~~ S-775 shall maintain the following records in a District approved log:
   a) The types of materials stored and the dates that the materials were stored.
   b) The total throughput (or tank turnovers) of each material stored, summarized on a monthly basis.
   c) Monthly POC emission calculations from storage tank~~s S-772 and~~ S-775 completed and recorded according to District procedures. All records shall be kept on site and made available for District inspection for a period of 48 months from the date that the record was made.

   (basis: cumulative increase, offsets, toxics)

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 S-772 and~~ S-775, shall not exceed ~~92.6~~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. ~~Tosco~~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 ~~Tosco~~Permittee/Owner/Operator wharf from the cargo carrier to the ~~Tosco~~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 ~~Tosco~~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)

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 No. 2 HDS Cooling Tower
S1100 MTBE Plant

TOSCO APPLICATION #6867
MTBE PLANT
PERMIT CONDITION 10526

PERMIT CONDITIONS FOR S-1100 MTBE PLANT AND S-782 METHANOL FEED STORAGE TANK:

1. The MTBE Plant (S-1100) shall not process more than 3,000 barrels of methyl tertiary butyl ether per day, based on a rolling 30-day average. (basis: cumulative increase, toxics, offsets)

2. 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)

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)

4. The 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)

5. The owner/operator 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)

6. ~~Tosco~~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~~2~~ 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:

1. The internal floating roof and primary and secondary seals installed on storage tank S-782 must meet the design criteria of District Regulation~~s 8-5-312 and~~ 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: Regulation 8-5)

2. 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)

3. 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)

4. 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~~24 months~~ 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, 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: cumulative increase)

2. Permittee/Owner/Operator~~Tosco Refining Company~~ 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 5~~1~~000 ppm (expressed as methane) measured above background at 1 cm from the source; the leak limitation for valves and flanges shall be 1~~5~~00 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, cumulative increase, offsets)

4. ~~Tosco~~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. ~~Tosco~~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. ~~Tosco~~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~~24 months~~ 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 # 10985

Condition Deleted (Redundant to Regulation 8-5)

~~PERMIT CONDITIONS FOR S-637, S-639, S-664, S-694, AND S-702 STORAGE TANKS:~~

~~1. The secondary seals installed on storage tanks 637, S-639, S-664, S-694, and S-702 must meet the seal gap criteria of District Regulation 8, Rule 5, Sections 322. (basis: Regulation 8-5)~~

~~2. To verify compliance with Condition #1 above, the owner/operator of 637, S-639, S-664, S-694, and S-702 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 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 every 5 years. (basis: Regulation 8-5)~~

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, ~~Tosco~~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. ~~Tosco~~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. ~~Tosco~~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 Tosco'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. ~~Tosco~~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~~24 months~~ 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. ~~Tosco~~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~~24 months~~ from the date on which the record was made.

(basis: cumulative increase, offsets)

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. ~~Tosco~~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~~24 months~~ 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. ~~Tosco~~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~~24 months~~ 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~~24 months~~ from the date on which the record was made. (basis: cumulative increase, offsets)

Condition # 11707

Condition Deleted (Redundant to Regulation 8-5)

~~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: 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)~~

Condition # 11896

S280 Tank A-280
S311 Tank A-311
S312 Tank A-312
S314 Tank A-314

PERMIT CONDITIONS FOR ~~S-275,~~ 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-275,~~ 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: Regulation 8-5)

2. To verify compliance with Condition #1 above, the owner/operator of ~~S-275,~~ 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: 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
Plant 13
Tosco 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, ~~Tosco~~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, ~~Tosco~~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. ~~Tosco~~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. Tosco 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. Tosco 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, Tosco 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 Tosco 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 and TRS concentrations;
+ Breakdown requests and associated BAAQMD ID #'s.

Annual Reporting Requirements
+ Storage tank emissions;
+ Emission calculations from flaring events: Tosco is not required to specifically measure flow to the flares, but must use knowledge of process depressurization rates and duration of venting to calculate emissions; and,
+ Pressure relief valve ventings and emissions.
(basis: cumulative increase, offsets)

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 Seals	500	according to Reg 8, Rule 25	(a) dual mechanical seals with heavy liquid barrier fluid either at higher pressure than the process stream or vented to a 95% efficient control device. (b) single mechanical seal vented to 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. Tosco 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, Tosco's cumulative emissions shall be adjusted to reflect the difference between emissions based on predicted versus actual component counts. Tosco 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. ~~Tosco~~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. ~~Tosco~~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. ~~Tosco~~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, ~~Tosco~~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. ~~Tosco~~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, ~~Tosco~~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 ~~Tosco~~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 ~~Tosco~~Permittee/Owner/Operator shall re-calculate the carcinogenic risk for that process stream. (~~Tosco~~Permittee/Owner/Operator may also consider risk reductions for those streams with fewer components, if they wish.) Upon completion of the Clean Fuels Project, ~~Tosco~~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 8-5-311 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~~non-exempt~~ 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. The owner/operator shall not operate S-1421, storage tank S-757, in a manner which causes an off-property odor nuisance problem per District Regulations 7-302 and 1-301.~~

4~~5~~. 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~~24 months~~ 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, TOSCO REFINING:

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)

~~5. Visible particulate emissions shall not exceed 1.0 on the Ringelmann chart.~~

Condition # 13605

Conditions for S-323, Plant 13, Application 25142

1. The throughput of all~~non-exempt~~ materials at S-323 (Tank 323) shall not exceed 11,000,000 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-323 (Tank 323) organic liquid storage tank do not exceed 0.865 tons during any consecutive 12 month period.
(basis: cumulative increase)

2. The 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. Fixed roof tank S-323 shall vent to existing vapor recovery unit, A-14 or an equivalent District-approved abatement system, having a minimum overall control efficiency of 98% on a mass basis. In accordance with the NSPS requirments of 10 CFR 60, Subpart Kb, this tank shall be maintained leak-free (less than 500 ppm above background as methane). (basis: cumulative increase, NSPS)

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~~24 months~~ 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: Regulation 8-5)

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, PLANT 13, TOSCO REFINING COMPANY.

1. Permittee/Owner/Operator ~~Tosco Refining Company~~ 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 acc~~r~~ordance 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 TOSCO 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

TOSCO AVON REFINERY (PLANT #13)
CONDITION ADDED 09/02/99

Condition #1:
Each combustion source listed below shall 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/ Ultramar~~Tosco~~ Source Description
S-901	332	7968	#7 Boiler (FCCU)
S-904	775	18600	#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 –Isocracker Reactor 1 Heater
S-932	20	480	#32 Furnace –Isocracker Reactor 2 Heater
S-933	20	480	#33 Furnace –Isocracker Reactor 3 Heater
S-934	152	3648	#34 Furnace –Isocracker Stabilizer Reboiler
S-935	152	3648	#35 Furnace –Isocracker Splitter Reboiler
S-937	743	17832	#37 Furnace –Hydrogen Plant
S-940	150.4	3610.4	#1 BOILER @ #4 BLR. HSE.
S-941	150.4	3610.4	#2 BOILER @ #4 BLR. HSE.
S-942	150.4	3610.4	#3 BOILER @ #4 BLR. HSE.
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	#56 Furnace-No 3 HDS Recycle Gas Heater
S-974	110	2640	#55 Furnace-No 3 HDS Fractionator Feed Heater

(basis: Reg. 2-1-234.3)

Condition #16729

~~PLANT #13 TOSCO AVON REFINERY, SFAR~~

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~~Permit Holder~~/~~p~~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~~Permit Holder~~/~~p~~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 ~~p~~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 ~~p~~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 ~~p~~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 ~~p~~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 ~~p~~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 #17477

S-1461 External Floating Roof Tank; Capacity: 240,000 BBL, Storing: Crude Oil

1) The total throughput of all VOC/petroleum materials to S-1461 shall not exceed 50,000,000 barrels (2,100,000,000 gallons) during any 12 consecutive month period. (basis: cumulative increase, toxics)

2) The true vapor pressure of each and all VOC/petroleum materials throughput to and/or stored in S-1461 shall be less than or equal to 10 psia. (basis: cumulative increase)

~~3) S-1461 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)~~Deleted (Redundant to Regulation 8-5)

4) The District's emission calculation for S-1461 is based, in part, on the ~~Tosco~~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 (68)
slotted guide pole-sample well (1)
vacuum breaker (2)

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 ~~p~~Permittee/Owner/Operator will provide additional offsets, consistent with the changes, as required by the District. (basis: cumulative increase, toxics, offsets)

5) 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 ~~p~~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)

6) On a monthly basis, the ~~p~~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

1) 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)

2) 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)

3) 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)

4) The District's emission calculation for S-1462 is based, in part, on the ~~Tosco~~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 ~~p~~Permittee/Owner/Operator will provide additional offsets, consistent with the changes, as required by the District. (basis: cumulative increase, toxics, offsets)

5) 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 ~~p~~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)

6) On a monthly basis, the ~~p~~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

1) The total throughput of all VOC/petroleum materials to S-1463 shall not exceed 50,000,000 barrels (2,100,000,000 gallons) during any 12 consecutive month period. (basis: cumulative increase, toxics)

2) The true vapor pressure of each and all VOC/petroleum materials throughput to and/or stored in S-1463 shall be less than or equal to 10 psia. (basis: cumulative increase)

3) S-1463 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)

4) The District's emission calculation for S-1463 is based, in part, on the ~~Tosco~~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 (68)
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 ~~p~~Permittee/Owner/Operator will provide additional offsets, consistent with the changes, as required by the District. (basis: cumulative increase, toxics, offsets)

5) 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 ~~p~~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)

6) On a monthly basis, the ~~p~~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

1) 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)

2) 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)

3) The District's emission calculation for S-1464 is based, in part, on the ~~Tosco~~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 (68)
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 ~~p~~Permittee/Owner/Operator will provide additional offsets, consistent with the changes, as required by the District. (basis: cumulative increase, toxics, offsets)

4) 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 ~~p~~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)

5) On a monthly basis, the ~~p~~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

1) The total throughput of all VOC/petroleum materials to S-1465 shall not exceed 10,000,000 barrels (420,000,000 gallons) during any 12 consecutive month period. (basis: cumulative increase, toxics)

2) The true vapor pressure of each and all VOC/petroleum materials throughput to and/or stored in S-1465 shall be less than or equal to 0.2 psia. (basis: cumulative increase)

3) The District's emission calculation for S-1465 is based, in part, on the ~~Tosco~~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 (48)
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 ~~p~~Permittee/Owner/Operator will provide additional offsets, consistent with the changes, as required by the District. (basis: cumulative increase, toxics, offsets)

4) 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) 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 ~~p~~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)

5) On a monthly basis, the ~~p~~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 ~~T~~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)

2) 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)

3) In a District approved log, the ~~p~~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)

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: 59 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.) 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 shall be 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.) 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 shall be fired exclusively on natural gas and/or refinery fuel gas. (basis: Regulation 9, Rule10)

3.) The maximum firing rate of each source listed shall not exceed the corresponding HHV maximum firing rate, based on an operating day average:

Source (#)	Maximum Firing Rate (HHV) (mmbtu/hr)
S-912	135
S-913	59

S-916	55
S-919	65
S-920	63
S-921	63
S-922	130
S-926	145
S-927	280
S-950	440
S-971	300
S-972	45

(basis: Regulation 9, Rule 10)

4.) S-912, S-913, S-916, S-919, S-920, S-921, S-922, and S-926 shall be 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	0.028
S-913	0.025
S-916	0.025
S-919	0.025
S-920	0.025
S-921	0.025
S-922	0.025
S-926	0.025

(basis: Regulation 9, Rule 10)

5.) Within 45 days after the start-up of ultra low NOx burners at each of S-912, S-913, S-916, S-919, S-920, S-921, S-922, and S-926 Permittee/Owner/Operator shall conduct a District approved source test measuring NOx, CO, and O2 from the source 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.
(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.
(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.
(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.
(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.
(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.
(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.
(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.
(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 the subsequent two source tests conducted on that source shall be 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. (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)

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: 3,240,000 Gallons/Hr)

1. The total cooling tower water recirculation rate at S-975 shall not exceed 3,240,000 gallons per hour or 54,000 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. 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-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) S-1470 shall be fired exclusively on natural gas or refinery fuel gas.
(basis: cumulative increase, toxics)

2) S-1470 shall 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) No refinery fuel gas shall be 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) 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) The total reduced sulfur content of gaseous fuel fired at S-1470 shall not exceed 35 ppmv, based on a rolling 365 day average.
(basis: cumulative increase, BACT, offsets)

5) The total reduced sulfur content of the fuel gas fired at S-1470 shall not exceed 100 ppmv, based on a rolling 24 hour average.
(basis: BACT)

6) S-1470 shall not be operated unless it is equipped with 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) 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) S-1470 shall 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) Total fuel use at S-1470 shall not exceed 262,800 MMBTU during any rolling 12 consecutive month period.
(basis: cumulative increase, toxics, offsets)

10) NOx emissions from S-1470 shall not exceed 10 ppmv, dry, at 3% oxygen, based on a three hour average.
(basis: BACT, cumulative increase, offsets)

11) CO emissions from S-1470 shall not exceed 50 ppmv, dry, at 3% oxygen. (basis: BACT, cumulative increase, offsets)

12) POC emissions from S-1470 shall not exceed 0.683 ton per rolling consecutive 12 month period. (basis: cumulative increase, offsets)

13) PM-10 emissions from S-1470 shall not exceed 0.946 ton per rolling consecutive 12 month period. (basis: cumulative increase, offsets)

14) SO2 emissions from S-1470 shall not exceed 1.793 ton per rolling consecutive 12 month period.
(basis: cumulative increase, BACT, offsets)

15) S-1470 shall be 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) Ammonia slip from A-908 shall 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)

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)

19) Neither S-906 nor S-907 shall be operated after the start-up of S-1470 and 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 # 19528

1) The throughput limits and capacities set forth in the following table are the maximum allowable thoughput limits and capacities for each source:

Table II A - Permitted Sources

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

Plant #B2758 Tesoro Refining and Marketing Company

S-#	Description	Make or Type	Model	Capacity
21	Tank A-21 Gasoline	Fixed roof		189K gal 40K bbl/yr
26	Tank A-26 Gasoline	External floating roof		4,536K gal 10,375K bbl/yr
33	Tank A-33 Gasoline	External floating roof		4,536K gal 10,375K bbl/yr
46	Tank A-46 Crude Oil	Fixed roof		252K gal 2,000K bbl/yr
97	FCCU Catalyst Fines Hopper			14,600 ton/yr
98	FCCU East Catalyst Hopper			5,475 ton/yr
99	FCCU West Catalyst Hopper			9,125 ton/yr
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
101	Truck Rack Loading: Crude Oil, Gasoline, Naphtha, Transmix, Fuel Oil			7,300K bbl/yr
103	Vehicle Service Station			540,000 gal/yr
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
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
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
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

Table II A - Permitted Sources

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

Plant #B2758 Tesoro Refining and Marketing Company

S-#	Description	Make or Type	Model	Capacity
115	Railroad Tank Car Loading Rack Loading: Caustic Waste			550K bbl/yr
125	Tank Car Loading Rack Loading: Gasoline, Naphtha, Kerosene, Diesel, Fuel Oil			18,800K bbl/yr
134	Tank A-134 Fuel Oil, Jet 'A', Gas Oil	External floating roof		651K gal 25,029K bbl/yr
135	Tank A-135 Fuel Oil, Jet 'A', Gas Oil	External floating roof		651K gal 25,029K bbl/yr
137	Tank A-137 Fuel Oil #2, Waste Oil, Gasoline	Fixed roof tank		659K gal 1,915K bbl/yr
217	Tank A-217 Ethers, Gasoline	External floating roof		4,494K gal 10,375K bbl/yr
278	Tank A-278 Naphtha, Alkylate, Gasoline	Internal floating roof		2,960K gal 12,775K bbl/yr
279	Tank A-279 Gasoline	Internal floating roof		3,360K gal 12,000K bbl/yr
280	Tank A-280 Gasoline	Internal floating roof		3,360K gal 12,000K bbl/yr
311	Tank A-311 Gasoline, Naphtha	Internal floating roof		3,318K gal 14,600K bbl/yr
312	Tank A-312 Gasoline	Internal floating roof		3,318K gal 14,600K bbl/yr
313	Tank A-313 Gasoline	Internal floating roof		3,318K gal 7,300K bbl/yr
314	Tank A-314 Gasoline, Ethers	Internal floating roof		3,331K gal 7,700K bbl/yr
315	Tank A-315 Gasoline	Internal floating roof		3,318K gal 7,700K bbl/yr
316	Tank A-316 Gasoline	Internal floating roof		3,337K gal 7,700K bbl/yr
317	Tank A-317 Distillate Oil, Gas Oil, Gasoline	Fixed roof		3,066K gal 16,500K bbl/yr
318	Tank A-318 Crude Oil, Naphtha	Fixed roof		6,846K gal 9,125K bbl/yr

Table II A - Permitted Sources

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

Plant #B2758 Tesoro Refining and Marketing Company

S-#	Description	Make or Type	Model	Capacity
323	Tank A-323 Fuel Oil, Jet 'A', Methyl Alcohol, Gasoline	Fixed roof		924K gal 11,000K bbl/yr
324	Tank A-324 Distillate Oil, Gas Oil, Gasoline	Fixed roof		3,318K gal 12,800K bbl/yr
325	Tank A-325 Caustic Waste, Gasoline	Fixed roof		1407K gal 5000K bbl/yr
327	Tank A-327 Caustic Waste	Fixed roof		634K gal 5000K bbl/yr
367	Tank A-367 Distillate Oil, Gasoline	Fixed roof		3,360K gal 10,200K bbl/yr
403	Tank A-403 Crude Oil, Bunker C Fuel Oil, Distillate Oil, Gas Oil	Fixed roof		567K gal 5000K bbl/yr
428	Tank A-428 Gas Oil, Gasoline	External floating roof		932K gal 25,029K bbl/yr
431	Tank A-431 Naphtha, Distillate Oil, Gasoline	Fixed roof		3,318K gal 18,771K bbl/yr
432	Tank A-432 Ethyl Alcohol, Distillate Oil, Gasoline, Methyl Tertiary -Butyl Ether, Naphtha	Internal floating roof		2,688K gal 7,382K bbl/yr
452	Tank A-452 Ammonia	Fixed roof		45K gal 5000K gal/yr
457	Tank A-457 Alkylate, Gasoline, Methyl Tertiary -Butyl Ether	Fixed roof		630K gal 5000K bbl/yr
490	Tank A-490 Gas Oil	External floating roof		420K gal 5000K gal/yr
499	Tank A-499 Crude Oil	Fixed roof		4.2K gal 5K bbl/yr
513	Tank A-513 Distillate Oil, Gas Oil	Fixed roof		924K gal 5000K bbl/yr
529	Tank A-529 Refinery Sour Waste Water	Fixed roof		118K gal 160000K bbl/yr
530	Tank A-530 Refinery Sour Waste Water	Fixed roof		118K gal 160000K bbl/yr

Table II A - Permitted Sources

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

Plant #B2758 Tesoro Refining and Marketing Company

S-#	Description	Make or Type	Model	Capacity
587	Tank A-587 Refinery Sour Waste Water	Internal floating roof		1,151K gal 9500K bbl/yr
588	Tank A-588 Refinery Sour Waste Water	Internal floating roof		1,151K gal 9500K bbl/yr
590	DEA Flash Drum			29,096K bbl/yr 350,000 tons/yr
601	Tank A-601 Gas Oil	Internal floating roof		714K gal 3,650K bbl/yr
603	Tank A-603 Organic Liquid – other/not Spec	Fixed roof		126K gal 25,029K bbl/yr
605	50 Unit Wastewater Process Vessel	Horizontal vessel		2,503K bbl/yr 1500K bbl/yr
606	50 Unit Wastewater Air Stripper A			2,503K bbl/yr 1000K bbl/yr
607	50 Unit Wastewater Air Stripper B			2,503K bbl/yr 1000K bbl/yr
612	Tank A-612 Ethyl Alcohol, Gasoline	Internal floating roof		420K gal 243K bbl/yr
613	Tank A-613 Organic Liquid – other/not Spec	Fixed roof		420K gal 5000K bbl/yr
619	Tank A-619 Gasoline	Internal floating roof		420K gal 500K bbl/yr
622	Tank A-622 Distillate Oil, Gasoline	Fixed roof		3360K gal 500K bbl/yr
629	Tank A-629 Ammonia	Fixed roof		21K gal 6K bbl/yr
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
637	Tank A-637 Naphtha	External floating roof		3,360K gal 7,300K bbl/yr
638	Tank A-638 Naphtha, Gas Oil, Gasoline	External floating roof		3,360K gal 11,000K bbl/yr
639	Tank A-639 Naphtha	External floating roof		3,360K gal 11,000K bbl/yr

Table II A - Permitted Sources

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

Plant #B2758 Tesoro Refining and Marketing Company

S-#	Description	Make or Type	Model	Capacity
640	Tank A-640 Distillate Oil, Gasoline	External floating roof		3,360K gal 11,000K bbl/yr
641	Tank A-641 Distillate Oil, Gasoline	External floating roof		3,360K gal 11,000K bbl/yr
642	Tank A-642 Hydrocarbon, Gas Oil	External floating roof		1,806K gal 25,029K bbl/yr
643	Tank A-643 Distillate Oil	Fixed roof		84K gal 500K bbl/yr
650	Tank A-650 Refinery Sour Waste Water	External floating roof		5,502K gal 17,520K bbl/yr
651	Tank A-651 Oil/Water Mixture	External floating roof		5,502K gal 17,520K bbl/yr
655	Tank A-655 Refinery Sour Waste Water	Fixed roof		228K gal 6000 bbl/yr
656	Tank A-846 Refinery Sour Waste Water	Fixed roof		126K gal 28,470K bbl/yr
657	Tank A-657 Refinery Sour Waste Water	Fixed roof		48K gal 1K bbl/yr
658	Tank A-847 Refinery Sour Waste Water	Fixed roof		126K gal 28,470K bbl/yr
659	Tank A-659 [Coke Storage]	United Conveyor Co.		1,016,160 ton/yr (limit applies to S659 and S660 combined)
660	Tank A-660 [Coke Storage]	United Conveyor Co.		1,016,160 ton/yr (limit applies to S659 and S660 combined)
663	Tank A-663 Alcohol, Amine, Caustic Waste	Fixed roof		21K gal 500K bbl/yr
664	Tank A-664 Gasoline	External floating roof		5,460K gal 8,000K bbl/yr
690	Tank A-690 Crude Oil	External floating roof		13,020K gal 25,550K bbl/yr
692	Tank A-692 Gasoline	External floating roof		3,276K gal 10,000K bbl/yr
694	Tank A-694 Crude Oil	External floating roof		13,230K gal 21,900K bbl/yr

Table II A - Permitted Sources

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

Plant #B2758 Tesoro Refining and Marketing Company

S-#	Description	Make or Type	Model	Capacity
696	Tank A-696 Gasoline	Internal floating roof		630K gal 2,000K bbl/yr
697	Tank A-697 Gasoline	Internal floating roof		630K gal 2,000K bbl/yr
698	Tank A-698 Ethyl Alcohol, Fuel Oil, Jet 'A', Gasoline	Internal floating roof		630K gal 2,000K bbl/yr
699	Tank A-699 Hydrocarbon	Fixed roof		777K gal 500K bbl/yr
700	Tank A-700 Crude Oil, Waste Water	Fixed roof		84K gal 2,500K bbl/yr
701	Tank A-701 Crude Oil	External floating roof		13,020K gal 21,900K bbl/yr
702	Tank A-702 Gasoline	External floating roof		5,502K gal 12,800K bbl/yr
705	Tank A-705 Crude Oil	External floating roof		9,366K gal 21,900K bbl/yr
706	Tank A-706 Crude Oil	External floating roof		4,746K gal 18,250K bbl/yr
707	Tank A-707 Crude Oil, Hydrocarbon	External floating roof		4,746K gal 18,250K bbl/yr
708	Tank A-708 Crude Oil	External floating roof		13,146K gal 21,900K bbl/yr
709	Tank A-709 Crude Oil, Waste Oil	External floating roof		4,746K gal 18,250K bbl/yr
710	Tank A-710 Alkylate, Gasoline	External floating roof		3,360K gal 12,800K bbl/yr
711	Tank A-711 Crude Oil, Gasoline	External floating roof		3,360K gal 12,800K bbl/yr
714	Tank A-714 Organic Liquid – other/not Spec, Hydrocarbon	Fixed roof		231K gal 6,257K bbl/yr
718	Tank A-268 Organic Liquid – other/not Spec	Fixed roof		4.2K gal 6K bbl/yr
739	Avon Wharf Slop Tank Crude Oil	Horizontal vessel		1.5K gal 5000 gal/yr

Table II A - Permitted Sources

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

Plant #B2758 Tesoro Refining and Marketing Company

S-#	Description	Make or Type	Model	Capacity
741	Pour Depressant Tank Organic Liquid – other/not Spec	Fixed roof		21K gal 5000 gal/yr
743	Fuel Tank for Speeder Gasoline	Horizontal vessel		252 gal 100 bbl/yr
746	Fire Training Fuel Tank Gasoline	Fixed roof		420 gal 500 gal/yr
771	Tank A-713 Alcohol, Amine	External floating roof		84K gal 17,520K bbl/yr
775	Tank A-849 Methyl Tertiary Butyl Ether, Ethyl Tertiary Butyl Ether, Tertiary Amyl Ether	Internal floating roof		4,605K gal 11,336,000 bbl/yr
780	Maintenance Coating Facility			383 gal/yr
781	Sandblasting Operation			100 ton/yr
782	Tank A-782 Methanol	External floating roof		100,000 gal 657K bbl/yr
795	Tank A-307 1,1,1-Trichloroethane, Perchloroethylene	Horizontal vessel		1.7K gal 11,000 gal/yr
802	FCCU Fluid Catalytic Cracker	Reactor UOP Riser Cracker Regenerator (Bechtel)		75K bbl/day 27,375K bbl/yr
804	FCCU Blowdown Tower			2.73K bbl/day 273K bbl/Yr
806	Coker Fluid Coking	Esso License (Bechtel)		53.2K bbl/day 17,447K bbl/yr
807	Coker Blowdown Drum			1 bbl/day 365 bbl/yr
808	Coker Sluice Tank			7.2K ton/day 400K ton/yr
809	Coker Slurry Settler	Dorr		16.4K bbl/day 6,000K bbl/yr
810	Coker Pile Loader System	Barber-Greene		7,200 ton/day 400K ton/yr
815	No. 1 Feed Prep Unit	Worthington		84K bbl/day 30,660K bbl/yr

Table II A - Permitted Sources

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Plant #B2758 Tesoro Refining and Marketing Company

S-#	Description	Make or Type	Model	Capacity
816	No. 2 Feed Prep Unit	Elliott Co.		48K bbl/day 17,520K bbl/yr
817	No. 3 Crude Unit	Elliot Co.		63K bbl/day 22,995K bbl/yr
819	API Oil-Water Separator	Bechtel		729K bbl/day 40,779K bbl/yr
820	Coke Transfer System [No. 6 Boiler Plant]			65 ton/hr 569400 ton/yr
821	Coke Storage Pile			7.2K ton/day 400K ton/yr
822	Cat Cracker Blowdown [with Quench System w/ Controls]			2.73K bbl/day 273K bbl/Yr
823	Heat Exchanger Cleaning Pit North [Tank M286]	Water Wash		10,000 kgal/yr
824	Heat Exchanger Cleaning Pit South [Tank M287]	Water Wash and Diesel		1,008 kgal/yr
831	Bio-Oxidation Pond Open pond			2,400K bbl/day 133,225K bbl/yr
834	No. 50 Crude Blowdown Drum w/o Controls			2.73K bbl/day 273K bbl/Yr
842	Wastewater Treatment Plant Clarifiers, filters, and granular activated carbon	Jacobs Engineering Co.		2,400K bbl/day 133,225K bbl/yr
848	FCCU Merox Unit	Foster Wheeler		55K bbl/day 20,075K bbl/yr
846	No. 3 HDS Cooling Tower	Marley Sigma	126-104	17,462K gal/day 6,374,000K gal/yr
850	No. 3 HDS Unit	Union Finer		70K bbl/day 25550K bbl/yr
851	Ammonia Recovery Unit			77 short tons NH3/day 20,440 ton NH3/yr
854	East Air Flare			1,900 mmbtu/hr 45,600 mmbtu/day
856	Spare DEA Stripper			1,000 gpm rich DEA as 2,130 feed to stripper
858	Cold Cleaner [Machine Shop Lapping Room]			50 gal/yr

Table II A - Permitted Sources

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Plant #B2758 Tesoro Refining and Marketing Company

S-#	Description	Make or Type	Model	Capacity
860	Cold Cleaner [Tool Room]			50 gal/yr
861	Cold Cleaner [Auto Shop]			50 gal/yr
863	LPG Vaporized System [Standby]			4,130K bbl/yr
901	No. 7 Boiler Refinery Fuel Gas, FCCU Flue Gas			332 mmbtu/hr 2,908,320 mmbtu/yr
902	FCCU Startup Heater Refinery Fuel Gas, Natural Gas			85 mmbtu/hr 14,280 mmbtu/yr
903	No. 5 Boiler Refinery Fuel Gas, Coker Flue Gas, (Fuel Oil in emergency)			740 mmbtu/hr 6,482,400 mmbtu/yr
904	No. 6 Boiler Refinery Fuel Gas (Fuel Oil For Pilot In An Emergency) Coker Flue Gas	Riley Stoker		775 mmbtu/hr 6,789,000 mmbtu/yr
905	No. 6 Boiler Startup Heater Refinery Fuel Gas, Natural Gas			47 mmbtu/hr 7,000 mmbtu/yr
908	No. 3 Crude Heater (F8) Natural Gas, Refinery Fuel Gas	Alco	Cabin	220 mmbtu/hr 1,927,200 mmbtu/yr
909	No. 1 Feed Prep Heater (F9) Refinery Fuel Gas, Natural Gas	Alco	Cabin	145 mmbtu/hr 1,270,200 mmbtu/yr
912	No. 1 Feed Prep Heater (F12) Refinery Fuel Gas, Natural Gas	Born	Box	135 mmbtu/hr 1,182,600 mmbtu/yr
913	No. 2 Feed Prep Heater (F13) Refinery Fuel Gas, Natural Gas	Petro Chem	Vertical Cylindrical	59 mmbtu/hr 516,840 mmbtu/yr
915	Platformer Intermediate Heater (F15) Refinery Fuel Gas , Natural Gas	Braun	Cabin	20 mmbtu/hr 175,200 mmbtu/yr
916	No. 1 HDS Heater (F16) Natural Gas, Refinery Fuel Gas	Braun	Cabin	55 mmbtu/hr 481,800 mmbtu/yr
917	No. 1 HDS Prefract Reboiler (F17) Refinery Fuel Gas	Industrial Engineers	Vertical Cylindrical	18 mmbtu/hr 157,680 mmbtu/yr
919	No. 2 HDS Depent Reboiler (F19) Refinery Fuel Gas, Natural Gas	Foster Wheeler	Cabin	65 mmbtu/hr 569,400 mmbtu/yr
920	No. 2 HDS Charge Heater (F20) Refinery Fuel Gas, Natural Gas	Foster Wheeler	Cabin	63 mmbtu/hr 551,880 mmbtu/yr

Table II A - Permitted Sources

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Plant #B2758 Tesoro Refining and Marketing Company

S-#	Description	Make or Type	Model	Capacity
921	No. 2 HDS Charge Heater (F21) Refinery Fuel Gas, Natural Gas	Foster Wheeler	Cabin	63 mmbtu/hr 551,880 mmbtu/yr
922	No. 5 Gas Debutanizer Reboiler (F22) Refinery Fuel Gas, Natural Gas	Petro Chem	Vertical Cylindrical	130 mmbtu/hr 1,138,800 mmbtu/yr
923	Coker Auxiliary Startup Burner Refinery Fuel Gas, Natural Gas			107 mmbtu/hr 17,976 mmbtu/yr
924	Coker Anti-Cook Superheater (F24) Refinery Fuel Gas, Natural Gas	Petro Chem	Vertical Cylindrical	16 mmbtu/hr 140,160 mmbtu/hr
925	Coker Attriting Superheater (F25) Refinery Fuel Gas, Natural Gas			5.9 mmbtu/hr 51,684 mmbtu/yr
926	No. 2 Reformer Splitter Reboiler(F26) Refinery Fuel Gas, Natural Gas	Petro Chem	Vertical Cylindrical	145 mmbtu/hr 1270200 mmbtu/yr
927	No. 2 Reformer Heat/Reheating (F27) Refinery Fuel Gas, Natural Gas	Lummus	Multicell Cabin	280 mmbtu/hr 2,452,800 mmbtu/yr
928	HDN Reactor A Heater (F28) Refinery Fuel Gas, Natural Gas	Foster Wheeler	Cabin	20 mmbtu/hr 175,200 mmbtu/yr
929	HDN Reactor B Heater (F29) Refinery Fuel Gas, Natural Gas	Foster Wheeler	Cabin	20 mmbtu/hr 175,200 mmbtu/yr
930	HDN Reactor C Heater (F30) Refinery Fuel Gas, Natural Gas	Foster Wheeler	Cabin	20 mmbtu/hr 175,200 mmbtu/yr
931	Hydrocracker Reactor 1 Heater (F31) Refinery Fuel Gas, Natural Gas	Foster Wheeler	Cabin	20 mmbtu/hr 175,200 mmbtu/yr
932	Hydrocracker Reactor 2 Heater (F32) Refinery Fuel Gas, Natural Gas	Foster Wheeler	Cabin	20 mmbtu/hr 175,200 mmbtu/yr
933	Hydrocracker Reactor 3 Heater (F33) Refinery Fuel Gas, Natural Gas	Foster Wheeler	Cabin	20 mmbtu/hr 175,200 mmbtu/yr
934	Hydrocracker Stabilizer Reboiler (F34), Refinery Fuel Gas, Natural Gas	Foster Wheeler	Vertical Cylindrical	152 mmbtu/hr 1331520 mmbtu/yr
935	Hydrocracker Splitter Reboiler (F35), Refinery Fuel Gas, Natural Gas	Foster Wheeler	Vertical Cylindrical	152 mmbtu/hr 1331520 mmbtu/yr
936	Regeneration Gas Heater (F36) Natural Gas			3.5 mmbtu/hr 30,660 mmbtu/yr

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Plant #B2758 Tesoro Refining and Marketing Company

S-#	Description	Make or Type	Model	Capacity
937	Hydrogen Plant Heater (F37) Refinery Fuel Gas, Natural Gas	Selas	Twin Cell Reformer	743 mmbtu/hr 6,508,680 mmbtu/yr
938	HDN Prefractionator Heater (F38) Refinery Fuel Gas, Natural Gas			125 mmbtu/hr 1,095,000 mmbtu/yr
941	No. 2 Boiler @ No. 4 Boilerhouse Refinery Fuel Gas, Natural Gas			150 mmbtu/hr 1,314,000 mmbtu/yr
942	No. 3 Boiler @ No. 4 Boilerhouse Refinery Fuel Gas, Natural Gas			150 mmbtu/hr 1,314,000 mmbtu/yr
943	Tank A-691 Safety Flare Natural Gas, Process Gas, Butane			2,500,000 mmbtu/hr 60,000,000 mmbtu/day
944	North Steam Flare Natural Gas, Process Gas			2,700 mmbtu/hr 64,800 mmbtu/day
945	South Steam Flare Natural Gas, Process Gas			2,700 mmbtu/hr 64,800 mmbtu/day
950	50 Unit Crude Heater (F50) Refinery Fuel Gas, Natural Gas	Alcorn	Box	440 mmbtu/hr 3,854,400 mmbtu/yr
951	No. 2 Reformer Aux Reheater (F51) Refinery Fuel Gas, Natural Gas	Optimized Process Furnaces	Cabin	30 mmbtu/hr 131,400 mmbtu/yr
952	Internal Combustion Engine; 9580 cubic inch displacement, 300 Hp, No. 1 Gas Plant Vapor Compressor No. 4023 Natural Gas			3 mmbtu/hr 26,280 mmbtu/yr
953	Internal Combustion Engine; 9580 cubic inch displacement, 300 Hp, No. 1 Gas Plant Vapor Compressor NO. 4024 Natural Gas	Clark		3 mmbtu/hr 26,280 mmbtu/yr
954	Internal Combustion Engine; 9580 cubic inch displacement, 300 Hp, No. 1 Gas Plant Vapor Compressor No. 4025 Natural Gas	Clark		3 mmbtu/hr 26,280 mmbtu/yr

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Plant #B2758 Tesoro Refining and Marketing Company

S-#	Description	Make or Type	Model	Capacity
955	Internal Combustion Engine; 17200 cubic inch displacement, 880 Hp, No. 4 Gas Plant Vapor Compressor No. 4064 Natural Gas	Clark	HRA -8	8.5 mmbtu/hr 74,460 mmbtu/yr
956	Internal Combustion Engine; 17200 cubic inch displacement, 800 Hp, No. 4 Gas Plant Vapor Compressor No. 4065 Natural Gas	Clark	HRA -8	8.5 mmbtu/hr 74,460 mmbtu/yr
957	Internal Combustion Engine; 17200 cubic inch displacement, 880 Hp, No. 4 Gas Plant Vapor Compressor NO. 4066 Natural Gas	Clark	HRA -8	8.5 mmbtu/hr 74,460 mmbtu/yr
958	Internal Combustion Engine; 17200 cubic inch displacement, 800 Hp, No. 4 Gas Plant Vapor Compressor No. 4067 Natural Gas	Clark	HRA -8	8.5 mmbtu/hr 74,460 mmbtu/yr
959	Internal Combustion Engine; 17200 cubic inch displacement, 880 Hp, No. 4 Gas Plant Vapor Compressor No. 4068 Natural Gas	Clark	HRA -8	8.5 mmbtu/hr 74,460 mmbtu/yr
960	Internal Combustion Engine; 12900 cubic inch displacement, 660 Hp, No. 4 Gas Plant Vapor Compressor No. 4096 Natural Gas	Clark	HRA -6	7.5 mmbtu/hr 65,700 mmbtu/yr
963	Gas Turbine 177 [Alky lation Plant] Natural Gas			113 mmbtu/hr 989,880 mmbtuyr
971	No. 3 Reformer UOP Furnace (F53) Refinery Fuel Gas, Natural Gas	KTI	Box	300 mmbtu/hr 2,628,000 mmbtu/yr
972	No. 3 Reformer Debut Reboiler (F54) Refinery Fuel Gas, Natural Gas	Foster Wheeler / KTI	Vertical Cylindrical	45 mmbtu/hr 394,200 mmbtu/yr

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Plant #B2758 Tesoro Refining and Marketing Company

S-#	Description	Make or Type	Model	Capacity
973	No. 3 HDS Recycle Gas Heater (F55) Refinery Fuel Gas, Natural Gas	Entec	Vertical Cylindrical	55 mmbtu/hr 481,800 mmbtu/yr
974	No. 3 HDS Fract Feed Heater (F56) Refinery Fuel Gas, Natural Gas	Entec	Vertical Cylindrical	110 mmbtu/hr 963,600 mmbtu/yr
975	No. 4 Gas Plant Cooling Tower	Marley	13-24A	99,360K gal/day 36,266,400K gal/yr
976	No. 5 Gas Plant Cooling Tower	Marley	11-24-F5	108,000K gal/day 39,420,000K gal/yr
977	No. 3 Crude Unit Cooling Tower	Fluor	270-5811	31,680K gal/day 11,563,200K gal/yr
978	Foul Water Stripper Cooling Tower	Fluor	JCF-2164-23048ALP-SP	5,904K gal/day 2,154,960K gal/yr
979	NO. 2 Feed Prep Cooling Tower	Fluor	2NDA-164-2430-AALP-SP	21,600K gal/day 7,884,000K gal/yr
980	Hydrocracker Cooling Tower	Fluor	3F60D-164V-3030BPF	17,280K gal/day 6,307,200K gal/yr
981	No. 1 HDS Cooling Tower	Fluor	3NDA 184 30x36 CC	20,160K gal/day 7,358,400K gal/yr
982	No. 2 HDS Cooling Tower	Pritchard	4-3042LA18	17,280K gal/day 6,307,200K gal/yr
983	Alky/No. 2 Reformer Cooling Tower	Fluor	4FPA 1204-3042AALP	48,960K gal/day 17,870,400K gal/yr
985	No. 1 Gas Plant Cooling Tower	Fluor	2NDD-144-2430	23,040K gal/day
987	No. 50 Unit Cooling Tower	Marley	3-24-AAD-F-15000	21,600K gal/day 7,884,000K gal/yr
988	No. 3 Reformer Cooling Tower			14,400K gal/day 5,256,000K gal/yr
990	Amine/HC Separator Tank Tank 749			$5x10^9$ gal/yr
991	FCCU Preheat Furnace H-57 Refinery Fuel Gas, Natural Gas			43 mmbtu/hr 1,032 mmbtu/day
992	Emergency Flare Natural Gas, Process Gas			13,200 mmbtu/hr 316,800 mmbtu/yr

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Plant #B2758 Tesoro Refining and Marketing Company

S-#	Description	Make or Type	Model	Capacity
1001	No. 50 Crude Unit			120K bbl/day 40,880K bbl/yr
1002	No. 1 HDS Unit			28K bbl/day 9,125K bbl/yr
1003	No. 2 HDS Unit			40K bbl/day 14,600K bbl/yr
1004	No. 2 Catalytic Reformer			38.4K bbl/day 14,016K bbl/yr
1005	No. 1 Hydrogen Plant	Bechtel/Parsons		93.3 mmscf/day 3,1025 mmscf/yr
1006	No. 1 HDA Unit			20K bbl/day 7300K bbl/yr
1007	Hydrocracker Unit [Hydrocracker 2nd Stage]			37K bbl/day 12,775K bbl/yr
1008	Hydrocracker Unit [Hydrocracker 1st Stage]			37K bbl/day 12,775K bbl/yr
1009	Alkylation Unit			22.3K bbl/day 8,134K bbl/yr
1012	West Air Flare Process Gas			2,755 mmbtu/hr 66,120 mmbtu/day
1013	Ammonia Plant Flare	John Zink		2,670 mmbtu/hr 64,080 mmbtu/day
1020	No. 3 UOP Reformer			25.2K bbl/day 8,760K bbl/yr
1025	Bulk Plant; Bottom Loading Facilities Gasoline, Naphtha, Kerosene, Diesel, Fuel Oil	Oilco		18,615K bbl/yr
1026	DAF Air Stripper			0.48 ton/day 175.2 ton/yr
1038	Benzene Saturation Unit			10,400 bbl/day 3,796 K bbl/yr
1040	Butadiene Plant			12,000 bbl/day 4,380K bbl/yr
1100	MTBE Plant			3 K bbl/day MTBE 1,095K bbl/yr

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Plant #B2758 Tesoro Refining and Marketing Company

S-#	Description	Make or Type	Model	Capacity
1101	Subsurface Aerator System [at Tract 3 West Canal]			4.56 mmscf/day 1,664.4 mmscf/yr
1102	Subsurface Aerator System [at Tract 3 North Pond]			1.152 mmscf/day 420.5 mmscf/yr
1103	Subsurface Aerator System [at Clean Canal Forebay]			1.152 mmscf/day 420.5 mmscf/yr
1104	Subsurface Aeration System [at Oily Canal]			1.152 mmscf/day 420.5 mmscf/yr
1401	SAP: Sulfur Recovery Unit	SCOT		200 short ton/day 73,000 short ton/yr
1404	Sulfur Storage Tank A-756	Fixed roof		1,200 ton/day 438,000 ton/yr
1405	Sulfur Collection Pit			200 short ton/day 73,000 ton/yr
1411	Sulfuric Acid Mfg Plant			480 short ton/day 164,250 ton/yr
1412	Startup Heater Natural Gas, Refinery Fuel Gas			7.3 mmbtu/hr 1227 mmbtu/yr
1413	SAP: No. 1 Oleum Tank A-753	Fixed roof		1,202.4 ton/day 438,876 ton/yr
1414	SAP: No. 2 Oleum Tank A-763	Fixed roof		1,202.4 ton/day 438,876 ton/yr
1415	SAP: H2SO4 Loading Dock			1,728 ton/day 7,000 ton/yr
1416	SAP: No. 1 Spent Acid Tank A-745	Fixed roof		1,800 ton/day 100,000 ton/yr
1417	SAP: No. 2 Spent Acid Tank A-746	Fixed roof		1,800 ton/day 100,000 ton/yr
1418	SAP: Rich DEA Tank A-750	Fixed roof		73K bbl/day 26,655K bbl/yr
1420	SAP: Tail Gas In-Line Burner Natural Gas	John Zink		3,650 mmbtu/hr 31,974,000 mmbtu/yr
1421	SAP: Sour Water Feed Tank A-757 [Ammonia Recovery Unit]	External floating roof		11.7K bbl/day 4,270K bbl/yr
1422	Tank A-782 ARU Feed Tank	External floating roof		4,270.5K bbl/yr
1452	Oil-Water Separator [Hydrocarbon Recovery System]			1K bbl/yr

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Plant #B2758 Tesoro Refining and Marketing Company

S-#	Description	Make or Type	Model	Capacity
1455	Cold Cleaner [Auto Shop]			25 gal/yr
1456	Cold Cleaner [I&E Shop]			50 gal/yr
1457	Cold Cleaner [Compressor Shop]			50 gal/yr
1458	Cold Cleaner [Valve Shop]			50 gal/yr
1461	Tank A-866 Crude Oil	External floating roof		10,080K gal 50,000,000 bbl/yr
1463	Tank A-867 Crude Oil, HDS Gas Oil	External floating roof		10,080K gal 50,000,000 bbl/yr
1464	Tank A-868 Diesel, Jet A, Kerosene	External floating roof		4,200K gal 10,000,000 bbl/yr
1465	Tank A-869 Jet A, Diesel, Kerosene	External floating roof		4,200K gal 10,000,000 bbl/yr
1470	No. 71 Furnace; No. 3 Crude Vacuum Distillation Heater Refinery Fuel Gas, Natural Gas			30 mmbtu/hr 720 mmbtu/yr
Plant # B2759 19	Tank B-19 Crude Oil	External floating roof		3318K gal 5400K gal/yr
Plant # B2759 21	Tank B-21 Crude Oil, Gasoline	External floating roof		3276K gal 9623K gal/yr
Plant # B2759 30	Tank B-30 Crude Oil, Gasoline	External floating roof		3318K gal 4000K gal/yr
Plant # B2759 49	Tank B-49 Crude Oil	External floating roof		5964K gal 186900K gal/yr
Plant # B2759 50	Tank B-50 Crude Oil	External floating roof		5922K gal 179424K gal/yr
Plant # B2759 54	Amorco Wharf Slop Tank Slop Oil	Horizontal vessel		840 gal 1K gal
Plant # B2759 55	Amorco Terminal (New Wharf) Crude Oil, Diesel, Gas Oil, Naphtha, Kerosene, Fuel Oils			31,060K bbl/yr

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
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
	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
		Y		Refinery MACT Periodic Reports	40 CFR 63 Subpart CC 63.654(g)	P	Report
		Y		Benzene Waste NESHAP Annual Report	40 CFR 61 Subpart FF 61.357(d)	P	Report
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 - A
Applicable Limits and Compliance Monitoring Requirements
S97-CATALYST FINES HOPPER WITH ZURN INDUSTRIAL #310A BLOWER
S98-CATALYST FINES HOPPER AT FCCU, 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	none	N	N/A
FM	BAAQMD Regulation 6-310	Y		No emissions from source > 0.15 grains per dscf of exhaust gas volume	none	N	N/A

Table VII -
Applicable Limits and Compliance Monitoring Requirements
S100-AVON WHARF LOADING BERTH NO. 1 MARINE BULK PLANT WITH VAPOR RECOVERY SYSTEM
S106-AVON WHARF LOADING BERTH NO. 3, MARINE BULK PLANT
S108-AVON WHARF LOADING BERTH NO. 5, MARINE BULK PLANT
S114-AVON WHARF LOADING BERTH NO. 6

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	BAAQMD 8-44-301.1	Y		POC Emission $\leq$ 5.7 grams per cubic meter (2 lb/1000 barrel) loaded, or	BAAQMD Condition # 19528, Part 2	P/A	Source Test

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - A
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	N		Fugitives ≤ 0.42 lb/1000 gallon	none	N	N/A
VOC	BAAQMD Regulation 8-7-313.2	N		Spillage ≤ 0.42 lb/1000 gallon	none	N	N/A
VOC	BAAQMD Regulation 8-7-313.3	N		Liquid Retain + Spitting ≤ 0.42 lb/1000 gallon	none	N	N/A
VOC	None	N		None	BAAQMD Regulation 8-7-503	P/A	Records

Table VII - A
Applicable Limits and Compliance Monitoring Requirements
S101-BULK PLANT TRUCK RACK;
S125-BULK PLANT TRUCK/RAIL;
S1025-BULK PLANT TRUCK/RAIL

Type of limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 8-6-301	Y		21 g/cubic meter (0.17 lb/1000 gallons)	CARB Certification	P/ 6 months; throughput limit revision	Source test; Recordkeeping
	BAAQMD 8-6-302.1	Y		44 g/cubic meter (0.35 lb/1000 gallons)	CARB Certification	P/ 6 months; throughput limit revision	Source test; Recordkeeping
	BAAQMD 8-6-302.2	Y		Submerged fill pipe, bottom filling, or a vapor loss control system	none	N	N/A

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - A
Applicable Limits and Compliance Monitoring Requirements
S101-BULK PLANT TRUCK RACK;
S125-BULK PLANT TRUCK/RAIL;
S1025-BULK PLANT TRUCK/RAIL

Type of limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
	BAAQMD 8-33-301	Y		9.6 g/1000 liters (0.08 lb/1000 gallons)	CARB Certification	P/ 6 months; throughput limit revision	Source test; Recordkeeping
	BAAQMD 8-33-308	Y		3,000 ppm as methane and 6.8 Kg (15 pounds) per day	BAAQMD Condition #7492, part 5d, and part 9	C	Infrared HC Analyzer
	BAAQMD 8-33-309	Y		46 cm (18 in.) of water column	BAAQMD 8-33-309, and BAAQMD Condition #7492, part 5b	P/during product loading	Pressure gauge

Table VII - A
Applicable Limits and Compliance Monitoring Requirements
S605–PROCESS VESSEL FOR NO. 50 UNIT WASTE WATER HORIZONTAL TANK

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
	40 CFR, Subpart FF, 61.342(c)(1)(i)	Y		general standards - as specified in 61.342	as specified for 61.348	as specified for 61.348	as specified for 61.348
	40 CFR, Subpart FF, 61.343	Y		cover standards for tanks	61.343 (c)	P/initially and quarterly	inspection records, records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - A
Applicable Limits and Compliance Monitoring Requirements
S605–PROCESS VESSEL FOR NO. 50 UNIT WASTE WATER HORIZONTAL TANK

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
	40 CFR, Subpart FF, 61.348(a)(1)(i)	Y		remove benzene to less than 10 ppmw on a flow-weighted annual average basis	61.354(a)(1)	P/M	benzene concentra-tion analysis
	40 CFR, Subpart FF, 61.348(a)(1)(ii)	Y		remove benzene by 99% or more on a mass basis	61.354(a)(2)	C	treatment system operating parameters
	40 CFR, Subpart FF, 61.348(a)(1)(iii)	Y		destroys benzene in waste stream by 99% or more	61.354(a)(2)	C	treatment system operating parameters
Fugitive VOC	MACT 40 CFR 63	Y		No detectable organic emissions.	MACT 40 CFR 63.1046 (a): Method 21 of 40 CFR part 60, appendix A	P	visual inspection, records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - A
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

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - A
Applicable Limits and Compliance Monitoring Requirements
S606–WASTEWATER AIR STRIPPER A FOR NO. 50 UNIT, DAF
S607–WASTEWATER AIR STRIPPER B FOR NO. 50 UNIT, DAF
S819–API OIL WATER SEPARATOR, S1026–DAF AIR STRIPPER
S1452-OIL WATER SEPARATOR, HYDROCARBON 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
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	records of amount of bypassed wastewater, duration, date, causes for bypasses, and dissolved critical OC conc. (volume)
	8-8-307			cover standards for air flotation units	8-8-503	P/initially and then at various intervals thereafter	Records of inspections and repairs
	40 CFR, Subpart FF, 61.342(c)(1)(i)	Y		general standards - as specified in 61.342	as specified for 61.348	as specified for 61.348	as specified for 61.348
	40 CFR, Subpart FF, 61.348(a)(1)(i)	Y		remove benzene to less than 10 ppmw on a flow-weighted annual average basis	61.354(a)(1)	P/M	benzene concentra-tion analysis

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - A
Applicable Limits and Compliance Monitoring Requirements
S606–WASTEWATER AIR STRIPPER A FOR NO. 50 UNIT, DAF
S607–WASTEWATER AIR STRIPPER B FOR NO. 50 UNIT, DAF
S819–API OIL WATER SEPARATOR, S1026–DAF AIR STRIPPER
S1452-OIL WATER SEPARATOR, HYDROCARBON 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
	40 CFR, Subpart FF, 61.348(a)(1)(ii)	Y		remove benzene by 99% or more on a mass basis	61.354(a)(2)	C	treatment system operating parameters
	40 CFR, Subpart FF, 61.348(a)(1)(iii)	Y		destroys benzene in waste stream by 99% or more	61.354(a)(2)	C	treatment system operating parameters
Fugitive VOC	MACT 40 CFR 63	Y		No detectable organic emissions.	MACT 40 CFR 63.1046 (a): Method 21 of 40 CFR part 60, appendix A	P	visual inspection, records
	MACT 40 CFR 63	Y		Floating Roof Gap Limits	MACT 40 CFR 63.1046 (b)	P	gap measurements, records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - A
Applicable Limits and Compliance Monitoring Requirements
S659-TANK A-659 COKE STORAGE TANK, S660-TANK A-660 COKE STORAGE TANK S808-COKE HANDLING; COKER SLUICE TANK, S810-COKE LOADING SYSTEM AT PILE S820-COKE TRANSFER SYSTEM AT NO. 6 BOILER PLANT, 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	none	N	N/A
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
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 - A
Applicable Limits and Compliance Monitoring Requirements
S780-MAINTENANCE COATING FACILITY

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 8-19-302.2	Y		Air-Dried Coatings: 340 g/l or 2.8 lb/gal	BAAQMD Regulation 8-19-501	P/W	Records
VOC	BAAQMD Regulation 8-19-312.1 to 312.13	Y		Specialty Coatings, Air-dried Limit: 420 g/l or 3.5 lb/gal	BAAQMD Regulation 8-19-501	P/W	Records

Table VII - A
Applicable Limits and Compliance Monitoring Requirements
S781-SANDBLASTING OPERATION

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD Regulation 6-301	Y		Ringelmann No. less than 1 for more than 3 minutes	none	N	N/A
FP	BAAQMD Regulation 6-310	Y		No emissions from source > 0.15 grains per dscf of exhaust gas volume	none	N	N/A

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII -
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
Opacity	BAAQMD 6-301	Y		Ringelmann No. 1	none	N	N/A
	BAAQMD 6-302	Y		Opacity Limitation (where opacity monitor is required by the District)	6-502	C	records
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
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	Y		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

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII -
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	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	Y		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 - A
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 - A
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
	BAAQMD 9-1-304	Y		0.5 weight% sulfur limit in liquid and solid fuels; 300 ppm SO2 emission concentration from solid fuel combustion	1-520.4 (9-1-502 requires compliance with BAAQMD 1-520 and 522)	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
PM	BAAQMD 9-1-310.2	Y		SO2 emission limits for coke calcining kilns (the lower of: 400 ppmv OR 250 lb/hr)	none	N	N/A
Opacity	BAAQMD 6-301	Y		Ringelmann No. 1	none	N	N/A
PM	BAAQMD 6-302	Y		Opacity Limitation (where opacity monitor is required by the District)	6-502	C	records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - A
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
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

Table VII - A
Applicable Limits and Compliance Monitoring Requirements
S815–NO. 1 FEED PREP. UNIT, S816-NO. 2 FEED PREP. UNIT, S817-NO. 3 CRUDE UNIT

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 8-2-301	Y		miscellaneous operations shall not emit more than 15 lb/day and containing a concentration of more than 300 ppm total carbon on a dry basis	8-2-601	N	BAAQMD source test method or EPA Method 25 or 25A
POC	BAAQMD 8-10-301	Y		abatement of emissions from process vessel depressurization is required until pressure is reduced to less than 1000 mm Hg	8-10-401.2	P/E	Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A
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	N/A
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 - K
Applicable Limits and Compliance Monitoring Requirements
S842–WASTEWATER TREATMENT PLANT

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
	40 CFR, Subpart FF, 61.342© (1)(i)	Y		general standards - as specified in 61.342	as specified for 61.348	as specified for 61.348	as specified for 61.348
	40 CFR, Subpart FF, 61.348(a) (1)(i)	Y		remove benzene to less than 10 ppmw on a flow-weighted annual average basis	61.354(a)(1)	P/M	benzene concentra-tion analysis

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - K
Applicable Limits and Compliance Monitoring Requirements
S842–WASTEWATER TREATMENT PLANT

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
	40 CFR, Subpart FF, 61.348(a)(1)(ii)	Y		remove benzene by 99% or more on a mass basis	61.354(a)(2)	C	treatment system operating parameters
	40 CFR, Subpart FF, 61.348(a)(1)(iii)	Y		destroys benzene in waste stream by 99% or more	61.354(a)(2)	C	treatment system operating parameters
Fugitive VOC	MACT 40 CFR 63	Y		No detectable organic emissions.	MACT 40 CFR 63.1046 (a): Method 21 of 40 CFR part 60, appendix A	P	visual inspection, records

Table VII - A
Applicable Limits and Compliance Monitoring Requirements
S851–AMMONIA 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
	40 CFR, Subpart FF, 61.342© (1)(i)	Y		general standards - as specified in 61.342	as specified for 61.348	as specified for 61.348	as specified for 61.348

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - A
Applicable Limits and Compliance Monitoring Requirements
S851–AMMONIA 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
	40 CFR, Subpart FF, 61.348(a)(1)(i)	Y		remove benzene to less than 10 ppmw on a flow-weighted annual average basis	61.354(a)(1)	P/M	benzene concentra-tion analysis
	40 CFR, Subpart FF, 61.348(a)(1)(ii)	Y		remove benzene by 99% or more on a mass basis	61.354(a)(2)	C	treatment system operating parameters
	40 CFR, Subpart FF, 61.348(a)(1)(iii)	Y		destroys benzene in waste stream by 99% or more	61.354(a)(2)	C	treatment system operating parameters
Fugitive VOC	MACT 40 CFR 63	Y		No detectable organic emissions.	MACT 40 CFR 63.1046 (a): Method 21 of 40 CFR part 60, appendix A	P	visual inspection, records
	MACT 40 CFR 63	Y		Floating Roof Gap Limits	MACT 40 CFR 63.1046 (b)	P	gap measurements, records

Table VII - A
Applicable Limits and Compliance Monitoring Requirements
S854-EAST AIR FLARE, S992-EMERGENCY FLARE, S1013-AMMONIA PLANT FLARE

VII. Applicable Limits and Compliance Monitoring Requirements

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	40 CFR 63 Subpart CC 63.643(a) (applies to abated process vents only)	Y		HAP Destruction Efficiency ≥ 98 weight % or an outlet concentration of 20 ppmv	40 CFR Subpart CC 63.644(1) (for incinerator)	P/C	Temperature
	40 CFR 63 Subpart CC 63.643(a) (applies to abated process vents)	Y		HAP Destruction Efficiency ≥ 98 weight % or an outlet concentration of 20 ppmv	40 CFR Subpart CC 63.644(2) (for flare)	P/C	Temperature or Ultraviolet or Infrared Beam Sensor capable of detecting the flame
	40 CFR 63 Subpart CC 63.643(a) (applies to abated process vents only)	Y		HAP Destruction Efficiency ≥ 98 weight % or an outlet concentration of 20 ppmv	40 CFR Subpart CC 63.644(3) (for boiler or process heater ≥ 44 MW)	P/C	Temperature
H2S	40 CFR 60 Subpart J 60.104(a)(1)	Y		fuel gas H2S concentration limited to 230 mg/dscm (0.10 gr/dscf) except for gas burned as a result of process upset or gas burned at flares from relief valve leaks or other emergency malfunctions	40 CFR 40 CFR 60.105(a)(4)	N	H2S Monitor

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - A
Applicable Limits and Compliance Monitoring Requirements

S943-TANK 691 SAFETY FLARE
S944-NORTH STEAM FLARE
S945-SOUTH STEAM FLARE
S1012-WEST AIR FLARE

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
	40 CFR 63 Subpart CC 63.643(a) (applies to abated process vents)	Y		HAP Destruction Efficiency $\geq$ 98 weight % or an outlet concentration of 20 ppmv	40 CFR Subpart CC 63.644(2) (for flare)	P/C	Temperature or Ultraviolet or Infrared Beam Sensor capable of detecting the flame

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - A
Applicable Limits and Compliance Monitoring Requirements
S846-NO. 3 HDS COOLING TOWER
S975-NO. 4 GAS PLANT 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
S982-NO. 2 HDS COOLING TOWER
S983-ALKY AND NO. 2 REFORMER COOLING TOWER
S985-NO. 1 GAS PLANT COOLING TOWER
S987-NO. 50 UNIT COOLING TOWER
S988-NO. 3 REFORMER COOLING TOWER

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD Regulation 6-301	Y		Ringelmann No. less than 1 for more than 3 minutes	none	N	N/A
FP	BAAQMD Regulation 6-310	Y		No emissions from source > 0.15 grains per dscf of exhaust gas volume	none	N	N/A

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A
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		N			Regulation 8-16-501	P/M	Records

Table VII - A
Applicable Limits and Compliance Monitoring Requirements

S901-FCCU NO. 7 BOILERHOUSE, CAPACITY: 487 MMBTU/HR, REFINERY FUEL GAS, CARBON MONOXIDE
S904-NO. 6 BOILERHOUSE, CAPACITY: 775 MMBTU/HR, REFINERY FUEL GAS, (FUEL OIL FOR PILOT IN AN EMERGENCY)

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	7/1/02	Refinery -wide emissions (excluding CO Boilers): 0.033 lb NOx/ MMBTU	BAAQMD 9-10-502	See Flowsheet to determine Monitoring Requirements	See Flowsheet to determine Monitoring Requirements

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - A
Applicable Limits and Compliance Monitoring Requirements

S901-FCCU NO. 7 BOILERHOUSE, CAPACITY: 487 MMBTU/HR, REFINERY FUEL GAS, CARBON MONOXIDE
S904-NO. 6 BOILERHOUSE, CAPACITY: 775 MMBTU/HR, REFINERY FUEL GAS, (FUEL OIL FOR PILOT IN AN EMERGENCY)

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	See Flowsheet to determine Monitoring Requirements	See Flowsheet to determine Monitoring Requirements
NOx	BAAQMD 9-10-303	Y		Federal interim emissions: Refinery-wide emissions (excluding CO Boilers): 0.20 lb NOx/MMBTU	BAAQMD 9-10-502	See Flowsheet to determine Monitoring Requirements	See Flowsheet to determine Monitoring Requirements
NOx	BAAQMD 9-10-303.1	Y		Federal interim emissions: CO Boiler emissions: 300 ppm (dry, 3% O_2)	BAAQMD 9-10-502	See Flowsheet to determine Monitoring Requirements	See Flowsheet to determine Monitoring Requirements
NOx	BAAQMD 9-10-304	Y	7/1/02	CO Boiler emissions: 150 ppm (dry, 3% O_2) or >50% abatement	BAAQMD 9-10-502	See Flowsheet to determine Monitoring Require-ments	See Flowsheet to determine Monitoring Requirements
O2		Y	7/1/02	CEM for NOx, O2, or CO2 only if >250 MMBTU/hr	BAAQMD 1-520.1	C	CEM

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - A
Applicable Limits and Compliance Monitoring Requirements

S901-FCCU NO. 7 BOILERHOUSE, CAPACITY: 487 MMBTU/HR, REFINERY FUEL GAS, CARBON MONOXIDE
S904-NO. 6 BOILERHOUSE, CAPACITY: 775 MMBTU/HR, REFINERY FUEL GAS, (FUEL OIL FOR PILOT IN AN EMERGENCY)

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	7/1/02	No limit	BAAQMD 9-10-502	See Flowsheet to determine Monitoring Requirements	See Flowsheet to determine Monitoring Requirements
O2		Y		No limit	40 CFR 60.45(a)	C	CEM
CO	BAAQMD 9-10-305	Y		400 ppmv (dry, 3% O_2)	BAAQMD 9-10-502	See Flowsheet to determine Monitoring Requirements	See Flowsheet to determine Monitoring Requirements
Opacity	BAAQMD 6-301	Y		Ringelmann No. 1 for no more than 3 minutes/hour			
Opacity	BAAQMD 6-302	Y		> 20% Opacity for no more than 3 minutes/hour	BAAQMD 1-520.1[only if >250 MMBTU/hr and burns liquid or solid fuel]	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	N or C	None or COM

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - A
Applicable Limits and Compliance Monitoring Requirements

S901-FCCU No. 7 Boilerhouse, Capacity: 487 MMBtu/hr, Refinery Fuel Gas, Carbon Monoxide
S904-No. 6 Boilerhouse, Capacity: 775 MMBtu/hr, Refinery Fuel Gas, (Fuel oil For Pilot In An Emergency)

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	
PM	40 CFR 60 Subpart D 60.42(a)(1)	Y		0.10 lb/MMBTU			
Opacity	40 CFR 60 Subpart D 60.42(a)(2)	Y		20% opacity; 27% opacity for 6 min/hour	40 CFR 60.45(a)	C	CEM [Not required for gaseous fuel]
	Condition #[xx], part [x]						
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
SO2	BAAQMD 9-1-304	Y		Sulfur content of liquid fuel <0.5% by weight [Delete if gaseous fuel only]	INSERT condition	P/Q	sulfur content of fuel
	BAAQMD Condition #[xx], part [x]						
Fuel Flow		Y		Firing duty limits amount of fuel.	BAAQMD 9-10-502.2	C	Fuel Flowmeter [If subject to 301, 304, and 305]

VII. Applicable Limits and Compliance Monitoring Requirements

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - A
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
S906-NO. 6 FURNACE; NO. 3 CRUDE UNIT, 88 MMBTU/HR, REFINERY FUEL GAS, NATURAL GAS
S907-NO. 7 FURNACE; NO. 3 CRUDE UNIT, 35 MMBTU/HR, REFINERY FUEL GAS, NATURAL GAS
S908-NO. 8 FURNACE; NO. 3 CRUDE UNIT, 220 MMBTU/HR, REFINERY FUEL GAS, NATURAL GAS
S909- NO. 9 FURNACE; NO. 1 FEED PREP., 145 MMBTU/HR, REFINERY FUEL GAS, NATURAL GAS
S912-NO. 12 FURNACE; NO. 1 FEED PREP., 135 MMBTU/HR, REFINERY FUEL GAS, NATURAL GAS
S913-NO. 13 FURNACE; NO. 2 FEED PREP., 59 MMBTU/HR, REFINERY FUEL GAS, 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, 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
S922-NO. 22 FURNACE; NO. 5 GAS PLANT DEBUTANIZER REBOILER, 130 MMBTU/HR, REFINERY FUEL GAS, NATURAL GAS
S924-NO. 24 FURNACE; COKER ANTI-COOKING STEAM SUPERHEATER, 16 MMBTU/HR, REFINERY FUEL GAS, NATURAL GAS
S925-NO. 25 FURNACE; COKER ATTRITING STEAM SUPERHEATER, 5.9 MMBTU/HR, REFINERY FUEL GAS, NATURAL GAS
S926-NO. 26 FURNACE; #2 REFORMER SPLITTER REBOILER, 145 MMBTU/HR, REFINERY FUEL GAS
S927-NO. 27 FURNACE; #2 REFORMER HEATING AND REHEATING, 310 MMBTU/HR, REFINERY FUEL GAS, NATURAL GAS
S928-NO. 28 FURNACE; HDN REACTOR A HEATER, 20 MMBTU/HR, REFINERY FUEL GAS, NATURAL GAS
S929-NO. 29 FURNACE; HDN REACTOR B HEATER, 20 MMBTU/HR, REFINERY FUEL GAS, NATURAL GAS
S929-NO. 29 FURNACE; HDN REACTOR C 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.

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - A
Applicable Limits and Compliance Monitoring Requirements
S923-COKER AUXILIARY BURNER (START UP USE ONLY), 170 MMBTU/HR, REFINERY FUEL GAS, NATURAL GAS
S924-NO. 24 FURNACE; COKER ANTI-COOKING STEAM SUPERHEATER, 16 MMBTU/HR, REFINERY FUEL GAS, NATURAL GAS
S925-NO. 25 FURNACE; COKER ATTRITING STEAM SUPERHEATER, 5.9 MMBTU/HR, REFINERY FUEL GAS, NATURAL GAS
S926-NO. 26 FURNACE; #2 REFORMER SPLITTER REBOILER, 145 MMBTU/HR, REFINERY FUEL GAS
S927-NO. 27 FURNACE; #2 REFORMER HEATING AND REHEATING, 310 MMBTU/HR, REFINERY FUEL GAS, NATURAL GAS
S928-NO. 28 FURNACE; HDN REACTOR A HEATER, 20 MMBTU/HR, REFINERY FUEL GAS, NATURAL GAS
S929-NO. 29 FURNACE; HDN REACTOR B HEATER, 20 MMBTU/HR, REFINERY FUEL GAS, NATURAL GAS
S929-NO. 29 FURNACE; HDN REACTOR C 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
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
S936-NO. 36 FURNACE; REGENERATION GAS HEATER, 3.5 MMBTU/HR, NATURAL GAS
S937-NO. 37 FURNACE; HYDROGEN PLANT, 743 MMBTU/HR, REFINERY FUEL GAS, NATURAL GAS
S938-NO. 38 FURNACE; HDN PREFRACTIONATOR, 125 MMBTU/HR, REFINERY FUEL GAS, NATURAL GAS
S950-NO. 50 FURNACE; CRUDE HEATER, 440 MMBTU/HR, REFINERY FUEL GAS, NATURAL GAS

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - A
Applicable Limits and Compliance Monitoring Requirements

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
NOx		Y		CEM for NOx, O2, or CO2 only if >250 MMBTU/hr	BAAQMD 1-520.1	C	CEM
NOx	BAAQMD 9-10-301	Y	7/1/02	Refinery-wide emissions (excluding CO Boilers): 0.033 lb NOx/ MMBTU	BAAQMD 9-10-502	See Flowsheet to determine Monitoring Requirements	See Flowsheet to determine Monitoring Requirements
NOx	BAAQMD 9-10-302	Y		Interim emissions: 50% of affected units: 0.033 lb NOx/MMBTU	BAAQMD 9-10-502	See Flowsheet to determine Monitoring Requirements	See Flowsheet to determine Monitoring Requirements
NOx	BAAQMD 9-10-303	Y		Federal interim emissions: Refinery-wide emissions (excluding CO Boilers): 0.20 lb NOx/MMBTU	BAAQMD 9-10-502	See Flowsheet to determine Monitoring Requirements	See Flowsheet to determine Monitoring Requirements
O2		Y	7/1/02	CEM for NOx, O2, or CO2 only if >250 MMBTU/hr	BAAQMD 1-520.1	C	CEM
O2		Y	7/1/02	No limit	BAAQMD 9-10-502	See Flowsheet to determine Monitoring Requirements	See Flowsheet to determine Monitoring Requirements

VII. Applicable Limits and Compliance Monitoring Requirements

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
O2	BAAQMD 9-10-306.1	Y		Small Unit Exemption: Outlet O_2 > 3 vol%	BAAQMD 9-10-502	See Flowsheet to determine Monitoring Requirements	See Flowsheet to determine Monitoring Requirements
O2		Y		No limit	40 CFR 60.45(a)	C	CEM
CO	BAAQMD 9-10-305	Y		400 ppmv (dry, 3% O_2)	BAAQMD 9-10-502	See Flowsheet to determine Monitoring Requirements	See Flowsheet to determine Monitoring Requirements
Opacity	BAAQMD 6-302	Y		> 20% Opacity for no more than 3 minutes/hour	BAAQMD 1-520.1[only if >250 MMBTU/hr and burns liquid or solid fuel]	C	COM
	BAAQMD 6-304	Y		During tube cleaning, Ringelmann No. 2 for 3 min/hr and 6 min/billion btu/24 hours	None	N	COM
FP	BAAQMD 6-310	Y		0.15 grain/dscf		N	
	BAAQMD 6-310.3	Y		0.15 grain/dscf @ 6% O2		N	
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
SO2	BAAQMD 9-1-304	Y		Sulfur content of liquid fuel <0.5% by weight [Delete if gaseous fuel only]	INSERT condition	P/Q	sulfur content of fuel

VII. Applicable Limits and Compliance Monitoring Requirements

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Fuel Flow		Y		No limit	BAAQMD 9-10-502.2	C	Fuel Flowmeter [If subject to 301, 304, and 305]

Table VII - A
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 9-10-301	Y	7/1/02	Refinery-wide emissions (excluding CO Boilers): 0.033 lb NOx/ MMBTU	BAAQMD 9-10-502	See Flowsheet to determine Monitoring Require-ments	See Flowsheet to determine Monitoring Requirements
NOx	BAAQMD 9-10-302	Y		Interim emissions: 50% of affected units: 0.033 lb NOx/MMBTU	BAAQMD 9-10-502	See Flowsheet to determine Monitoring Require-ments	See Flowsheet to determine Monitoring Requirements
NOx	BAAQMD 9-10-303	Y		Federal interim emissions: Refinery-wide emissions (excluding CO Boilers): 0.20 lb NOx/MMBTU	BAAQMD 9-10-502	See Flowsheet to determine Monitoring Require-ments	See Flowsheet to determine Monitoring Requirements

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - A
Applicable Limits and Compliance Monitoring Requirements
S903-COKER NO. 5 BOILERHOUSE, CAPACITY: 740 MMBTU/HR, REFINERY FUEL GAS, COKE, FUEL OIL

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
NOx	BAAQMD 9-10-303.1	Y		Federal interim emissions: CO Boiler emissions: 300 ppm (dry, 3% O_2)	BAAQMD 9-10-502	See Flowsheet to determine Monitoring Require-ments	See Flowsheet to determine Monitoring Requirements
NOx	BAAQMD 9-10-304	Y	7/1/02	CO Boiler emissions: 150 ppm (dry, 3% O_2) or >50% abatement	BAAQMD 9-10-502	See Flowsheet to determine Monitoring Requirements	See Flowsheet to determine Monitoring Requirements
NOx	40 CFR 60 Subpart D 60.44(a)(2)-(3)	Y		0.20 lb/MMBTU for gaseous fuel; 0.30 lb/MMBTU for liquid fuel	40 CFR 60.45(a)	C	CEM
O2		Y	7/1/02	CEM for NOx, O2, or CO2 only if >250 MMBTU/hr	BAAQMD 1-520.1	C	CEM
O2		Y	7/1/02	No limit	BAAQMD 9-10-502	See Flowsheet to determine Monitoring Requirements	See Flowsheet to determine Monitoring Requirements
CO	BAAQMD 9-10-305	Y		400 ppmv (dry, 3% O_2)	BAAQMD 9-10-502	See Flowsheet to determine Monitoring Requirements	See Flowsheet to determine Monitoring Requirements

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - A
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
CO2		Y		CEM for NOx, O2, or CO2 only if >250 MMBTU/hr	BAAQMD 1-520.1	C	CEM
Opacity	BAAQMD 6-301	Y		Ringelmann No. 1 for no more than 3 minutes/hour	none	N	N/A
	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	N or C	None or COM
FP	BAAQMD 6-310	Y		0.15 grain/dscf	none	N	N/A
	BAAQMD 6-310.3	Y		0.15 grain/dscf @ 6% O2	none	N	N/A
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		No limit	BAAQMD 9-10-502.2	C	Fuel Flowmeter [If subject to 301, 304, and 305]

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A
Applicable Limits and Compliance Monitoring Requirements
S917-NO. 17 FURNACE; NO. 1 HDS UNIT PREFRACTIONATOR REBOILER, 18 MMBTU/HR, REFINERY FUEL GAS
S919-NO. 19 FURNACE; NO. 2 HDS UNIT DEPENTANIZER REBOILER, 111 MMBTU/HR, REFINERY FUEL GAS, NATURAL GAS
S937-NO. 37 FURNACE; NO. 1 HYDROGEN PLANT, 743 MMBTU/HR
S951-NO. 51 FURNACE; NO. 2 REFORMER AUXILIARY REHEAT, 30 MMBTU/HR
S971–NO. 53 FURNACE; NO. 3 REFORMER UOP FURNACE, 300 MMBTU/HR, REFINERY FUEL GAS, NATURAL GAS
S972–NO. 54 FURNACE; NO. 3 REFORMER DEBUTANIZER REBOILER, 45 MMBTU/HR, REFINERY FUEL GAS, NATURAL GAS
S973–NO. 56 FURNACE; NO. 3HDS RECYCLE GAS HEATER, 55 MMBTU/HR, REFINERY FUEL GAS, NATURAL GAS
S974–NO. 55 FURNACE; NO. 3 HDS FRACTIONATOR FEED HEATER, 110 MMBTU/HR, REFINERY FUEL GAS, NATURAL GAS
S991–NO. 57 FURNACE; FCCU PREHEAT FURNACE, 43 MMBTU/HR, REFINERY FUEL GAS, NATURAL GAS
S1470-NO. 71 FURNACE; NO. 3 CRUDE VACUUM DISTILLATION HEATER, 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		Y		CEM for NOx, O2, or CO2 only if >250 MMBTU/hr	BAAQMD 1-520.1	C	CEM
NOx	BAAQMD 9-10-301	Y	7/1/02	Refinery -wide emissions (excluding CO Boilers): 0.033 lb NOx/ MMBTU	BAAQMD 9-10-502	See Flowsheet to determine Monitoring Requirements	See Flowsheet to determine Monitoring Requirements
NOx	BAAQMD 9-10-302	Y		Interim emissions: 50% of affected units: 0.033 lb NOx/MMBTU	BAAQMD 9-10-502	See Flowsheet to determine Monitoring Requirements	See Flowsheet to determine Monitoring Requirements

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A
Applicable Limits and Compliance Monitoring Requirements
S917-NO. 17 FURNACE; NO. 1 HDS UNIT PREFRACTIONATOR REBOILER, 18 MMBTU/HR, REFINERY FUEL GAS
S919-NO. 19 FURNACE; NO. 2 HDS UNIT DEPENTANIZER REBOILER, 111 MMBTU/HR, REFINERY FUEL GAS, NATURAL GAS
S937-NO. 37 FURNACE; NO. 1 HYDROGEN PLANT, 743 MMBTU/HR
S951-NO. 51 FURNACE; NO. 2 REFORMER AUXILIARY REHEAT, 30 MMBTU/HR
S971–NO. 53 FURNACE; NO. 3 REFORMER UOP FURNACE, 300 MMBTU/HR, REFINERY FUEL GAS, NATURAL GAS
S972–NO. 54 FURNACE; NO. 3 REFORMER DEBUTANIZER REBOILER, 45 MMBTU/HR, REFINERY FUEL GAS, NATURAL GAS
S973–NO. 56 FURNACE; NO. 3HDS RECYCLE GAS HEATER, 55 MMBTU/HR, REFINERY FUEL GAS, NATURAL GAS
S974–NO. 55 FURNACE; NO. 3 HDS FRACTIONATOR FEED HEATER, 110 MMBTU/HR, REFINERY FUEL GAS, NATURAL GAS
S991–NO. 57 FURNACE; FCCU PREHEAT FURNACE, 43 MMBTU/HR, REFINERY FUEL GAS, NATURAL GAS
S1470-NO. 71 FURNACE; NO. 3 CRUDE VACUUM DISTILLATION HEATER, 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 9-10-303	Y		Federal interim emissions: Refinery-wide emissions (excluding CO Boilers): 0.20 lb NOx/MMBTU	BAAQMD 9-10-502	See Flowsheet to determine Monitoring Requirements	See Flowsheet to determine Monitoring Requirements
O2		Y	7/1/02	CEM for NOx, O2, or CO2 only if >250 MMBTU/hr	BAAQMD 1-520.1	C	CEM
O2		Y	7/1/02	No limit	BAAQMD 9-10-502	See Flowsheet to determine Monitoring Requirements	See Flowsheet to determine Monitoring Requirements
O2		Y		No limit	40 CFR 60.45(a)	C	CEM

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A
Applicable Limits and Compliance Monitoring Requirements
S917-NO. 17 FURNACE; NO. 1 HDS UNIT PREFRACTIONATOR REBOILER, 18 MMBTU/HR, REFINERY FUEL GAS
S919-NO. 19 FURNACE; NO. 2 HDS UNIT DEPENTANIZER REBOILER, 111 MMBTU/HR, REFINERY FUEL GAS, NATURAL GAS
S937-NO. 37 FURNACE; NO. 1 HYDROGEN PLANT, 743 MMBTU/HR
S951-NO. 51 FURNACE; NO. 2 REFORMER AUXILIARY REHEAT, 30 MMBTU/HR
S971–NO. 53 FURNACE; NO. 3 REFORMER UOP FURNACE, 300 MMBTU/HR, REFINERY FUEL GAS, NATURAL GAS
S972–NO. 54 FURNACE; NO. 3 REFORMER DEBUTANIZER REBOILER, 45 MMBTU/HR, REFINERY FUEL GAS, NATURAL GAS
S973–NO. 56 FURNACE; NO. 3HDS RECYCLE GAS HEATER, 55 MMBTU/HR, REFINERY FUEL GAS, NATURAL GAS
S974–NO. 55 FURNACE; NO. 3 HDS FRACTIONATOR FEED HEATER, 110 MMBTU/HR, REFINERY FUEL GAS, NATURAL GAS
S991–NO. 57 FURNACE; FCCU PREHEAT FURNACE, 43 MMBTU/HR, REFINERY FUEL GAS, NATURAL GAS
S1470-NO. 71 FURNACE; NO. 3 CRUDE VACUUM DISTILLATION HEATER, 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
CO	BAAQMD 9-10-305	Y		400 ppmv (dry, 3% O_2)	BAAQMD 9-10-502	See Flowsheet to determine Monitoring Requirements	See Flowsheet to determine Monitoring Requirements
	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	N or C	None or COM
FP	BAAQMD 6-310	Y		0.15 grain/dscf	none	N	N/A
	BAAQMD 6-310.3	Y		0.15 grain/dscf @ 6% O2	none	N	N/A

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A
Applicable Limits and Compliance Monitoring Requirements
S917-NO. 17 FURNACE; NO. 1 HDS UNIT PREFRACTIONATOR REBOILER, 18 MMBTU/HR, REFINERY FUEL GAS
S919-NO. 19 FURNACE; NO. 2 HDS UNIT DEPENTANIZER REBOILER, 111 MMBTU/HR, REFINERY FUEL GAS, NATURAL GAS
S937-NO. 37 FURNACE; NO. 1 HYDROGEN PLANT, 743 MMBTU/HR
S951-NO. 51 FURNACE; NO. 2 REFORMER AUXILIARY REHEAT, 30 MMBTU/HR
S971–NO. 53 FURNACE; NO. 3 REFORMER UOP FURNACE, 300 MMBTU/HR, REFINERY FUEL GAS, NATURAL GAS
S972–NO. 54 FURNACE; NO. 3 REFORMER DEBUTANIZER REBOILER, 45 MMBTU/HR, REFINERY FUEL GAS, NATURAL GAS
S973–NO. 56 FURNACE; NO. 3HDS RECYCLE GAS HEATER, 55 MMBTU/HR, REFINERY FUEL GAS, NATURAL GAS
S974–NO. 55 FURNACE; NO. 3 HDS FRACTIONATOR FEED HEATER, 110 MMBTU/HR, REFINERY FUEL GAS, NATURAL GAS
S991–NO. 57 FURNACE; FCCU PREHEAT FURNACE, 43 MMBTU/HR, REFINERY FUEL GAS, NATURAL GAS
S1470-NO. 71 FURNACE; NO. 3 CRUDE VACUUM DISTILLATION HEATER, 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
H2S	40 CFR 60 Subpart J 60.104(a)(1)	Y		fuel gas H2S concentration limited to 230 mg/dscm (0.10 gr/dscf) except for gas burned as a result of process upset or gas burned at flares from relief valve leaks or other emergency malfunctions	40 CFR 40 CFR 60.105(a)(4)	C	H2S analyzer
Fuel Flow		Y		No limit	BAAQMD 9-10-502.2	C	Fuel Flowmeter [If subject to 301, 304, and 305]

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - A
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
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	N/A
FP	BAAQMD 6-310	Y		0.15 grain/dscf	none	N	N/A
H2S	40 CFR, Subpart J, 60.104(a)(1)	Y		fuel gas H2S concentration limited to 230 mg/dscm (0.10 gr/dscf) except for gas burned as a result of process upset or gas burned at flares from relief valve leaks or other emergency malfunctions	40 CFR 60.105(a)(4)	C	H2S analyzer

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - A
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
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
H2S	BAAQMD 9-2-301	N		GLC[3] of 0.06 ppm for 3 min. or 0.03 ppm for 60 min.	BAAQMD 9-2-501	C	Ground level monitors
Hours of Operation	BAAQMD 9-8-111.1	Y		100 hours/consecutive 12-month period	BAAQMD Regulation 9-8-502	P	records

Table VII - A
Applicable Limits and Compliance Monitoring Requirements
S1101–SUBSURFACE AERATOR SYSTEM AT TRACT 3 WEST CANAL
S1102–SUBSURFACE AERATOR SYSTEM AT TRACT 3 NORTH POND
S1103–SUBSURFACE AERATOR SYSTEM AT CANAL FOREBAY
S1104–SUBSURFACE AERATOR SYSTEM AT OILY CANAL

VII. Applicable Limits and Compliance Monitoring Requirements

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	8-8-112			Exemption, Wastewater Critical OC Concentration and/or Temperature: exemption from 8-8-301, 302, 306, 307, and 308 for wastewater separators that process wastewater comprised of less than 1.0 ppmv critical OC, dissolved in the water samples provided 8-8-502 are met	8-8-502	P/initially and semiannually thereafter.	Wastewater critical OC concentration and/or temperature sample and testing with records.
	BAAQMD 8-8-114			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/E	records of amount of bypassed wastewater, duration, date, causes for bypasses, and dissolved critical OC conc. (volume)
	8-8-306			cover standards for oil-water separator effluent channels, ponds, trenches, basins	8-8-503	P/initially and then at various intervals thereafter	Records of inspections and repairs
	8-8-307			cover standards for air flotation units	8-8-503	P/initially and then at various intervals thereafter	Records of inspections and repairs

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - A
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/H2S	BAAQMD 9-1-313.2 and SIP 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	none	N	N/A

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - A
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 9-2-301	N		ground level H2S concentrations (0.06 ppm for 3 min; 0.03 ppm for 60 minutes)	9-2-601	P	H2S analyzer
Opacity	BAAQMD 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
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
SO3, H2SO4	BAAQMD 6-330	Y		0.08 grain/dscf exhaust concentration of SO3 and H2SO4, expressed as 100% H2SO4	none	N	N/A

Table VII – A
Applicable Limits and Compliance Monitoring Requirements

S1404-SULFUR STORAGE TANK
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	none	N	N/A
PM	BAAQMD 6-305	Y		prohibition of nuisance fallout	none	N	N/A

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A
Applicable Limits and Compliance Monitoring Requirements

S1404-SULFUR STORAGE TANK
S1405-SULFUR COLLECTION PIT

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
FP	BAAQMD 6-310	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

Table VII-A
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	N		gaseous emissions from any source at an H2SO4 plant shall not exceed 300 ppm @ 12% oxygen	BAAQMD Regulation 9-1-502	C	CEM
Acid mist	BAAQMD Regulation 12-6-301	N		gaseous emissions from an H2SO4 production unit shall not exceed 0.15 g/kg (0.3 lb/ton) of acid produced	none	N	N/A
SO3 and H2SO4	BAAQMD 6-320	Y		0.04 grain/dscf	none	N	N/A

VII. Applicable Limits and Compliance Monitoring Requirements

Opacity	BAAQMD 6-301	Y		Ringelmann No. 1	none	N	N/A
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	none	N	N/A

Table VII - A
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
O2		Y		No limit	40 CFR 60.45(a)	C	CEM
CO	BAAQMD 9-10-305	Y		400 ppmv (dry, 3% O_2)	BAAQMD 9-10-502	See Flowsheet to determine Monitoring Requirements	See Flowsheet to determine Monitoring Requirements
Operating Hours	BAAQMD 9-10-306.2	Y		Small Unit Exemption: Tune every 12 months		P/A	Tune-up per 9-10-605

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A
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/H2S	BAAQMD 9-1-313.1	Y		sulfur content of crude oil shall not exceed 0.10% by weight, OR	none	N	N/A
SO2/H2S	BAAQMD 9-1-313.2 and SIP 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	none	N	N/A

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A
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 9-2-301	N		ground level H2S concentrations (0.06 ppm for 3 min; 0.03 ppm for 60 minutes)	9-2-601	P	H2S analyzer
Opacity	BAAQMD 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
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
SO3, H2SO4	BAAQMD 6-330	Y		0.08 grain/dscf exhaust concentration of SO3 and H2SO4, expressed as 100% H2SO4	None	N	N/A

Table VII-A
S1413-#1 OLEUM STORAGE TANK
S-1414-#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	
	SIP 6-301	Y		Ringelmann No. 1		N	
H2SO4 and SO3	12-10-401	N		Combined H2SO4 and SO3 > 0.01 grams/m^3 or 2 ppm as H2SO4, over any 10 min		N	

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII-A
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		P/every 5 years	BAAQMD source test method or EPA Method 25 or 25A

Table VII - A
Applicable Limits and Compliance Monitoring Requirements
S1421–AMMONIA RECOVERY UNIT FEED TANK

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Fugitive VOC	MACT 40 CFR 63	Y		No detectable organic emissions.	MACT 40 CFR 63.1046 (a): Method 21 of 40 CFR part 60, appendix A	P	visual inspection, records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - A
Applicable Limits and Compliance Monitoring Requirements
S1421–AMMONIA RECOVERY UNIT FEED TANK

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
	MACT 40 CFR 63	Y		Floating Roof Gap Limits	MACT 40 CFR 63.1046 (b)	P	gap measurements, records

Table VII – 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**						
NSPS Kb	**Volatile Organic Liquid Storage Vessels MONITORING FOR RECORDKEEPING ONLY**						
VOC	60.116b (c)			True vapor pressure determination	60.116b (e)	periodic initially and upon change of service	calculate

Table VII – 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

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – 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**						
NSPS Kb	**Volatile Organic Liquid Storage Vessels MONITORING FOR RECORDKEEPING ONLY**						
VOC	60.116b (c)			True vapor pressure determination	60.116b (e)	periodic initially and upon change of service	calculate

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – 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**						
NSPS Kb	**Volatile Organic Liquid Storage Vessels MONITORING FOR RECORDKEEPING ONLY**						
VOC	60.116b (c)			True vapor pressure determination	60.116b (e)	periodic initially and upon change of service	calculate

Table VII – 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**						
NSPS Kb	**Volatile Organic Liquid Storage Vessels MONITORING FOR RECORDKEEPING ONLY**						
VOC	60.116b (c)			True vapor pressure determination	60.116b (e)	periodic initially and upon change of service	calculate
NESHAP 40CFR61 Subpart FF	**NESHAP 40CFR61 Subpart FF**						

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – Cluster 01b
Applicable Limits and Compliance Monitoring Requirements
TANKS SUBJECT ONLY TO RECORDKEEPING
S1 – Tank A-001

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						
Refinery MACT	NESHAP for Petroleum Refineries MONITORING FOR RECORDKEEPING ONLY There are no 61 Subpart FF monitoring requirements for storage tanks that are exempt from controls.						

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – 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						
Refinery MACT	NESHAP for Petroleum Refineries MONITORING FOR RECORDKEEPING ONLY There are no 61 Subpart FF monitoring requirements for storage tanks that are exempt from controls.						

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – 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						
Refinery MACT	NESHAP for Petroleum Refineries MONITORING FOR RECORDKEEPING ONLY There are no 61 Subpart FF monitoring requirements for storage tanks that are exempt from controls.						

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – 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, S548 – Tank A-548, 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						
Refinery MACT	NESHAP for Petroleum Refineries MONITORING FOR RECORDKEEPING ONLY There are no 61 Subpart FF monitoring requirements for storage tanks that are exempt from controls.						

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – 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						
Refinery MACT	NESHAP for Petroleum Refineries MONITORING FOR RECORDKEEPING ONLY There are no 61 Subpart FF monitoring requirements for storage tanks that are exempt from controls.						

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – 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						
Refinery MACT	NESHAP for Petroleum Refineries MONITORING FOR RECORDKEEPING ONLY There are no 61 Subpart FF monitoring requirements for storage tanks that are exempt from controls.						
BAAQMD Condition	BAAQMD Condition #8548						

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – 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, S60 – Tank A-060, S61 – Tank A-061, S62 – Tank A-062, S63 – Tank A-063, S64 – Tank A-064, S65 – Tank A-065, S66 – Tank A-066, S67 – Tank A-067, S68 – Tank A-068, S69 – Tank A-069, S76 – Tank A-076, S77 – Tank A-077, S78 – Tank A-078, S79 – Tank A-079, S80 – Tank A-080, S81 – Tank A-081, S131 – Tank A-131, S139 – Tank A-139, S152 – Tank A-152, S153 – Tank A-153, S210 – Tank A-210, S211 – Tank A-211, S212 – Tank A-212, S213 – Tank A-213, S281 – Tank A-281, S282 – Tank A-282, S283 – Tank A-283, S284 – Tank A-284, S285 – Tank A-285, S286 – Tank A-286, S287 – Tank A-287, S288 – Tank A-288, S289 – Tank A-289, S290 – Tank A-290, S291 – Tank A-291, S292 – Tank A-292, S293 – Tank A-293, S295 – Tank A-295, S296 – Tank A-296, S345 – Tank A-345, S435 – Tank A-4S448 – Tank A-448, S452 – Tank A-452, S456 – Tank A-456, S462 – Tank A-462, S463 – Tank A-463, S464 – Tank A-464, S465 – Tank A-465, S493 – Tank A-493, S504 – Tank A-504, S527 – Tank A-527, S531 – Tank A-531, 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						
Refinery MACT	NESHAP for Petroleum Refineries MONITORING FOR RECORDKEEPING ONLY There are no 61 Subpart FF monitoring requirements for storage tanks that are exempt from controls.						

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – 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
BAAQMD 8-5	**Organic Compounds - STORAGE OF ORGANIC LIQUIDS MONITORING FOR TANKS SUBJECT TO SUBMERGED FILL**						
VOC	501			True vapor pressure determination	601, 602, 604	periodic initially and upon change of service	look up table or sample analysis
U. S. EPA	**Exempt**						

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – 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	311.3			Control device standards; includes 95% efficiency requirement	603.1	not specified	ST-4
VOC	328.2			Tank cleaning control device standards; includes 90% efficiency requirement	603.2	not specified	ST-7
VOC	501			True vapor pressure determination	601, 602, 604	periodic initially and upon change of service	look up table or sample analysis
U. S. EPA	**Exempt**						

Table VII – 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	320			Deck fitting closure standards; includes gasketed covers	320	periodic initially & at 1 or 10 yr intervals, depending upon rim seal age	visual inspection

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – 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	321			Primary rim-seal standards; includes gap criteria	321	periodic initially & at 5 or 10 yr intervals, depending upon rim seal age	measurement and visual inspection
VOC	322			Secondary rim-seal standards; includes gap criteria	322	periodic initially & at 1 or 10 yr intervals, depending upon rim seal age	measurement and visual inspection
VOC	328.2			Tank cleaning control device standards; includes 90% efficiency requirement	603.2	not specified	ST-7
VOC	501			True vapor pressure determination	601, 602, 604	periodic initially and upon change of service	look up table or sample analysis
Refinery MACT	**NESHAP for Petroleum Refineries MONITORING FOR RECORDKEEPING ONLY There are no 61 Subpart FF monitoring requirements for storage tanks that are exempt from controls.**						

Table VII – 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**						

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – 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	320			Deck fitting closure standards; includes gasketed covers	320	periodic initially & at 1 or 10 yr intervals, depending upon rim seal age	visual inspection
VOC	321			Primary rim-seal standards; includes gap criteria	321	periodic initially & at 5 or 10 yr intervals, depending upon rim seal age	measurement and visual inspection
VOC	322			Secondary rim-seal standards; includes gap criteria	322	periodic initially & at 1 or 10 yr intervals, depending upon rim seal age	measurement and visual inspection
VOC	328.2			Tank cleaning control device standards; includes 90% efficiency requirement	603.2	not specified	ST-7
VOC	501			True vapor pressure determination	601, 602, 604	periodic initially and upon change of service	look up table or sample analysis
Refinery MACT	**NESHAP for Petroleum Refineries MONITORING FOR RECORDKEEPING ONLY There are no 61 Subpart FF monitoring requirements for storage tanks that are exempt from controls.**						

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – Cluster 12 – Out-Of-Service
Applicable Limits and Compliance Monitoring Requirements
INTERNAL FLOATING-ROOF TANKS
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	320			Deck fitting closure standards; includes gasketed covers	320	periodic initially & at 1 or 10 yr intervals, depending upon rim seal age	visual inspection
VOC	321			Primary rim-seal standards; includes gap criteria	321	periodic initially & at 5 or 10 yr intervals, depending upon rim seal age	measurement and visual inspection
VOC	322			Secondary rim-seal standards; includes gap criteria	322	periodic initially & at 1 or 10 yr intervals, depending upon rim seal age	measurement and visual inspection
VOC	328.2			Tank cleaning control device standards; includes 90% efficiency requirement	603.2	not specified	ST-7
VOC	501			True vapor pressure determination	601, 602, 604	periodic initially and upon change of service	look up table or sample analysis
Refinery MACT	**NESHAP for Petroleum Refineries MONITORING FOR RECORDKEEPING ONLY There are no 61 Subpart FF monitoring requirements for storage tanks that are exempt from controls.**						

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – 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	311.3			Control device standards; includes 95% efficiency requirement	603.1	not specified	ST-4
VOC	328.2			Tank cleaning control device standards; includes 90% efficiency requirement	603.2	not specified	ST-7
VOC	501			True vapor pressure determination	601, 602, 604	periodic initially and upon change of service	look up table or sample analysis
Refinery MACT	**NESHAP for Petroleum Refineries MONITORING FOR RECORDKEEPING ONLY There are no 61 Subpart FF monitoring requirements for storage tanks that are exempt from controls.**						

Table VII – Cluster 20
Applicable Limits and Compliance Monitoring Requirements
EXTERNAL FLOATING-ROOF TANKS
S707 – Tank A-707

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
BAAQMD 8-5	**Organic Compounds - STORAGE OF ORGANIC LIQUIDS LIMITS AND MONITORING FOR FLOATING-ROOF TANKS**						

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – 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	320			Deck fitting closure standards; includes gasketed covers	320	periodic initially & at 1 or 10 yr intervals, depending upon rim seal age	visual inspection
VOC	321			Primary rim-seal standards; includes gap criteria	321	periodic initially & at 5 or 10 yr intervals, depending upon rim seal age	measurement and visual inspection
VOC	322			Secondary rim-seal standards; includes gap criteria	322	periodic initially & at 1 or 10 yr intervals, depending upon rim seal age	measurement and visual inspection
VOC	328.2			Tank cleaning control device standards; includes 90% efficiency requirement	603.2	not specified	ST-7
VOC	501			True vapor pressure determination	601, 602, 604	periodic initially and upon change of service	look up table or sample analysis
NSPS Ka	**Petroleum Liquids Storage Vessels LIMITS AND MONITORING FOR EFRTs**						
VOC	60.112a (a)(1)(iii) & (iv)			Deck fitting closure standards		none specified	
VOC	60.112a (a)(1)(i)			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)			Secondary rim-seal standards; includes gap criteria	60.113a (a)(1)	periodic initially & annually	measurement and visual inspection

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – 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	60.115a (a)			True vapor pressure determination	60.115a (b) & (c)	periodic initially and upon change of service	calculate

Table VII – 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	320			Deck fitting closure standards; includes gasketed covers	320	periodic initially & at 1 or 10 yr intervals , depending upon rim seal age	visual inspection
VOC	321			Primary rim-seal standards; includes gap criteria	321	periodic initially & at 5 or 10 yr intervals, depending upon rim seal age	measurement and visual inspection
VOC	322			Secondary rim-seal standards; includes gap criteria	322	periodic initially & at 1 or 10 yr intervals, depending upon rim seal age	measurement and visual inspection

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – 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	328.2			Tank cleaning control device standards; includes 90% efficiency requirement	603.2	not specified	ST-7
VOC	501			True vapor pressure determination	601, 602, 604	periodic initially and upon change of service	look up table or sample analysis
NSPS Ka	**Petroleum Liquids Storage Vessels LIMITS AND MONITORING FOR EFRTs**						
VOC	60.112a (a)(1)(iii) & (iv)			Deck fitting closure standards		none specified	
VOC	60.112a (a)(1)(i)			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)			Secondary rim-seal standards; includes gap criteria	60.113a (a)(1)	periodic initially & annually	measurement and visual inspection
VOC	60.115a (a)			True vapor pressure determination	60.115a (b) & (c)	periodic initially and upon change of service	calculate

Table VII – Cluster 23
Applicable Limits and Compliance Monitoring Requirements
EXTERNAL FLOATING-ROOF TANKS
S705 – Tank A-705

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
BAAQMD 8-5	**Organic Compounds - STORAGE OF ORGANIC LIQUIDS LIMITS AND MONITORING FOR FLOATING-ROOF TANKS**						

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – Cluster 23
Applicable Limits and Compliance Monitoring Requirements
EXTERNAL FLOATING-ROOF TANKS
S705 – Tank A-705

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	320			Deck fitting closure standards; includes gasketed covers	320	periodic initially & at 1 or 10 yr intervals, depending upon rim seal age	visual inspection
VOC	321			Primary rim-seal standards; includes gap criteria	321	periodic initially & at 5 or 10 yr intervals, depending upon rim seal age	measurement and visual inspection
VOC	322			Secondary rim-seal standards; includes gap criteria	322	periodic initially & at 1 or 10 yr intervals, depending upon rim seal age	measurement and visual inspection
VOC	328.2			Tank cleaning control device standards; includes 90% efficiency requirement	603.2	not specified	ST-7
VOC	501			True vapor pressure determination	601, 602, 604	periodic initially and upon change of service	look up table or sample analysis
NSPS Kb	**Volatile Organic Liquid Storage Vessels LIMITS AND MONITORING FOR EFRTs**						
VOC	60.112b (a)(2)(ii)			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)			Primary rim-seal standards; includes gap criteria	60.113b (b)(1)-(b)(3)	periodic initially & at 5 yr intervals	measurement and visual inspection

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – Cluster 23
Applicable Limits and Compliance Monitoring Requirements
EXTERNAL FLOATING-ROOF TANKS
S705 – Tank A-705

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 (b)(4)(ii)			Secondary rim-seal standards; includes gap criteria	60.113b (b)(1)-(b)(3)	periodic initially & annually	measurement and visual inspection
VOC	60.116b (c)			True vapor pressure determination	60.116b (e)	periodic initially and upon change of service	calculate
BAAQMD Condition	**BAAQMD Condition #5000**						

Table VII – Cluster 23
Applicable Limits and Compliance Monitoring Requirements
EXTERNAL FLOATING-ROOF TANKS
S33 – Tank A-033, S638 – Tank A-638, S692 – Tank A-692, S708 – Tank A-708

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	320			Deck fitting closure standards; includes gasketed covers	320	periodic initially & at 1 or 10 yr intervals, depending upon rim seal age	visual inspection
VOC	321			Primary rim-seal standards; includes gap criteria	321	periodic initially & at 5 or 10 yr intervals, depending upon rim seal age	measurement and visual inspection

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – Cluster 23
Applicable Limits and Compliance Monitoring Requirements
EXTERNAL FLOATING-ROOF TANKS
S33 – Tank A-033, S638 – Tank A-638, S692 – Tank A-692, S708 – Tank A-708

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	322			Secondary rim-seal standards; includes gap criteria	322	periodic initially & at 1 or 10 yr intervals, depending upon rim seal age	measurement and visual inspection
VOC	328.2			Tank cleaning control device standards; includes 90% efficiency requirement	603.2	not specified	ST-7
VOC	501			True vapor pressure determination	601, 602, 604	periodic initially and upon change of service	look up table or sample analysis
NSPS Kb	**Volatile Organic Liquid Storage Vessels LIMITS AND MONITORING FOR EFRTs**						
VOC	60.112b (a)(2)(ii)			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)			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)			Secondary rim-seal standards; includes gap criteria	60.113b (b)(1)-(b)(3)	periodic initially & annually	measurement and visual inspection
VOC	60.116b (c)			True vapor pressure determination	60.116b (e)	periodic initially and upon change of service	calculate
BAAQMD Condition	**BAAQMD Condition #8636**						

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – Cluster 23
Applicable Limits and Compliance Monitoring Requirements
EXTERNAL FLOATING-ROOF TANKS
S21 (12759) – Tank B-021, 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	320			Deck fitting closure standards; includes gasketed covers	320	periodic initially & at 1 or 10 yr intervals, depending upon rim seal age	visual inspection
VOC	321			Primary rim-seal standards; includes gap criteria	321	periodic initially & at 5 or 10 yr intervals, depending upon rim seal age	measurement and visual inspection
VOC	322			Secondary rim-seal standards; includes gap criteria	322	periodic initially & at 1 or 10 yr intervals, depending upon rim seal age	measurement and visual inspection
VOC	328.2			Tank cleaning control device standards; includes 90% efficiency requirement	603.2	not specified	ST-7
VOC	501			True vapor pressure determination	601, 602, 604	periodic initially and upon change of service	look up table or sample analysis
NSPS Kb	**Volatile Organic Liquid Storage Vessels LIMITS AND MONITORING FOR EFRTs**						
VOC	60.112b (a)(2)(ii)			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)			Primary rim-seal standards; includes gap criteria	60.113b (b)(1)-(b)(3)	periodic initially & at 5 yr intervals	measurement and visual inspection

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – Cluster 23
Applicable Limits and Compliance Monitoring Requirements
EXTERNAL FLOATING-ROOF TANKS
S21 (12759) – Tank B-021, 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	60.113b (b)(4)(ii)			Secondary rim-seal standards; includes gap criteria	60.113b (b)(1)-(b)(3)	periodic initially & annually	measurement and visual inspection
VOC	60.116b (c)			True vapor pressure determination	60.116b (e)	periodic initially and upon change of service	calculate

Table VII – Cluster 23
Applicable Limits and Compliance Monitoring Requirements
EXTERNAL FLOATING-ROOF TANKS
S639 – Tank A-639, S664 – Tank A-664

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	320			Deck fitting closure standards; includes gasketed covers	320	periodic initially & at 1 or 10 yr intervals, depending upon rim seal age	visual inspection
VOC	321			Primary rim-seal standards; includes gap criteria	321	periodic initially & at 5 or 10 yr intervals, depending upon rim seal age	measurement and visual inspection

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – Cluster 23
Applicable Limits and Compliance Monitoring Requirements
EXTERNAL FLOATING-ROOF TANKS
S639 – Tank A-639, S664 – Tank A-664

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	322			Secondary rim-seal standards; includes gap criteria	322	periodic initially & at 1 or 10 yr intervals, depending upon rim seal age	measurement and visual inspection
VOC	328.2			Tank cleaning control device standards; includes 90% efficiency requirement	603.2	not specified	ST-7
VOC	501			True vapor pressure determination	601, 602, 604	periodic initially and upon change of service	look up table or sample analysis
NSPS Kb	**Volatile Organic Liquid Storage Vessels LIMITS AND MONITORING FOR EFRTs**						
VOC	60.112b (a)(2)(ii)			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)			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)			Secondary rim-seal standards; includes gap criteria	60.113b (b)(1)-(b)(3)	periodic initially & annually	measurement and visual inspection
VOC	60.116b (c)			True vapor pressure determination	60.116b (e)	periodic initially and upon change of service	calculate

Table VII – 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

VII. Applicable Limits and Compliance Monitoring Requirements

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
BAAQMD 8-5	**Organic Compounds - STORAGE OF ORGANIC LIQUIDS LIMITS AND MONITORING FOR FLOATING-ROOF TANKS**						
VOC	320			Deck fitting closure standards; includes gasketed covers	320	periodic initially & at 1 or 10 yr intervals, depending upon rim seal age	visual inspection
VOC	321			Primary rim-seal standards; includes gap criteria	321	periodic initially & at 5 or 10 yr intervals, depending upon rim seal age	measurement and visual inspection
VOC	322			Secondary rim-seal standards; includes gap criteria	322	periodic initially & at 1 or 10 yr intervals, depending upon rim seal age	measurement and visual inspection
VOC	328.2			Tank cleaning control device standards; includes 90% efficiency requirement	603.2	not specified	ST-7
VOC	501			True vapor pressure determination	601, 602, 604	periodic initially and upon change of service	look up table or sample analysis
NSPS Kb	**Volatile Organic Liquid Storage Vessels LIMITS AND MONITORING FOR EFRTs**						
VOC	60.112b (a)(2)(ii)			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)			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)			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 – 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	60.116b (c)			True vapor pressure determination	60.116b (e)	periodic initially and upon change of service	calculate

Table VII – Cluster 23
Applicable Limits and Compliance Monitoring Requirements
EXTERNAL FLOATING-ROOF TANKS
S490 – Tank A-490, S631 – Tank A-631, S690 – Tank A-690,
S19 (12759) – Tank B-019, S30 (12759) – Tank B-030, S49 (12759) – Tank B-049

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	320			Deck fitting closure standards; includes gasketed covers	320	periodic initially & at 1 or 10 yr intervals, depending upon rim seal age	visual inspection
VOC	321			Primary rim-seal standards; includes gap criteria	321	periodic initially & at 5 or 10 yr intervals, depending upon rim seal age	measurement and visual inspection

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – Cluster 23
Applicable Limits and Compliance Monitoring Requirements
EXTERNAL FLOATING-ROOF TANKS
S490 – Tank A-490, S631 – Tank A-631, S690 – Tank A-690, S19 (12759) – Tank B-019, S30 (12759) – Tank B-030, S49 (12759) – Tank B-049

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	322			Secondary rim-seal standards; includes gap criteria	322	periodic initially & at 1 or 10 yr intervals, depending upon rim seal age	measurement and visual inspection
VOC	328.2			Tank cleaning control device standards; includes 90% efficiency requirement	603.2	not specified	ST-7
VOC	501			True vapor pressure determination	601, 602, 604	periodic initially and upon change of service	look up table or sample analysis
NSPS Kb	**Volatile Organic Liquid Storage Vessels LIMITS AND MONITORING FOR EFRTs**						
VOC	60.112b (a)(2)(ii)			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)			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)			Secondary rim-seal standards; includes gap criteria	60.113b (b)(1)-(b)(3)	periodic initially & annually	measurement and visual inspection
VOC	60.116b (c)			True vapor pressure determination	60.116b (e)	periodic initially and upon change of service	calculate

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – 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	320			Deck fitting closure standards; includes gasketed covers	320	periodic initially & at 1 or 10 yr intervals, depending upon rim seal age	visual inspection
VOC	321			Primary rim-seal standards; includes gap criteria	321	periodic initially & at 5 or 10 yr intervals, depending upon rim seal age	measurement and visual inspection
VOC	322			Secondary rim-seal standards; includes gap criteria	322	periodic initially & at 1 or 10 yr intervals, depending upon rim seal age	measurement and visual inspection
VOC	328.2			Tank cleaning control device standards; includes 90% efficiency requirement	603.2	not specified	ST-7
VOC	501			True vapor pressure determination	601, 602, 604	periodic initially and upon change of service	look up table or sample analysis
NSPS Kb	**Volatile Organic Liquid Storage Vessels LIMITS AND MONITORING FOR EFRTs**						
VOC	60.112b (a)(2)(ii)			Deck fitting closure standards; includes gasketed covers	60.113b (b)(6)	periodic initially & each time emptied & degassed	visual inspection

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – 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	60.113b (b)(4)(i)			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)			Secondary rim-seal standards; includes gap criteria	60.113b (b)(1)-(b)(3)	periodic initially & annually	measurement and visual inspection
VOC	60.116b (c)			True vapor pressure determination	60.116b (e)	periodic initially and upon change of service	calculate
NESHAP 40CFR61 Subpart FF	**NESHAP 40CFR61 Subpart FF**						

Table VII – Cluster 24
Applicable Limits and Compliance Monitoring Requirements
INTERNAL FLOATING-ROOF TANKS
S279 – Tank A-279

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	320			Deck fitting closure standards; includes gasketed covers	320	periodic initially & at 1 or 10 yr intervals, depending upon rim seal age	visual inspection

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – Cluster 24
Applicable Limits and Compliance Monitoring Requirements
INTERNAL FLOATING-ROOF TANKS
S279 – Tank A-279

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	321			Primary rim-seal standards; includes gap criteria	321	periodic initially & at 5 or 10 yr intervals, depending upon rim seal age	measurement and visual inspection
VOC	322			Secondary rim-seal standards; includes gap criteria	322	periodic initially & at 1 or 10 yr intervals, depending upon rim seal age	measurement and visual inspection
VOC	328.2			Tank cleaning control device standards; includes 90% efficiency requirement	603.2	not specified	ST-7
VOC	501			True vapor pressure determination	601, 602, 604	periodic initially and upon change of service	look up table or sample analysis
NSPS Kb	**Volatile Organic Liquid Storage Vessels LIMITS AND MONITORING FOR IFRTs**						
VOC	60.112b (a)(1)			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)			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 – Cluster 24
Applicable Limits and Compliance Monitoring Requirements
INTERNAL FLOATING-ROOF TANKS
S279 – Tank A-279

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)			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)			No liquid on the floating roof or other obvious defects	60.113b (a)(2)	periodic annually	visual inspection
VOC	60.116b (c)			True vapor pressure determination	60.116b (e)	periodic initially and upon change of service	calculate
BAAQMD Condition	**BAAQMD Condition #5933**						

Table VII – Cluster 24
Applicable Limits and Compliance Monitoring Requirements
INTERNAL FLOATING-ROOF TANKS
S313 – Tank A-313, S315 – Tank A-315

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	320			Deck fitting closure standards; includes gasketed covers	320	periodic initially & at 1 or 10 yr intervals, depending upon rim seal age	visual inspection

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – Cluster 24
Applicable Limits and Compliance Monitoring Requirements
INTERNAL FLOATING-ROOF TANKS
S313 – Tank A-313, S315 – Tank A-315

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	321			Primary rim-seal standards; includes gap criteria	321	periodic initially & at 5 or 10 yr intervals, depending upon rim seal age	measurement and visual inspection
VOC	322			Secondary rim-seal standards; includes gap criteria	322	periodic initially & at 1 or 10 yr intervals, depending upon rim seal age	measurement and visual inspection
VOC	328.2			Tank cleaning control device standards; includes 90% efficiency requirement	603.2	not specified	ST-7
VOC	501			True vapor pressure determination	601, 602, 604	periodic initially and upon change of service	look up table or sample analysis
NSPS Kb	**Volatile Organic Liquid Storage Vessels LIMITS AND MONITORING FOR IFRTs**						
VOC	60.112b (a)(1)			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)			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 – Cluster 24
Applicable Limits and Compliance Monitoring Requirements
INTERNAL FLOATING-ROOF TANKS
S313 – Tank A-313, S315 – Tank A-315

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)			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)			No liquid on the floating roof or other obvious defects	60.113b (a)(2)	periodic annually	visual inspection
VOC	60.116b (c)			True vapor pressure determination	60.116b (e)	periodic initially and upon change of service	calculate
BAAQMD Condition	**BAAQMD Condition #8516**						

Table VII – 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	320			Deck fitting closure standards; includes gasketed covers	320	periodic initially & at 1 or 10 yr intervals, depending upon rim seal age	visual inspection

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – 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	321			Primary rim-seal standards; includes gap criteria	321	periodic initially & at 5 or 10 yr intervals, depending upon rim seal age	measurement and visual inspection
VOC	322			Secondary rim-seal standards; includes gap criteria	322	periodic initially & at 1 or 10 yr intervals, depending upon rim seal age	measurement and visual inspection
VOC	328.2			Tank cleaning control device standards; includes 90% efficiency requirement	603.2	not specified	ST-7
VOC	501			True vapor pressure determination	601, 602, 604	periodic initially and upon change of service	look up table or sample analysis
NSPS Kb	**Volatile Organic Liquid Storage Vessels LIMITS AND MONITORING FOR IFRTs**						
VOC	60.112b (a)(1)			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)			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 – 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)			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)			No liquid on the floating roof or other obvious defects	60.113b (a)(2)	periodic annually	visual inspection
VOC	60.116b (c)			True vapor pressure determination	60.116b (e)	periodic initially and upon change of service	calculate

Table VII – 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	320			Deck fitting closure standards; includes gasketed covers	320	periodic initially & at 1 or 10 yr intervals, depending upon rim seal age	visual inspection

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – 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	321			Primary rim-seal standards; includes gap criteria	321	periodic initially & at 5 or 10 yr intervals, depending upon rim seal age	measurement and visual inspection
VOC	322			Secondary rim-seal standards; includes gap criteria	322	periodic initially & at 1 or 10 yr intervals, depending upon rim seal age	measurement and visual inspection
VOC	328.2			Tank cleaning control device standards; includes 90% efficiency requirement	603.2	not specified	ST-7
VOC	501			True vapor pressure determination	601, 602, 604	periodic initially and upon change of service	look up table or sample analysis
NSPS Kb	**Volatile Organic Liquid Storage Vessels LIMITS AND MONITORING FOR IFRTs**						
VOC	60.112b (a)(1)			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)			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 – 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	60.113b (a)(1) & (4)			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)			No liquid on the floating roof or other obvious defects	60.113b (a)(2)	periodic annually	visual inspection
VOC	60.116b (c)			True vapor pressure determination	60.116b (e)	periodic initially and upon change of service	calculate

Table VII – 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	320			Deck fitting closure standards; includes gasketed covers	320	periodic initially & at 1 or 10 yr intervals, depending upon rim seal age	visual inspection

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – 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	321			Primary rim-seal standards; includes gap criteria	321	periodic initially & at 5 or 10 yr intervals, depending upon rim seal age	measurement and visual inspection
VOC	322			Secondary rim-seal standards; includes gap criteria	322	periodic initially & at 1 or 10 yr intervals, depending upon rim seal age	measurement and visual inspection
VOC	328.2			Tank cleaning control device standards; includes 90% efficiency requirement	603.2	not specified	ST-7
VOC	501			True vapor pressure determination	601, 602, 604	periodic initially and upon change of service	look up table or sample analysis
NSPS Kb	**Volatile Organic Liquid Storage Vessels LIMITS AND MONITORING FOR IFRTs**						
VOC	60.112b (a)(1)			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)			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 – Cluster 24
Applicable Limits and Compliance Monitoring Requirements
INTERNAL FLOATING-ROOF TANKS
S316 – Tank A-316

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	60.113b (a)(1) & (4)			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)			No liquid on the floating roof or other obvious defects	60.113b (a)(2)	periodic annually	visual inspection
VOC	60.116b (c)			True vapor pressure determination	60.116b (e)	periodic initially and upon change of service	calculate

Table VII – 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	320			Deck fitting closure standards; includes gasketed covers	320	periodic initially & at 1 or 10 yr intervals, depending upon rim seal age	visual inspection

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – 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	321			Primary rim-seal standards; includes gap criteria	321	periodic initially & at 5 or 10 yr intervals, depending upon rim seal age	measurement and visual inspection
VOC	322			Secondary rim-seal standards; includes gap criteria	322	periodic initially & at 1 or 10 yr intervals, depending upon rim seal age	measurement and visual inspection
VOC	328.2			Tank cleaning control device standards; includes 90% efficiency requirement	603.2	not specified	ST-7
VOC	501			True vapor pressure determination	601, 602, 604	periodic initially and upon change of service	look up table or sample analysis
NSPS Kb	**Volatile Organic Liquid Storage Vessels LIMITS AND MONITORING FOR IFRTs**						
VOC	60.112b (a)(1)			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)			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 – Cluster 24
Applicable Limits and Compliance Monitoring Requirements
INTERNAL FLOATING-ROOF TANKS
S278 – Tank A-278, S698 – Tank A-698

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	60.113b (a)(1) & (4)			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)			No liquid on the floating roof or other obvious defects	60.113b (a)(2)	periodic annually	visual inspection
VOC	60.116b (c)			True vapor pressure determination	60.116b (e)	periodic initially and upon change of service	calculate

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – 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	320			Deck fitting closure standards; includes gasketed covers	320	periodic initially & at 1 or 10 yr intervals, depending upon rim seal age	visual inspection
VOC	321			Primary rim-seal standards; includes gap criteria	321	periodic initially & at 5 or 10 yr intervals, depending upon rim seal age	measurement and visual inspection
VOC	322			Secondary rim-seal standards; includes gap criteria	322	periodic initially & at 1 or 10 yr intervals, depending upon rim seal age	measure ment and visual inspection
VOC	328.2			Tank cleaning control device standards; includes 90% efficiency requirement	603.2	not specified	ST-7
VOC	501			True vapor pressure determination	601, 602, 604	periodic initially and upon change of service	look up table or sample analysis
NSPS Kb	**Volatile Organic Liquid Storage Vessels LIMITS AND MONITORING FOR IFRTs**						
VOC	60.112b (a)(1)			Deck fitting closure standards; includes gasketed covers	60.113b (a)(4)	periodic initially & each time emptied & degassed, at least every 10 yr	visual inspection

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – Cluster 24
Applicable Limits and Compliance Monitoring Requirements
INTERNAL FLOATING-ROOF TANKS
S601 – Tank A-601

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	60.113b (a)(1) & (4)			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)			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)			No liquid on the floating roof or other obvious defects	60.113b (a)(2)	periodic annually	visual inspection
VOC	60.116b (c)			True vapor pressure determination	60.116b (e)	periodic initially and upon change of service	calculate
NESHAP 40CFR61 Subpart FF	**NESHAP 40CFR61 Subpart FF**						

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – Cluster 25
Applicable Limits and Compliance Monitoring Requirements
CLOSED VENT SYSTEMS & CONTROL DEVICES
S699 – Tank A-699

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	311.3			Control device standards; includes 95% efficiency requirement	603.1	not specified	ST-4
VOC	328.2			Tank cleaning control device standards; includes 90% efficiency requirement	603.2	not specified	ST-7
VOC	501			True vapor pressure determination	601, 602, 604	periodic initially and upon change of service	look up table or sample analysis
NSPS Kb	**Volatile Organic Liquid Storage Vessels LIMITS AND MONITORING FOR CVS & CONTROL DEVICES**						
VOC	60.112b (a)(3)(i)			Closed vent system leak tightness standards (< 500 ppmw)	60.112b (a)(3)(i)	not specified	Method 21
VOC	60.112b (a)(3)(ii)			Control device standards; includes 95% efficiency requirement, or a flare p er 60.18	60.113b (c)(2) & (d)	as approved	specified parameter

Table VII – 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**						

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – 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
VOC	311.3			Control device standards; includes 95% efficiency requirement	603.1	not specified	ST-4
VOC	328.2			Tank cleaning control device standards; includes 90% efficiency requirement	603.2	not specified	ST-7
VOC	501			True vapor pressure determination	601, 602, 604	periodic initially and upon change of service	look up table or sample analysis
NSPS Kb	**Volatile Organic Liquid Storage Vessels LIMITS AND MONITORING FOR CVS & CONTROL DEVICES**						
VOC	60.112b (a)(3)(i)			Closed vent system leak tightness standards (< 500 ppmw)	60.112b (a)(3)(i)	not specified	Method 21
VOC	60.112b (a)(3)(ii)			Control device standards; includes 95% efficiency requirement, or a flare per 60.18	60.113b (c)(2) & (d)	as approved	specified parameter

Table VII – 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	311.3			Control device standards; includes 95% efficiency requirement	603.1	not specified	ST-4
VOC	328.2			Tank cleaning control device standards; includes 90% efficiency requirement	603.2	not specified	ST-7

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – 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
VOC	501			True vapor pressure determination	601, 602, 604	periodic initially and upon change of service	look up table or sample analysis
NSPS Kb	**Volatile Organic Liquid Storage Vessels LIMITS AND MONITORING FOR CVS & CONTROL DEVICES**						
VOC	60.112b (a)(3)(i)			Closed vent system leak tightness standards (< 500 ppmw)	60.112b (a)(3)(i)	not specified	Method 21
VOC	60.112b (a)(3)(ii)			Control device standards; includes 95% efficiency requirement, or a flare per 60.18	60.113b (c)(2) & (d)	as approved	specified parameter
NESHAP 40CFR61 Subpart FF	**NESHAP 40CFR61 Subpart FF**						

Table VII – 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	311.3			Control device standards; includes 95% efficiency requirement	603.1	not specified	ST-4
VOC	328.2			Tank cleaning control device standards; includes 90% efficiency requirement	603.2	not specified	ST-7

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – 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	501			True vapor pressure determination	601, 602, 604	periodic initially and upon change of service	look up table or sample analysis
NSPS Kb	**Volatile Organic Liquid Storage Vessels LIMITS AND MONITORING FOR CVS & CONTROL DEVICES**						
VOC	60.112b (a)(3)(i)			Closed vent system leak tightness standards (< 500 ppmw)	60.112b (a)(3)(i)	not specified	Method 21
VOC	60.112b (a)(3)(ii)			Control device standards; includes 95% efficiency requirement, or a flare per 60.18	60.113b (c)(2) & (d)	as approved	specified parameter
NESHAP 40CFR61 Subpart FF	**NESHAP 40CFR61 Subpart FF**						

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – Cluster 26
Applicable Limits and Compliance Monitoring Requirements
EXTERNAL FLOATING-ROOF TANKS
S26 – Tank A-026

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	320			Deck fitting closure standards; includes gasketed covers	320	periodic initially & at 1 or 10 yr intervals, depending upon rim seal age	visual inspection
VOC	321			Primary rim-seal standards; includes gap criteria	321	periodic initially & at 5 or 10 yr intervals, depending upon rim seal age	measurement and visual inspection
VOC	322			Secondary rim-seal standards; includes gap criteria	322	periodic initially & at 1 or 10 yr intervals, depending upon rim seal age	measurement and visual inspection
VOC	328.2			Tank cleaning control device standards; includes 90% efficiency requirement	603.2	not specified	ST-7
VOC	501			True vapor pressure determination	601, 602, 604	periodic initially and upon change of service	look up table or sample analysis
Refinery MACT	**NESHAP for Petroleum Refineries LIMITS AND MONITORING FOR EFRTs**						
HAP	63.646(f)			Deck fitting closure standards	63.646 (a) & (e) 63.120 (b)(10)	periodic initially & each time emptied & degassed	visual inspection

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – Cluster 26
Applicable Limits and Compliance Monitoring Requirements
EXTERNAL FLOATING-ROOF TANKS
S26 – Tank A-026

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)(3)&(5)			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)			Secondary rim-seal standards; includes gap criteria	63.646(a) 63.120 (b)(1) & (2)	periodic initially & annually	measurement and visual inspection

Table VII – 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	320			Deck fitting closure standards; includes gasketed covers	320	periodic initially & at 1 or 10 yr intervals, depending upon rim seal age	visual inspection
VOC	321			Primary rim-seal standards; includes gap criteria	321	periodic initially & at 5 or 10 yr intervals, depending upon rim seal age	measurement and visual inspection

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – 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	322			Secondary rim-seal standards; includes gap criteria	322	periodic initially & at 1 or 10 yr intervals, depending upon rim seal age	measurement and visual inspection
VOC	328.2			Tank cleaning control device standards; includes 90% efficiency requirement	603.2	not specified	ST-7
VOC	501			True vapor pressure determination	601, 602, 604	periodic initially and upon change of service	look up table or sample analysis
Refinery MACT	**NESHAP for Petroleum Refineries** **LIMITS AND MONITORING FOR EFRTs**						
HAP	63.646(f)			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)			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)			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 – Cluster 26
Applicable Limits and Compliance Monitoring Requirements
EXTERNAL FLOATING-ROOF TANKS
S640 – Tank A-640, 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	320			Deck fitting closure standards; includes gas keted covers	320	periodic initially & at 1 or 10 yr intervals, depending upon rim seal age	visual inspection
VOC	321			Primary rim-seal standards; includes gap criteria	321	periodic initially & at 5 or 10 yr intervals, depending upon rim seal age	measurement and visual inspection
VOC	322			Secondary rim-seal standards; includes gap criteria	322	periodic initially & at 1 or 10 yr intervals, depending upon rim seal age	measurement and visual inspection
VOC	328.2			Tank cleaning control device standards; includes 90% efficiency requirement	603.2	not specified	ST-7
VOC	501			True vapor pressure determination	601, 602, 604	periodic initially and upon change of service	look up table or sample analysis
Refinery MACT	**NESHAP for Petroleum Refineries LIMITS AND MONITORING FOR EFRTs**						
HAP	63.646(f)			Deck fitting closure standards	63.646 (a) & (e) 63.120 (b)(10)	periodic initially & each time emptied & degassed	visual inspection

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – Cluster 26
Applicable Limits and Compliance Monitoring Requirements
EXTERNAL FLOATING-ROOF TANKS
S640 – Tank A-640, 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
HAP	63.646(a) 63.120 (b)(3)&(5)			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)			Secondary rim-seal standards; includes gap criteria	63.646(a) 63.120 (b)(1) & (2)	periodic initially & annually	measurement and visual inspection

Table VII – I
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 – I
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.8-28-301	Y Y		Total valve, pressure relief, pump or compressor leaks ≥ 15 lb/day, they must be repaired within 7 days 10,000 ppm	None 8-28-402	N 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 – I
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	60.692-5 (e)(1)	Y		Closed-vent systems <500 ppm above background	60.692 (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 (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%		N	
40 CFR 60; Subpart VV							
POC	60.482-2 (b)(1)	Y		Pump leak ≥ 10,000 ppm	60.482-2 (a)(1)	P/M	Measure for leaks
POC	60.482-2 (b)(2)	Y		Pump leak Indicated by dripping liquid	60.482-2 (a)(2)	P/W	Visual Inspection
POC	60.482-2(e)	Y		Designated "No detectable emissions" ≤ 500 ppm	60.482-2(e)(3)	P/A	Measure for leaks
POC	60.482-8 (b)	Y		Pump leak ≥ 10,000 ppm	60.482-8 (a)	P/5 days	Visual, audible, olfactory Inspection; Measure for leaks
POC	60.482-9 (d)	Y		Pumps under "Delay of repair" repaired within 6 months		N	

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – I
Applicable Limits and Compliance Monitoring Requirements
COMPONENTS

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	60.482-3	Y		Compressor shall have a sensor to detect failure of seal system, barrier fluid system, or both.	60.482-3 (e)(1)	P/C	Sensor with audible alarm or checked daily
POC	60.482-4(a)	Y		Pressure relief valve (gas/vapor) leak ≥ 500 ppm		N	
POC	60.482-4(b)	Y		Pressure relief valve (gas/vapor) leak ≥ 500 ppm within 5 days after a pressure release event		P/E	Measure for leaks within 5 days after release
POC	60.482-7(b)	Y		Valve leak ≥ 10,000 ppm	60.482-7(a)	P/M	Measure for leaks
POC	60.482-7(b)	Y		Valve leak ≥ 10,000 ppm; 2 successive months w/o leaking	60.482-7(c)	P/Q	Measure for leaks
POC	60.482-7(f)	Y		Designated "No detectable emissions" ≤ 500 ppm	60.482-7 (f)(3)	P/A	Measure for leaks
POC	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
POC	60.482-8(b)	Y		Pressure Relief devices (liquid), Flanges, Connectors leak ≥ 10,000 ppm	60.482-8(a)	P/E	Measure for leaks
POC	60.482-10 (b)	Y		Closed-vent systems and control devices: Vapor recovery systems ≥ 95%		N	

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – I
Applicable Limits and Compliance Monitoring Requirements
COMPONENTS

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	60.482-10 (c)	Y		Combustion devices ≥ 95% destruction efficiency or ≥ 0.75 seconds and ≥ 816°C		N	
POC	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
POC	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	

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – I
Applicable Limits and Compliance Monitoring Requirements
COMPONENTS

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	61.242-3	Y		Compressor shall have a sensor to detect failure of seal system, barrier fluid system, or both.	61.242-3 (e)(1)	P/C	Sensor with audible alarm or checked daily
POC	61.242-4(a)	Y		Pressure relief valve (gas/vapor) leak ≥ 500 ppm		N	
POC	61.242-4(b)	Y		Pressure relief valve (gas/vapor) leak ≥ 500 ppm within 5 days after a pressure release event		P/E	Measure for leaks
POC	61.242-7(b)	Y		Valve leak ≥ 10,000 ppm	61.242-7(a)	P/M	Measure for leaks
POC	61.242-7(b)	Y		Valve leak ≥ 10,000 ppm; 2 successive months w/o leaking	61.242-7(c)	P/Q	Measure for leaks
POC	61.242-7(f)	Y		Designated "No detectable emissions" ≤ 500 ppm	61.242-7 (f)(3)	P/A	Measure for leaks
POC	61.242-8(a)	Y		Pressure Relief devices (liquid), Flanges, Connectors leak shall be measured for leak in 5 days if detected by inspection	61.242-8(a)	P/E	Visible, Audible, or olfactory Inspection
POC	61.242-8(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	

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – I
Applicable Limits and Compliance Monitoring Requirements
COMPONENTS

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	61.242-11 (f)	Y		Closed-vent systems leak ≥ 500 ppm and visible leak indication	61.242-11 (f)	P/A	Measure for leaks and Visual Inspection
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 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
BAAQMD 6-311	General Operations	Manual of Procedures, Volume IV, ST-15, Particulates Sampling
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 8-5-311.3	VOC emissions	Manual of Procedures, Volume IV, ST-34, Bulk and Marine Loading Terminals Vapor Recovery Units
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 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)

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Table VIII
Test Methods

Applicable Requirement	Description of Requirement	Acceptable Test Methods
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).
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 8-18-302, 8-18-303	Leak inspection procedures	EPA Reference Method 21, Determination of Volatile Organic Compounds 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 8-25-301-303, 602	Inspection procedures (pumps and Compressors)	EPA Reference Method 21, Determination of Volatile Organic Compounds Leaks
BAAQMD Regulation 8-33-203	Analysis of samples	Manual of Procedures, Volume III, Method 13, Determination of the Reid Vapor Pressure of Petroleum Products
BAAQMD Regulation 8-18	**Equipment Leaks (1/7/98)**	
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

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Test Methods

Applicable Requirement	Description of Requirement	Acceptable Test Methods
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
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

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Test Methods

Applicable Requirement	Description of Requirement	Acceptable Test Methods
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, Lab 32, Determination of H2S in Process Water Streams Manual of Procedures, Volume III, Lab 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 Regulation 12-6-301	Acid Mist Emission Point	40 CFR 60, Appendix a, Method 8
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)
NSPS Part 60 Subpart QQQ	**Standards of Performance for VOC Emission From Petroleum Refinery Wastewater Systems (11/23/88)**	

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Test Methods

Applicable Requirement	Description of Requirement	Acceptable Test Methods
40 CFR, Subpart QQQ	Leak inspection procedures	60 Subpart QQQ, 60.696: EPA reference method 21 (40 CFR 60, Appendix A), Determination of Volatile Organic Compound Leaks
Subpart QQQ 40 CFR 60.692-5 (e)(1)	Leak inspection procedures	60 Subpart QQQ, 60.696: EPA reference method 21 (40 CFR 60, Appendix A), Determination of Volatile Organic Compound Leaks
40 CFR, Subpart QQQ, 60.696	Performance test methods and procedures and compliance provisions	Sources equipped with a closed-vent system and control device shall use EPA Method 21 to measure the emission concentrations, using 500 ppm as the no detectable emission limit. Acceptable seal gap criteria also included.
NSPS Part 60 Subpart VV	**Standards of Performance for Equipment Leaks (Fugitive Emission Sources) (10/18/83)**	
Subpart VV 40 CFR 60.482-2(b)(1), 60.482-7(b), 60.482-8(b), 60.482-10 (g),	Leak inspection procedures	60 Subpart VV, 60.485(b): EPA reference method 21 (40 CFR 60, Appendix A), Determination of Volatile Organic Compound Leaks
Subpart VV 40 CFR 60.482-2(b)(2), 60.482-8(a),	Visual inspection	60 Subpart VV, 60.485(b)
Subpart VV 40 CFR 60.482-2(e), 60.482-4(a), 60.482-4(b), 60.482-7(f),	Leak inspection procedures	60 Subpart VV, 60.485(c): EPA reference method 21 (40 CFR 60, Appendix A), Determination of Volatile Organic Compound Leaks

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Test Methods

Applicable Requirement	Description of Requirement	Acceptable Test Methods
Subpart VV 40 CFR 60.483 and BAAQMD 8-18-404.1	Leak inspection procedures	60 Subpart VV, 60.485(b): EPA reference method 21 (40 CFR 60, Appendix A), Determination of Volatile Organic Compound Leaks
NESHAP Part 61 Subpart FF	**National Emission Standard for Benzene Waste Operations (3/7/90)**	
Subpart FF 40 CFR 61.349 (a)(1)(i)	Leak inspection procedures	61 Subpart FF, 61.355(h): EPA reference method 21 (40 CFR 60, Appendix A), Determination of Volatile Organic Compound Leaks
Subpart FF 40 CFR 61.354 (f)	Visual Inspection	61 Subpart FF, 61.354(f)
NESHAP Part 61 Subpart V	**National Emission Standards for Equipment Leaks (Fugitive Emission Sources) (6/6/84)**	
Subpart V 40 CFR 61.242-2(b)(1), 61.242-7(b), 61.242-8(b)	Leak inspection procedures	61 Subpart V, 61.245(b): EPA reference method 21 (40 CFR 60, Appendix A), Determination of Volatile Organic Compound Leaks
Subpart V 40 CFR 61.242-2 (b)(2), 61.242-2 (g), 61.242-8(a)	Visual Inspection	61 Subpart V, 61.242-2 (b)

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Test Methods

Applicable Requirement	Description of Requirement	Acceptable Test Methods
Subpart V 40 CFR 61.242-2(e), 61.242-4(a), 61.242-4(b), 61.242-7(f), 61.242-11 (f)	Leak inspection procedures	61 Subpart V, 61.245(c) : EPA reference method 21 (40 CFR 60, Appendix A), Determination of Volatile Organic Compound Leaks
Subpart V 40 CFR 61.243 and BAAQMD 8-18-404.1	Leak inspection procedures	61 Subpart V, 61.245(b) : EPA reference method 21 (40 CFR 60, Appendix A), Determination of Volatile Organic Compound Leaks
40 CFR, Subpart VV, 63.1046	Test methods, procedures	Method 21of 40 CFR part 60, appendix A. Acceptable floating roof seal gap criteria included.
40 CFR, Subpart CC	Test methods, procedures	EPA reference method 21 (40 CFR 60, Appendix A), Determination of Volatile Organic Compound Leaks

IX. PERMIT SHIELD

Subsumed Requirements

Pursuant to District Regulations 2-6-233.2 and 2-6-409.12, as of the date this permit is issued, the federally enforceable monitoring, recordkeeping, and reporting requirements cited in the following table for the source or group of sources identified at the top of the table[s] are subsumed by the monitoring, recordkeeping, and reporting for more stringent requirements or by a "hybrid" monitoring scheme. The District has determined that compliance with the requirements listed below and elsewhere in this permit will assure compliance with the substantive requirements of the subsumed monitoring requirements. Enforcement actions and litigation may not be initiated against the source or group of sources covered by this shield based on the subsumed monitoring requirements cited.

Table IX B – 1
Permit Shield for Subsumed Requirements
S707 – Tank A-707, S706 – Tank A-706, S709 – Tank A-709,

Subsumed Requirement Citation	Title or Description	Streamlined Requirements	Title or Description
BAAQMD Regulation 8, Rule 5	**Organic Compounds – Storage of Organic Liquids**		
8-5-501	**Records:** Subsumed into the Refinery MACT recordkeeping requirements.	**Section 63.654**	Notification of Compliance Status report

Table IX B – 2
Permit Shield for Subsumed Requirements
S705 – Tank A-705, S33 – Tank A-033, S638 – Tank A-638, S692 – Tank A-692, S708 – Tank A-708, S21 (12759) – Tank B-021, S50 (12759) – Tank B-050, S21 (12759) – Tank B-021, S50 (12759) – Tank B-050, S639 – Tank A-639, S664 – Tank A-664, S1461 – Tank A-866, S1463 – Tank A-867, S1464 – Tank A-868, S1465 – Tank A-869, S490 – Tank A-490, S631 – Tank A-631, S690 – Tank A-690,
S19 (12759) – Tank B-019, S30 (12759) – Tank B-030, S49 (12759) – Tank B-049, S642 – Tank A-642, S31 (12759) – Tank B-031, S26 – Tank A-026, S641 – Tank A-641, S640 – Tank A-640, S710 – Tank A-710, S711 – Tank A-711, S637 – Tank A-637, S702 – Tank A-702, S217 – Tank A-217, S134 – Tank A-134, S135 – Tank A-135, S428 – Tank A-428, S696 – Tank A-696, S697 – Tank A-697, S612 – Tank A-612, S619 – Tank A-619

Subsumed Requirement Citation	Title or Description	Streamlined Requirements	Title or Description
BAAQMD Regulation 8, Rule 5	**Organic Compounds – Storage of Organic Liquids**		
8-5-501	**Records:** Subsumed into the Refinery MACT recordkeeping requirements.	**Section 63.654**	Notification of Compliance Status report
40 CFR Part 60 Subpart Kb	**Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984**		
60.115b(b)	**Reporting and Recordkeeping for EFRTs.** Subsumed into the Refinery MACT requirements.	**Section 63.654**	Notification of Compliance Status report
60.116b (a)-(c)	**Additional Recordkeeping.** Subsumed into the Refinery MACT requirements.	**Section 63.654**	Notification of Compliance Status report

GLOSSARY

ACT
Federal Clean Air Act

APCO
Air Pollution Control Officer

API
American Petroleum Institute

ARB
Air Resources Board

BAAQMD
Bay Area Air Quality Management District

BACT
Best Available Control Technology

BARCT
Best Available Retrofit Control Technology

Basis
The underlying authority that allows the District to impose requirements.

Bubble
An emission limit imposed on a group of sources.

C5
An Organic chemical compound with five carbon atoms

C6
An Organic chemical compound with six carbon atoms

CAA
The federal Clean Air Act

CAAQS
California Ambient Air Quality Standards

CAPCOA
California Air Pollution Control Officers Association

CEC
California Energy Commission

CEQA
California Environmental Quality Act

CEM
A "continuous emission monitor" is a monitoring device that provides a continuous direct

measurement of some pollutant (e.g. NOx concentration) in an exhaust stream.

CFP
Clean Fuels Project

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

CO
Carbon Monoxide

CO2
Carbon Dioxide

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

DAF
A "dissolved air flotation" unit is a process vessel where air bubbles injected at the bottom of the vessel are used to carry solids in the liquid into a froth on the liquid surface, where it is removed.

DWT
Dead Weight Ton

District
The Bay Area Air Quality Management District

DNF
Dissolved Nitrogen Flotation (See DAF)

dscf
Dry Standard Cubic Feet

dscm
Dry Standard Cubic Meter

E 6, E 9, E 12
Very large or very small number values are commonly expressed in a form called scientific notation, which consists of a decimal part multiplied by 10 raised to some power. For example, 4.53 E 6 equals (4.53) x (10^6) = (4.53) x (10 x 10 x 10 x 10 x 10 x 10) = 4,530,000. Scientific notation is used to express large or small numbers without writing out long strings

of zeros.

EFRT
An "external floating roof tank" minimizes VOC emissions with a roof with floats on the surface of the liquid, thus preventing the formation of a VOC-rich vapor space above the liquid surface as the level in the tank drops. If such a vapor space were allowed to form, it would be expelled when the tank was re-filled. On an EFRT, the floating roof is not enclosed by a second, fixed tank roof, and is thus described as an "external" roof.

EPA
The federal Environmental Protection Agency.

ETP
Effluent Treatment Plant

Excluded
Not subject to any District Regulations.

FCC
Fluid Catalytic Cracker

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

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

FR
Federal Register

FRT
Floating Roof Tank (See EFRT and IFRT)

GDF
Gasoline Dispensing Facility

GLM
Ground Level Monitor

grains
1/7000 of a pound

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

Hg
Mercury

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

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.

Long ton
2200 pounds

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

MDEA
Methyl Diethanolamine

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

Mo Gas
Motor gasoline

MOP
The District's Manual of Procedures

MOSC
Mobil Oil Sludge Conversion (licensed technology)

MSDS
Material Safety Data Sheet

MTBE
methyl tertiary-butyl ether

NA
Not Applicable

NAAQS
National Ambient Air Quality Standards

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

NMHC
Non-methane Hydrocarbons

NMOC
Non-methane Organic Compounds (Same as NMHC)

NOx
Oxides of nitrogen.

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

NSR

New Source Review. A federal program for pre-construction review and permitting of new and modified sources of air pollutants for which the District is classified "non-attainment". Mandated by Title I of the Clean Air Act and implemented by 40 CFR Parts 51 and 52 as well as District Regulation 2, Rule 2. (Note: There are additional NSR requirements mandated by the California Clean Air Act.)

O2
The chemical name for naturally-occurring oxygen gas.

Offset Requirement
A New Source Review requirement to provide federally enforceable emission offsets at a specified ratio for the emissions from a new or modified source and any pre-existing cumulative increase minus any onsite contemporaneous emission reduction credits. Applies to emissions of POC, NOx, PM10, and SO2.

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

POC
Precursor Organic Compounds

PM
Total Particulate Matter

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

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

Regulated Organic Liquid
"Regulated organic liquids" are those liquids which require permits, or which are subject to some regulation, when processed at a liquid-handling operation. For example, for refinery marine terminals, regulated organic liquids are defined as "organic liquids" in Regulation 8, Rule 44.

RFG
Refinery Fuel Gas

RMG
Refinery Make Gas

SCR

A "selective catalytic reduction" unit is an abatement device that reduces NOx concentrations in the exhaust stream of a combustion device. SCRs utilize a catalyst, which operates at a specific temperature range, and injected ammonia to promote the conversion of NOx compounds to nitrogen gas.

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

THC
Total Hydrocarbons (NMHC + Methane)

therm
100,000 British Thermal Unit

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

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

VOC
Volatile Organic Compounds

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
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=3.1