Bay Area Air Quality Management District

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

Final

MAJOR FACILITY REVIEW PERMIT

Issued To:

ConocoPhillips Company – San Francisco Refinery
Facility #A0016

Facility Address:
1380 San Pablo Avenue
Rodeo, CA 94572

Mailing Address:
1380 San Pablo Avenue
Rodeo, CA 94572

Responsible Official	**Facility Contact**
J. Michael Kenney, General Manager	Valerie Uyeda, Environmental Specialist
510 245 4415	510 245 5249

Type of Facility:	Petroleum refinery	BAAQMD Engineering Division Contact:
Primary SIC:	2911	Julian Elliot
Product:	refined petroleum products	

ISSUED BY THE BAY AREA AIR QUALITY MANAGEMENT DISTRICT

Signed by Brian Bateman for Jack P. Broadbent _____ May 27, 2004 _____
Jack P. Broadbent, Executive Officer/Air Pollution Control Officer Date

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I. STANDARD CONDITIONS

A. Administrative Requirements

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

BAAQMD Regulation 1 - General Provisions and Definitions
(as amended by the District Board on 5/2/01);

SIP Regulation 1 - General Provisions and Definitions
(as approved by EPA on 8/1/01);

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 on 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 on 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 on 2/25/99); and

BAAQMD Regulation 2, Rule 6 - Permits, Major Facility Review
(as amended by the District Board on 5/2/01).

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

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

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

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

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

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

F. Monitoring Reports

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

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

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

G. Compliance Certification

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

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

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

H. Emergency Provisions

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

I. Severability

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

J. Miscellaneous Conditions

For grandfathered sources, the throughput limits as shown in Condition 20989 are based upon District records at the time of the MFR permit issuance. The facility must report any exceedance of these limits following the procedures in Section I.F. This reporting requirement is intended to facilitate a determination of whether a modification has occurred as defined in Regulation 2-1-234.3. The throughput limits for grandfathered sources are for reporting purposes only. Exceedance of this limit does not establish a presumption that a modification has occurred, nor does compliance with the limit establish a presumption that a modification has not occurred.

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 I.J and Regulation 2-1-301.

S-#	Description	Make or Type	Model	Capacity
2	U229, B-301 Heater (natural gas, refinery fuel gas)	Petro-Chem	process heater	22 MM BTU/hr
3	U230, B-201 Heater (natural gas, refinery fuel gas, naphtha)	Petro-Chem	process heater	62 MM BTU/hr
4	U231, B-101 Heater (natural gas, refinery fuel gas)	Braun	process heater	96 MM BTU/hr
5	U231, B-102 Heater (natural gas, refinery fuel gas)	Braun	process heater	104 MM BTU/hr
7	U231, B-103 Heater (natural gas, refinery fuel gas, naphtha)	Petro-Chem	process heater	64 MM BTU/hr
8	U240, B-1 Boiler (natural gas, refinery fuel gas)	Combustion Engineering	process heater	256 MM BTU/hr
9	U240, B-2 Boiler (natural gas, refinery fuel gas)	Born	process heater	61 MM BTU/hr
10	U240, B-101 Heater (natural gas, refinery fuel gas)	Foster-Wheeler	process heater	223 MM BTU/hr
11	U240, B-201 Heater (natural gas, refinery fuel gas)	Econo-Therm	process heater	108 MM BTU/hr
12	U240, B-202 Heater (natural gas, refinery fuel gas)	Econo-Therm	process heater	42 MM BTU/hr
13	U240, B-301 Heater (natural gas, refinery fuel gas)	Born	process heater	194 MM BTU/hr
14	U240, B-401 Heater (natural gas, refinery fuel gas)	Selas	process heater	556 MM BTU/hr
15	U244, B-501 Heater (natural gas, refinery fuel gas)	Alcorn	process heater	239.75 MM BTU/hr total for S-15 through S-19
16	U244, B-502 Heater (natural gas, refinery fuel gas)	Alcorn	process heater	239.75 MM BTU/hr total for S-15 through S-19
17	U244, B-503 Heater (natural gas, refinery fuel gas)	Alcorn	process heater	239.75 MM BTU/hr total for S-15 through S-19
18	U244, B-504 Heater (natural gas, refinery fuel gas)	Alcorn	process heater	239.75 MM BTU/hr total for S-15 through S-19
19	U244, B-505 Heater (natural gas, refinery fuel gas)	Alcorn	process heater	239.75 MM BTU/hr total for S-15 through S-19
20	U244, B-506 Heater (natural gas, refinery fuel gas)	Econo-Therm	process heater	23 MM BTU/hr
21	U244, B-507 Heater (natural gas, refinery fuel gas)	Econo-Therm	process heater	8.1 MM BTU/hr
22	U248, B-606 Heater (natural gas, refinery fuel gas)	Econo-Therm	process heater	31 MM BTU/hr

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S-#	Description	Make or Type	Model	Capacity
29	U200, B-5 Heater (natural gas, refinery fuel gas)	Foster-Wheeler	process heater	103 MM BTU/hr
30	U200, B-101 Heater (natural gas, refinery fuel gas)	Petro-Chem	process heater	50 MM BTU/hr
31	U200, B-501 Heater (natural gas, refinery fuel gas)	Petro-Chem	process heater	20 MM BTU/hr
43	U200, B-202 Heater (natural gas, refinery fuel gas)		process heater	230 MM BTU/hr
44	U200, B-201 PCT Reboil Furnace (natural gas, refinery fuel gas)		process heater	46 MM BTU/hr
50	Diesel Engine (turbine S-352 startup)	Allis-Chalmers	6138, 435 hp	<100 hr/yr operation
51	Diesel Engine (turbine S-353 startup)	Allis-Chalmers	6138, 435 hp	<100 hr/yr operation
52	Diesel Engine (turbine S-354 startup)	Allis-Chalmers	6138, 435 hp	<100 hr/yr operation
53	SPP Emergency Generator G-27	Cummins	6B-5.9, 97 hp	<100 hr/yr operation (excluding emergency use)
54	Pump Station 3 CP-198 Emergency Engine	Waukesha Scania	F647DSUF, 258 hp	<100 hr/yr operation (excluding emergency use)
55	Pump Station 3 CP-199 Emergency Engine	Waukesha Scania	F647DSUF, 258 hp	<100 hr/yr operation (excluding emergency use)
56	Pump Station 4 G-201A Emergency Engine	Caterpillar	3406, 370 hp	<100 hr/yr operation (excluding emergency use)
57	Pump Station 4 G-201B Emergency Engine	Caterpillar	3406, 370 hp	<100 hr/yr operation (excluding emergency use)
58	Pump Station 4 G-422A Emergency Engine	Caterpillar	3406, 370 hp	<100 hr/yr operation (excluding emergency use)
59	Pump Station 4 G-422B Emergency Engine	Caterpillar	3406, 370 hp	<100 hr/yr operation (excluding emergency use)
97	Tank 100	external floating roof	crude oil	298 thousand bbl
100	Tank 103	external floating roof	ship ballast	47 thousand bbl
101	Storm Water Equalization Tank T-104	external floating roof	stormwater	5.5 million gal
102	Storm Water Equalization Tank T-105	external floating roof	stormwater	5.5 million gal
106	Storm Water Equalization Tank T-130	external floating roof	stormwater	10.6 million gal
107	Tank 150	external floating roof	crude oil	68 thousand bbl

Table II A - Permitted Sources

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S-#	Description	Make or Type	Model	Capacity
110	Tank 155	external floating roof	crude oil, gas oil, distillate oil	4.2 million gal
111	Tank 156	external floating roof	crude oil	100 thousand bbl
112	Tank 157	external floating roof	crude oil	100 thousand bbl
113	Tank 158	external floating roof	crude oil	101 thousand bbl
114	Tank 159	external floating roof	crude oil	136 thousand bbl
115	Tank 160	external floating roof	naphtha	75 thousand bbl
117	Tank 162	external floating roof	naphtha	5300 gal
118	Tank 163	fixed roof	lube oil	5300 gal
121	Tank 166	external floating roof	gasoline	18500 gal
122	Tank 167	external floating roof	naphtha	3.1 million gal
123	Tank 168	external floating roof	naphtha	75 thousand bbl
124	Tank 169	external floating roof	naphtha	75 thousand bbl
125	Tank 170	external floating roof	naphtha	75 thousand bbl
126	Tank 172	external floating roof	naphtha, MTBE	75 thousand bbl
128	Tank 174	external floating roof	crude oil, naphtha	76 thousand bbl
129	Tank 180	external floating roof	naphtha	76 thousand bbl
133	API Waste Oil Tank T-193	external floating roof	waste oil	22 thousand bbl
134	API Waste Oil Tank T-194	external floating roof	waste oil	22 thousand bbl
139	Tank 204	fixed roof	distillate oil	81 thousand bbl
140	Tank 205	fixed roof	naphtha	54 thousand bbl
150	Tank 241	external floating roof	gasoline	79 thousand bbl
151	Tank 242	external floating roof	gasoline	75 thousand bbl
177	Tank 287	external floating roof	gasoline	104 thousand bbl
178	Tank 288	external floating roof	diesel	104 thousand bbl
182	Tank 294	fixed roof	naphtha	40 thousand bbl
183	Tank 295	external floating roof	naphtha	13 thousand bbl
184	Tank 296	external floating roof	naphtha	70 thousand bbl
186	Tank 298	external floating roof	naphtha	47 thousand bbl
193	Tank 305	fixed roof	dye	2000 gal
194	Tank 306	fixed roof	dye	2000 gal
195	Water Treatment Sludge Tank T-501	fixed-roof	sludge	2500 bbl
196	Water Treatment Sludge Tank T-502	fixed-roof	sludge	2500 bbl
216	Tank 695	external floating roof	naphtha	2.0 million gal
238	Used Caustic Tank T-211	fixed-roof	caustic waste	10000 bbl
239	Stripped Foul Water Tank T-212	fixed-roof	sour water	10000 bbl
254	Tank 1001	external floating roof	gasoline	104 thousand bbl
255	Tank 1002	external floating roof	gasoline	104 thousand bbl
256	Tank 1003	external floating roof	gasoline	104 thousand bbl

Table II A - Permitted Sources

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

S-#	Description	Make or Type	Model	Capacity
257	Tank 1004	external floating roof	gasoline	104 thousand bbl
258	Tank 1005	external floating roof	gasoline	104 thousand bbl
259	Tank 1006	external floating roof	gasoline	104 thousand bbl
261	Tank 1010	external floating roof	naphtha, distillate oil	104 thousand bbl
294	Non-Retail Gasoline Dispensing Facility (GDF 7609 – 1 nozzle)	phase I / II vapor recovery	EW A4000	15000 gal underground tank
296	C-1 Flare	John Zink	STF-SA-42S	692 ton/hr gas handling capacity, 6.6 MM BTU/hr pilot
300	U200 Delayed Coker	delayed coker	NA	56,000 bbl/day
301	Molten Sulfur Pit 234	NA	NA	245 long ton/day for S-301, 302 , 303
302	Molten Sulfur Pit 236	NA	NA	245 long ton/day for S-301, 302 , 303
303	Molten Sulfur Pit 238	NA	NA	245 long ton/day for S-301, 302 , 303
304	U229 Mid-Barrel Unionfining	NA	NA	12198 bbl/day
305	U230 Prefractionator/Naphtha Hydrotreater	NA	NA	25300 bbl/day
306	U231 Platforming Unit	NA	NA	21,000 bbl/day
307	U240 Unicracking Unit	NA	NA	38,000 bbl/day
308	U244 Reforming Unit	NA	NA	16087 bbl/day
309	U248 UNISAR Unit	NA	NA	16740 bbl/day
318	U76 Gasoline/Mid Barrel Blending Unit	NA	NA	80000 bbl/day gasoline 41200 bbl/day diesel
319	U215 Gasoline Fractionating Unit	NA	NA	7500 bbl/day
322	U40 Raw Materials Receiving	NA	NA	throughput limited at specific tanks, process units
324	U100_API Oil Wastewater Separator (with outlet channel cover)	NA	NA	7,500 gpm during media filter backwash and 7,000 gpm during all other times
334	Tank 107	external floating roof	crude oil	180 thousand bbl
336	U231 B-104 Heater (natural gas, refinery fuel gas)	Foster-Wheeler	process heater	111 MM BTU/hr
337	U231 B-105 Heater (natural gas, refinery fuel gas)	Foster-Wheeler	process heater	34 MM BTU/hr
338	U233 Fuel Gas Center			7.5 E 6 cubic feet/hr
339	U80 Refined Oil Shipping Unit	gasoline shipping		294 thousand gal/hr
340	Tank 108	external floating roof	crude oil	200 thousand bbl
341	Tank 208	external floating roof	gasoline	103 thousand bbl
342	Tank 209	external floating roof	gasoline	103 thousand bbl
343	Tank 210	external floating roof	gasoline	103 thousand bbl

Table II A - Permitted Sources

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

S-#	Description	Make or Type	Model	Capacity
350	U267 Crude Distillation Unit	atmospheric/vacuum towers		33000 bbl/day
351	U267 B-601/602 Tower Pre-heaters (natural gas, refinery fuel gas)			101 MM BTU/hr
352	Combustion Turbine (natural gas, refinery fuel gas)	Westinghouse	191	291MMBTU/hr continuously
353	Combustion Turbine (natural gas, refinery fuel gas)	Westinghouse	191	291MMBTU/hr continuously
354	Combustion Turbine (natural gas, refinery fuel gas)	Westinghouse	191	291MMBTU/hr continuously
355	Supplemental Firing Duct Burners (natural gas, refinery fuel gas)	Coen		175 MM BTU/hr
356	Supplemental Firing Duct Burners (natural gas, refinery fuel gas)	Coen		175 MM BTU/hr
357	Supplemental Firing Duct Burners (natural gas, refinery fuel gas)	Coen		175 MM BTU/hr
360	Mid-Barrel Tank 223	fixed roof	distillate oil	110 thousand bbl
370	U228 Isomerization Unit			460 bbl/hr
371	U228 B-520 (Adsorber Feed) Furnace (natural gas, refinery fuel gas)	Selas		58 MM BTU/hr for S-371, 372
372	U228 B-521 (Hydrogen Plant) Furnace (natural gas, refinery fuel gas)	Selas		58 MM BTU/hr for S-371, 372
376	Tool Room Cold Cleaner	Build-All	DM-32	29 gal
377	Machine Shop Cold Cleaner	Build-All	DM-32	29 gal
378	Auto Shop Cold Cleaner	Snap-On	DM-226	18 gal
380	Activated Carbon Silo (P-204)			50,000 lb
381	Aeration Tank, Pact (F-201)	wastewater	100 ft dia	1.2 million gal
382	Aeration Tank, Pact (F-202)	wastewater	100 ft dia	1.2 million gal
383	Clarifier, F-203	wastewater	95 ft dia	0.69 million gal
384	Clarifier (F-204)	wastewater	95 ft dia	0.69 million gal
385	Media Filter (F-207 A-H)	wastewater		420 thousand gal/hr
386	PAC Regeneration Sludge Thickener (F-211)		25 ft dia	44000 gal
387	Wet Air Regeneration (P-202)	Zimpro		15 gpm
388	Sludge Pretreatment (T276, F205)	30 ft dia by 24 ft 12 ft dia by 24 ft		17.5 ton/hr
389	Diatomaceous earth silo (F-214)			40000 lb
390	F-106 Thickened Sludge Storage	15 ft diameter open tank		38,000 gal

Table II A - Permitted Sources

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

S-#	Description	Make or Type	Model	Capacity
392	Regenerated PAC Slurry Storage Tank F-266	fixed roof		42000 gal
398	MP-30 Flare	John Zink	Q5-48C	3.1 MM BTU/hr pilot
400	Wet Weather Wastewater Sump (with vented cover)	32 ft x 36 ft x 23 ft deep		175 thousand gal
401	Dry Weather Wastewater Sump (with vented cover)	33 ft x 25 ft x 26 ft deep		150 thousand gal
425	Marine Loading Berth M1	2 permitted arms		25000 bbl/day annual average for S-425, 426
426	Marine Loading Berth M2	4 permitted arms		25000 bbl/day annual average for S-425, 426
432	U215 Deisobutanizer			7600 bbl/day
433	MOSC Storage Tank	fixed roof		30000 gal
435	Reformate Splitter			18100 bbl/day
436	Deisopentanizer			13400 bbl/day
437	Hydrogen Manufacturing Unit			25 million scf/day
438	U110, H-1 (H2 Plant Reforming) Furnace (natural gas, refinery fuel gas, PSA offgas)	Claudius Peters	reforming furnace	210 MM BTU/hr
439	Tank 109	external floating roof	gasoline, others	161 thousand bbl
440	Tank 110 (Alkylate)	external floating roof	alkylate	161 thousand bbl
442	Tank 112	external floating roof	gasoline, others	161 thousand bbl
444	Tank 243	external floating roof	gasoline, others	113 thousand bbl
445	Tank 271 (Cracked Naphtha)	underground tank	naphtha	189 thousand bbl
446	Tank 310 (Isopentane)	fixed roof	isopentane	41 thousand bbl
447	Tank 311 (Isopentane)	fixed roof	isopentane	41 thousand bbl
448	Tank 1007 (Blendstock Receiving)	internal floating roof	gasoline, others	243 thousand bbl
449	Tank 285 (Cracked Naphtha)	fixed roof	naphtha	189 thousand bbl
450	Groundwater Extraction Trenches		ground-water remediation	3 gpm continuously
451	Tank 695	external floating roof	naphtha, gasoline, others	81 thousand bbl
1001	Sulfur Plant Unit 234 (including aux. burner)		Claus	245 long ton/day for S-1001, 1002 and 1003
1002	Sulfur Plant Unit 236 (including aux. burner, water stripper)		Claus	245 long ton/day for S-1001, 1002 and 1003
1003	Sulfur Plant Unit 238 (including aux. burner)		Claus	245 long ton/day for S-1001, 1002 and 1003

Table II A - Permitted Sources

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

S-#	Description	Make or Type	Model	Capacity
1007	U100 Dissolved Air Flotation Unit (with fixed roof)			7,500 gpm during media filter backwash and 7,000 gpm during all other times
1008	U100 Primary Stormwater Basin			7000 gpm
1009	U100 Main Stormwater Basin			7000 gpm

Table II B – Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
1	Sulfur Plant Tail-Gas Treatment Plant	S-1001 tailgas	BAAQMD 9-1-313.2 and SIP 9-1-313.2	none	95% of H2S in refinery fuel gas is removed and recovered on a refinery-wide basis
			BAAQMD 6-330	none	0.08 grain/dscf exhaust concentration of SO3 and H2SO4, expressed as 100% H2SO4
2	Sulfur Plant Tail-Gas Treatment Plant	S-1002 tailgas	BAAQMD 9-1-313.2 and SIP 9-1-313.2	none	95% of H2S in refinery fuel gas is removed and recovered on a refinery-wide basis

Table II B – Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
			BAAQMD 6-330	none	0.08 grain/dscf exhaust concentration of SO3 and H2SO4, expressed as 100% H2SO4
3	Sulfur Plant Tail-Gas Treatment Plant	S-1003 tailgas	BAAQMD 9-1-313.2 and SIP 9-1-313.2	none	95% of H2S in refinery fuel gas is removed and recovered on a refinery-wide basis
			BAAQMD 6-330	none	0.08 grain/dscf exhaust concentration of SO3 and H2SO4, expressed as 100% H2SO4
4	SCR System	S-43	BAAQMD Condition 1694	NOx, O2 CEMs	40 ppmv NOx at 3% O2 (over 8-hr period) except at startup and shutdown
			BAAQMD Condition 1694	none	50 ppmv CO at 3% O2 (monthly average) except at startup and shutdown
6	SCR System	S-351	BAAQMD Condition 1694	NOx, O2 CEMs	20 ppmv NOx at 3% O2 (over 3-hr period) except at startup and shutdown

Table II B – Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
7	Vapor Recovery System (3 electrically driven compressors)	Tanks S-139, S-140, S-182, S-388, S-433, S-445, S-446, S-447	BAAQMD 7-301, 7-302, 7-303	none	nuisance odors
		S-139, S-140, S-182	SIP 8-5-311.3	None	95% overall control of emissions
		S-139, S-140, S-182	BAAQMD 8-5-306	None	95% overall control of emissions
		S-449	BAAQMD Condition 11219	None	vent emissions to the refinery fuel gas system
		S-433	BAAQMD Condition 7353	None	vent emissions to the refinery fuel gas system
		S-445	BAAQMD Condition 12130	None	vent emissions to the refinery fuel gas system
		S-446	BAAQMD Condition 12131	None	vent emissions to the refinery fuel gas system
		S-447	BAAQMD Condition 12132	None	vent emissions to the refinery fuel gas system
		S-182	BAAQMD Condition 13184	None	vent emissions to the refinery fuel gas system
8	Stretford Evaporative Cooler	S-301	BAAQMD 9-1-313.2 and SIP 9-1-313.2	none	95% of H2S in refinery fuel gas is removed and recovered on a refinery-wide basis

Table II B – Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
			BAAQMD 6-330	none	0.08 grain/dscf exhaust concentration of SO3 and H2SO4, expressed as 100% H2SO4
9	Stretford Evaporative Cooler	S-302	BAAQMD 9-1-313.2 and SIP 9-1-313.2	none	95% of H2S in refinery fuel gas is removed and recovered on a refinery-wide basis
			BAAQMD 6-330	none	0.08 grain/dscf exhaust concentration of SO3 and H2SO4, expressed as 100% H2SO4
10	Stretford Evaporative Cooler	S-303	BAAQMD 9-1-313.2 and SIP 9-1-313.2	none	95% of H2S in refinery fuel gas is removed and recovered on a refinery-wide basis
			BAAQMD 6-330	none	0.08 grain/dscf exhaust concentration of SO3 and H2SO4, expressed as 100% H2SO4

Table II B – Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
13	SCR System	S-352, S-355	BAAQMD Condition 12122, Part 9a	NOx CEM	66 lb/hr NOx (3 hr average), 167 ton/yr NOx at S-352-357; 528 lb/day NOx per turbine/duct burner set
		S-352, S-355	BAAQMD Condition 12122, Part 7 and 10a	CO, O2 CEMs	39 ppmv @ 15% O2 (30-day average) per turbine/duct burner set; 200 ton/yr CO at S-352-357
		S-352	BAAQMD 9-9-301	NOx, CO, and O2 or CO2 CEM	9 ppmv NOx at 15% O2
14	SCR System	S-353, S-356	BAAQMD Condition 12122, Part 9a	NOx CEM	66 lb/hr NOx (3 hr average), 167 ton/yr NOx at S-352-357; 528 lb/day NOx per turbine/duct burner set
		S-353, S-356	BAAQMD Condition 12122, Part 7 and 10a	CO, O2 CEMs	39 ppmv @ 15% O2 (30-day average) per turbine/duct burner set; 200 ton/yr CO at S-352-357
		S-353	BAAQMD 9-9-301	NOx, CO, and O2 or CO2 CEM	9 ppmv NOx at 15% O2

Table II B – Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
15	SCR System	S-354, S-357	BAAQMD Condition 12122, Part 9a	NOx CEM	66 lb/hr NOx (3 hr average), 167 ton/yr NOx at S-352-357; 528 lb/day NOx per turbine/duct burner set
		S-354, S-357	BAAQMD Condition 12122, Part 7 and 10a	CO, O2 CEMs	39 ppmv @ 15% O2 (30-day average) per turbine/duct burner set; 200 ton/yr CO at S-352-357
		S-354	BAAQMD 9-9-301	NOx, CO, and O2 or CO2 CEM	9 ppmv NOx at 15% O2
16	SCR System	S-371	BAAQMD Condition 1694, Part C2	none	20 ppmv NOx at 3% O2 (3-hr average)
			BAAQMD Condition 1694, Part C3	none	50 ppmv CO at 3% O2 (3-hr average)
17	SCR System	S-372	BAAQMD Condition 1694, Part C2	none	20 ppmv NOx at 3% O2 (3-hr average)
			BAAQMD Condition 1694, Part C3	none	50 ppmv CO at 3% O2 (3-hr average)

Table II B – Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
20	Activated Carbon Silo Baghouse	S-380	BAAQMD Regulations 6-301 6-305 6-310 6-311 BAAQMD Condition 18251	differential pressure	normal range
21	Diatomaceous Earth Silo Baghouse	S-389	BAAQMD Regulations 6-301 6-305 6-310 6-311 BAAQMD Condition 18251	differential pressure	normal range
46	SCR System	S-438	BAAQMD Condition 1694, Part E	NOx, O2 CEMs	10 ppmv NOx at 3% O2 (3-hr average)
		S-438	BAAQMD Condition 1694, Part E	none	32 ppmv CO at 3% O2 (daily average)
50	Hydrogen Plant Vent Scrubber	S-307	BAAQMD 8-2-301	None	15 lb/day POC from emission streams with more than 300 ppm total carbon

Table II B – Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
113	SCR System	S-13	BAAQMD 9-10-301	NOx, O2 CEM	0.033 lb NOx/MMBTU refinery-wide limit
420	Marine Terminal Thermal Oxidizer	S-425 S-426	BAAQMD 8-44-301	None	2 pounds POC per 1,000 bbl loaded OR at least 95% by weight reduction of POC emissions

Table II C – Sources Exempt from Permit Requirements

S-#	Description	Basis for Exemption
69	Propane Loading Rack	BAAQMD 2-1-123.3.1
70	Butane Loading Rack	BAAQMD 2-1-123.3.1
71	Wax & Lube Oil Loading Rack (Tank Cars)	BAAQMD 2-1-123.3.4, BAAQMD 2-1-123.3.6
72	Wax Loading Rack (Trucks)	BAAQMD 2-1-123.3.6
73	Lube Oil Loading Rack (Trucks)	BAAQMD 2-1-123.3.4
90	Tank 67	BAAQMD 2-1-123.3.2
91	Tank 73	BAAQMD 2-1-123.3.6
94	Tank 78	BAAQMD 2-1-123.3.10
98	Tank 101	BAAQMD 2-1-123.3.2, BAAQMD 2-1-123..3.3
99	Tank 102	BAAQMD 2-1-123.3.2
103	Tank 106	BAAQMD 2-1-123.3.2
105	Tank 129	BAAQMD 2-1-123.3.2
108	Tank 153	BAAQMD 2-1-123.3.2
109	Tank 154	BAAQMD 2-1-123.3.2
120	Tank 165	BAAQMD 2-1-123.3.4
127	Tank 173	BAAQMD 2-1-123.3.2, BAAQMD 2-1-123.3.3
130	Tank 188	BAAQMD 2-1-123.3.6
131	Tank 189	BAAQMD 2-1-123.3.6
132	Tank 191	BAAQMD 2-1-123.3.4
135	Tank 200	BAAQMD 2-1-123.3.2
136	Tank 201	BAAQMD 2-1-123.3.2

Table II C – Sources Exempt from Permit Requirements

S-#	Description	Basis for Exemption
137	Tank 202	BAAQMD 2-1-123.3.2
138	Tank 203	BAAQMD 2-1-123.3.3
141	Tank 213	BAAQMD 2-1-123.3.6
142	Tank 214	BAAQMD 2-1-123.3.6
143	Tank 215	BAAQMD 2-1-123.3.6
144	Tank 216	BAAQMD 2-1-123.3.6
145	Tank 217	BAAQMD 2-1-123.3.4
148	Tank 231	BAAQMD 2-1-123.3.2, BAAQMD 2-1-123.3.9
149	Tank 232	BAAQMD 2-1-123.2, BAAQMD 2-1-123.3.9
157	Tank 252	BAAQMD 2-1-123.3.6
158	Tank 258	BAAQMD 2-1-123.3.2
162	Tank 262	BAAQMD 2-1-123.3.6
164	Tank 264	BAAQMD 2-1-123.3.2, BAAQMD 2-1-123.3.3
165	Tank 265	BAAQMD 2-1-123.3.2, BAAQMD 2-1-123.3.3
166	Tank 266	BAAQMD 2-1-123.3.2, BAAQMD 2-1-123.3.3
167	Tank 268	BAAQMD 2-1-123.3.6
168	Tank 269	BAAQMD 2-1-123.3.2
169	Tank 270	BAAQMD 2-1-123.3.2
171	Tank 273	BAAQMD 2-1-123.3.6
172	Tank 279	BAAQMD 2-1-123.3.6
173	Tank 280	BAAQMD 2-1-123.3.2
174	Tank 281	BAAQMD 2-1-123.3.3
175	Tank 284	BAAQMD 2-1-123.3.2
179	Tank 291	BAAQMD 2-1-123.3.2
180	Tank 292	BAAQMD 2-1-123.3.2
187	Tank 299	BAAQMD 2-1-123.3.4
188	Tank 300	BAAQMD 2-1-123.3.1
189	Tank 301	BAAQMD 2-1-123.3.1
190	Tank 302	BAAQMD 2-1-123.3.1
191	Tank 303	BAAQMD 2-1-123.3.3
192	Tank 304	BAAQMD 2-1-123.3.3
202	Tank 521	BAAQMD 2-1-123.3.6
204	Tank 528	BAAQMD 2-1-123.3.2
205	Tank 529	BAAQMD 2-1-123.3.2
206	Tank 530	BAAQMD 2-1-123.3.4
207	Tank 531	BAAQMD 2-1-123.3.6
209	Tank 674	BAAQMD 2-1-123.3.2
224	Tank 746	BAAQMD 2-1-123.3.4

Table II C – Sources Exempt from Permit Requirements

S-#	Description	Basis for Exemption
225	Tank 747	BAAQMD 2-1-123.3.4
226	Tank 748	BAAQMD 2-1-123.3.6
227	Tank 749	BAAQMD 2-1-123.3.6
228	Tank 750	BAAQMD 2-1-123.3.6
229	Tank 751	BAAQMD 2-1-123.3.6
230	Tank 752	BAAQMD 2-1-123.3.6
231	Tank 753	BAAQMD 2-1-123.3.4
236	Tank 770	BAAQMD 2-1-123.3.4
237	Tank 771	BAAQMD 2-1-123.3.4
240	Tank 774	BAAQMD 2-1-123.3.4
241	Tank 775	BAAQMD 2-1-123.3.4
253	Tank 833	BAAQMD 2-1-123.3.1
260	Tank 1009	BAAQMD 2-1-123.3.2, BAAQMD 2-1-123.3.3
262	Tank 1011	BAAQMD 2-1-123.3.3
263	Tank 1012	BAAQMD 2-1-123.3.3
266	Tank 1345	BAAQMD 2-1-123.3.4
267	Tank 1346	BAAQMD 2-1-123.3.4
286	Tank F3	BAAQMD 2-1-123.3.3
287	Tank F10	BAAQMD 2-1-123.3.4
293	Tank F805	BAAQMD 2-1-123.3.3
427	Marine Loading Berth B2	BAAQMD 2-1-123.3.2, BAAQMD 2-1-123.3.3
428	Marine Loading Berth B3	BAAQMD 2-1-123.3.2, BAAQMD 2-1-123.3.3
429	Marine Loading Berth B4	BAAQMD 2-1-123.3.2, BAAQMD 2-1-123.3.3

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 (6/28/99)	Y - note 1
BAAQMD Regulation 2, Rule 1	General Requirements (8/01/01)	N
SIP Regulation 2, Rule 1	General Requirements (1/26/99)	Y - note 1
BAAQMD Regulation 2, Rule 2	New Source Review (5/17/00)	N
SIP Regulation 2, Rule 2	New Source Review (1/26/99)	Y - note 1
BAAQMD Regulation 2, Rule 4	Emissions Banking (5/17/00)	N
SIP Regulation 2, Rule 4	Emissions Banking (1/26/99)	Y - note 1
BAAQMD Regulation 2, Rule 6	Major Facility Review (5/2/01)	N

III. Generally Applicable Requirements

Table III
Generally Applicable Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)
SIP Regulation 2, Rule 6	Major Facility Review (6/23/95)	Y - note 1
BAAQMD Regulation 2, Rule 9	IERCs (4/7/99)	N
BAAQMD Regulation 3	Fees (6/5/02)	N
SIP Regulation 3	Fees (5/3/84)	Y - note 1
BAAQMD Regulation 4	Air Pollution Episode Plan (3/20/91)	N
SIP Regulation 4	Air Pollution Episode Plan (8/06/90)	Y - note 1
BAAQMD Regulation 5	Open Burning (11/2/94)	N
SIP Regulation 5	Open Burning (9/4/98)	Y - note 1
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 (06/15/94)	Y
BAAQMD Regulation 8, Rule 3	Organic Compounds - Architectural Coatings (11/21/01)	Y
SIP Regulation 8, Rule 3	Organic Compounds - Architectural Coatings (2/18/98)	Y - note 1
SIP Regulation 8, Rule 10	Organic Compounds – Pressure Vessel Depressurization (7/20/83)	Y
BAAQMD Regulation 8, Rule 40	Organic Compounds – Aeration of Contaminated Soil and Removal of Underground Storage Tanks (12/15/99)	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 – note 1
BAAQMD Regulation 8, Rule 51	Organic Compounds - Adhesive and Sealant Products (7/17/02)	N
BAAQMD Regulation 8, Rule 51	Organic Compounds - Adhesive and Sealant Products (2/26/02)	Y - note 1
BAAQMD Regulation 11, Rule 10	Hazardous Pollutants – Hexavalent Chromium Emissions from Cooling Towers (11/15/99)	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)	Y - note 1
Notification Requirement – Process Unit Startup and Shutdown	Notification Requirement – Process Unit Startup and Shutdown (Permit Section VI)	N
EPA Regulation 40 CFR 82	Protection of Stratospheric Ozone (2/21/95)	Y
Subpart F, 40 CFR 82.156	Leak Repair	Y

III. Generally Applicable Requirements

Table III
Generally Applicable Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)
Subpart F, 40 CFR 82.161	Certification of Technicians	Y
Subpart F, 40 CFR 82.166	Records of Refrigerant	Y
Subpart H, 40 CFR 82.270(b)	Prohibitions, Halon	Y
Subpart M, 40 CFR 61	Asbestos Demolition and Renovation	Y

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

IV. SOURCE-SPECIFIC APPLICABLE REQUIREMENTS

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.

Table IV – All Sources
Facility-Specific Generally Applicable Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 1	**General Provisions and Definitions (5/02/01)**		
1-301	Public Nuisance Prohibition	N	
1-107	Combination of Emissions	Y	
1-510	Area Monitoring	Y	
1-521	Monitoring May Be Required	Y	
1-523	Parametric Monitoring and Recordkeeping Procedures	N	
1-530	Area Monitoring Downtime	Y	
1-540	Area Monitoring Date Examination	Y	
1-542	Area Concentration Excesses	Y	
1-543	Record Maintenance for Two Years	Y	
SIP Regulation 1	**General Provisions and Definitions (6/28/99)**		
1-523	Parametric Monitoring and Recordkeeping Procedures	Y-note 1	
1-544	Monthly Summary	Y	

IV. Source Specific Applicable Requirements

Table IV – All Sources
Facility-Specific Generally Applicable Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 2, Rule 1	**General Requirements (8/1/01)**		
2-1-429	Federal Emissions Statement	Y	
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particle Weight Limitation	Y	
6-310.3	Heat transfer operations	Y	
6-311	Process Weight Rate Limits	Y	
6-401	Appearance of Emissions	Y	
District Regulation 8, Rule 2	**Organic Compounds, Miscellaneous Operations**		
8-2-301	Miscellaneous Operations: emissions shall not exceed 15 lb/day and 300 ppm total carbon on a dry basis	Y	
BAAQMD Regulation 8, Rule 4	**General Solvent and Surface Coating Operations (05/15/96)**		
8-4-302	Solvent and Surface Coating Operations	N	
8-4-312	Solvent Evaporative Loss Minimization	N	
8-4-501	Recordkeeping Requirements	Y	
SIP Regulation 8, Rule 4	**General Solvent and Surface Coating Operations (12/23/97)**		
8-4-302	Solvent and Surface Coating Operations	Y-note 1	
BAAQMD Regulation 8, Rule 5	**Storage of Organic Liquids (11/27/02)**		
8-5-328	Tank Degassing Requirements	Y	
8-5-328.1.2	Tank Degassing Requirements, Approved Emission Control System	Y	
8-5-404	Certification	Y	
8-5-502	Tank Cleaning Annual Source Test Requirements	Y	
8-5-603	Determination of Emissions	Y	

IV. Source Specific Applicable Requirements

Table IV – All Sources
Facility-Specific Generally Applicable Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-5-603.2	Tank degassing equipment	Y	
BAAQMD Regulation 8, Rule 15	**Emulsified and Liquid Asphalts (09/16/87)**		
8-15-305	Prohibition of Manufacturer and Sale	Y	
8-15-501	Manufacturing Records	Y	
BAAQMD Regulation 8, Rule 40	**Aeration of Contaminated Soil and Removal of Underground Storage Tanks (12/15/01)**		
8-40-116	Exemption, Small Volume	Y	
8-40-205	Contaminated Soil	Y	
8-40-306	Contaminated Soil – Excavation and Removal	Y	
8-40-601	Contaminated Soil Sampling	Y	
8-40-604	Measurement of Organic Concentration	Y	
BAAQMD Regulation 9, Rule 1	**Inorganic Gaseous Pollutants – Sulfur Dioxide (3/15/95)**		
9-1-110	Conditional Exemption, Area Monitoring	Y	
9-1-110.1	comply with monitoring, records and reporting requirements of 1-1-510, 1-1-530, 1-1-540, 1-1-542, 1-1-543, 1-1-544	Y	
9-1-110.2	comply with 9-1-301 ground level SO2 concentration limits	Y	
9-1-301	Limitations on Ground level Concentrations	Y	
9-1-302	General Emission Limitation (applicable if monitoring required in 9-110 fails)	Y	
9-1-313	Sulfur Removal Operations at Petroleum Refineries (processing more than 20,000 bbl/day of crude oil)	Y	
9-1-313.2	Install a sulfur recovery plant	N	
9-1-501	Area Monitoring Requirements (Regulations 1-510, 1-530, 1-540, 1-542, 1-543, 1-544)	Y	
9-1-502	Emission Monitoring Requirements (Regulations 1-520, 1-522)	Y	
9-1-604	Ground Level Monitoring	Y	
SIP Regulation 9, Rule 1	**Inorganic Gaseous Pollutants – Sulfur Dioxide (6/8/99) [only provisions which are different than current BAAQMD regulation are listed]**		

IV. Source Specific Applicable Requirements

Table IV – All Sources
Facility-Specific Generally Applicable Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
9-1-313.2	Operation of a sulfur removal and recovery system that removes and recovers: 95% of H2S from refinery fuel gas, 95% of H2S and ammonia from process water streams	Y	
BAAQMD Regulation 9, Rule 2	**Inorganic Gaseous Pollutants- Hydrogen Sulfide (10/6/99)**		
9-2-301	Limitations on Ground Level Concentrations	N	
9-2-501	Area Monitoring Requirements (Regulations 1-510, 1-530, 1-540, 1-542, 1-543, 1-544)	N	
9-2-601	Ground Level Monitoring	N	
BAAQMD Regulation 11, Rule 2	**Asbestos Demolition, Renovation and Manufacturing (10/07/98)**		
11-2-301	Prohibited Operations	N	
11-2-302	Visible Emissions	N	
11-2-303	Demolition, Renovation, and Removal	N	
11-2-304	Waste Disposal	N	
11-2-305	Waste Disposal Sites	N	
11-2-501	Temperature Records	N	
11-2-502	Waste Shipment Records	N	
11-2-503	Active Waste Disposal Records	N	
11-2-504	Conversion Operations	N	
NSPS 40 CFR 60 Subpart A	**New Source Performance Standards – General Provisions (12/23/71)**		
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	

IV. Source Specific Applicable Requirements

Table IV – All Sources
Facility-Specific Generally Applicable Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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	
NESHAP 40 CFR 61 Subpart A	**National Emission Standards for Hazardous Air Pollutants - General Provisions (3/16/95)**		
61.1	List of pollutants and applicability	Y	
61.2	Definitions	Y	
61.3	Units and abbreviations	Y	
61.4	Address	Y	
61.5	Prohibited activities	Y	
61.6	Determination of construction or modification	Y	
61.7	Application for approval of construction or modification	Y	
61.8	Approval of construction or modification	Y	
61.9	Notification of startup	Y	
61.10	Source reporting and waiver request	Y	
61.11	Waiver of compliance	Y	
61.12	Compliance with standards and maintenance requirements	Y	
61.13	Emission tests and waiver of emission tests	Y	
61.14	Monitoring requirements	Y	
61.15	Modifications	Y	
61.16	Availability of information	Y	
61.17	State Authority	Y	
61.18	Incorporations by reference	Y	
61.19	Circumvention	Y	

IV. Source Specific Applicable Requirements

Table IV – All Sources
Facility-Specific Generally Applicable Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
NESHAP Part 61 Subpart FF; BAAQMD Regulation 11, Rule 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(a)	Applicability	Y	
61.340(c)	Applicability: Exempt Waste	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	
61.355	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	
BAAQMD Regulation 11-12	Incorporates by reference 40 CFR 61 Subpart FF	Y	
NESHAP 40 CFR 63 Subpart A	**National Emission Standards for Hazardous Air Pollutants for Source Categories**	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	

IV. Source Specific Applicable Requirements

Table IV – All Sources
Facility-Specific Generally Applicable Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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	
63.15	**Availability of Information & Confidentiality**	**Y**	
NESHAP 40 CFR 63 Subpart B	**National Emission Standards for Hazardous Air Pollutants for Source Categories: General Provisions; and Requirements for Control Technology Determinations for Major Sources in Accordance with Clean Air Act Sections, Section 112(g) and 112(j); Final Rule**		
63.52	Approved process for new and existing affected sources.	Y	
63.52(a)	Sources subject to section 112(j) as of the section 112(j) deadline	Y	
63.52(a)(1)	Submit an application for Title V permit revision	Y	
63.52(e)	Permit application review	Y	
63.52(e)(1)	Submit a Part 2 MACT application meeting the requirements of 63.53(b) for Combustion Turbines	Y	12/29/03
63.52(e)(1)	Submit a Part 2 MACT application meeting the requirements of 63.53(b) for Site Remediation	Y	12/29/03
63.52(e)(1)	Submit a Part 2 MACT application meeting the requirements of 63.53(b) for Boilers and Process Heaters	Y	6/27/04
63.52(e)(1)	Submit a Part 2 MACT application meeting the requirements of 63.53(b) for Reciprocating Internal Combustion Engines	Y	6/27/04
63.52(h)	Enhanced monitoring	Y	
63.52(h)(i)	MACT emission limitations	Y	
63.52(h)(i)(1)	Compliance with all requirements applicable to affected sources, including compliance date for affected sources	Y	

IV. Source Specific Applicable Requirements

Table IV – All Sources
Facility-Specific Generally Applicable Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.53	Application content for case-by-case MACT determination	Y	
63.53(a)	Part 1 MACT application	Y	
63.53(b)	Part 2 MACT application	Y	
MACT 40 CFR 63 Subpart CC	**National Emissions Standards for Hazardous Air Pollutants from Petroleum Refineries (8/18/95)**		
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(f)	Applicability and Designation of Affected Sources	Y	
63.640(g)	Applicability and Designation of Affected Sources-Exempt processes	Y	
63.640(h)	Applicability and Designation of Affected Sources-Compliance dates	Y	
63.640(i)	Applicability and Designation of Affected Sources-New petroleum refining processes	Y	
63.640(j)	Applicability and Designation of Affected Sources-Changes to existing petroleum units	Y	
63.640(k)	Applicability and Designation of Affected Sources-Changes to existing petroleum units	Y	
63.640(l)	Applicability and Designation of Affected Sources-Additional requirements for new or changed sources	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	
63.642	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	

IV. Source Specific Applicable Requirements

Table IV – All Sources
Facility-Specific Generally Applicable Requirements

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

IV. Source Specific Applicable Requirements

Table IV – All Sources
Facility-Specific Generally Applicable Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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	
63.654	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	

IV. Source Specific Applicable Requirements

Table IV – All Sources
Facility-Specific Generally Applicable Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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	
BAAQMD Condition 20989, Part B	The owner/operator shall notify the District in writing by fax or email no less than three calendar days in advance of any scheduled startup or shutdown of any process unit and as soon as feasible for any unscheduled startup or shutdown of a process unit, but no later than 48 hours after the unscheduled startup/shutdown.	N	

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

IV. Source Specific Applicable Requirements

Table IV – A.1
Source-specific Applicable Requirements
S-2 – UNIT 229, B-301 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 1	**General Provisions and Definitions (5/2/01)**		
1-521	Monitoring May Be Required	Y	
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann #1 Limitation	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight 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 (7/17/02)**		
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	
9-10-303	Federal Facility-wide NOx emission rate limit	Y	
9-10-305	CO emission limit	Y	
9-10-502	Monitoring	Y	
9-10-502.1	CEMS for NOx, CO, and O2, or equivalent monitoring	Y	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	Y	
9-10-504.1	Records	Y	
9-10-505	Reporting	Y	
9-10-601	Determination of NOx	Y	
9-10-602	Determination of CO and Stack Gas O2	Y	
9-10-603	Compliance Determination	Y	
BAAQMD Condition 1694			
Part A.1	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	N	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	

IV. Source Specific Applicable Requirements

Table IV – A.1
Source-specific Applicable Requirements
S-2 – UNIT 229, B-301 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-409.2]	Y	
Part F.2	Annual fuel firing limit at S-2, S-3, S-4, S-5, S-7 [Basis: Cumulative Increase]	Y	
Part F.3	Monthly fuel firing records [Basis: Recordkeeping]	Y	

Table IV – A.2
Source-specific Applicable Requirements
S-3 – UNIT 230, B-201 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 1	**General Provisions and Definitions (5/2/01)**		
1-521	Monitoring May Be Required	Y	
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann #1 Limitation	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Regulation 9, Rule 10	**Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon Monoxide from Boilers, Steam Generators, and Process Heaters in Petroleum Refineries (7/17/02)**		
9-10-110.5	Exemptions: Fired on non-gaseous fuel when natural gas is unavailable for use	Y	
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	
9-10-303	Federal Facility-wide NOx emission rate limit	Y	
9-10-305	CO emission limit	Y	
9-10-502	Monitoring	Y	

IV. Source Specific Applicable Requirements

Table IV – A.2
Source-specific Applicable Requirements
S-3 – UNIT 230, B-201 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
9-10-502.1	CEMS for NOx, CO, and O2, or equivalent monitoring	Y	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	Y	
9-10-504.1	Records	Y	
9-10-505	Reporting	Y	
9-10-601	Determination of NOx	Y	
9-10-602	Determination of CO and Stack Gas O2	Y	
9-10-603	Compliance Determination	Y	
BAAQMD Condition 1694			
Part A.1	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	N	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.2b	Visible emission monitoring for liquid-fired sources during tube cleaning [Basis: Regulation Regulation 2-6-409.2]	Y	4/1/04
Part A.2c	Visible emissions monitoring for liquid-fired sources [Basis: Regulation Regulation 2-6-409.2]	Y	4/1/04
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-409.2]	Y	
Part F.2	Annual fuel firing limit at S-2, S-3, S-4, S-5, S-7 [Basis: Cumulative Increase]	Y	
Part F.3	Monthly fuel firing records [Basis: Recordkeeping]	Y	

Table IV – A.3
Source-specific Applicable Requirements
S-4 – UNIT 231, B-101 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 1	**General Provisions and Definitions (5/2/01)**		

IV. Source Specific Applicable Requirements

Table IV – A.3
Source-specific Applicable Requirements
S-4 – UNIT 231, B-101 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
1-521	Monitoring May Be Required	Y	
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann #1 Limitation	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight 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 (7/17/02)**		
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	
9-10-303	Federal Facility-wide NOx emission rate limit	Y	
9-10-305	CO emission limit	Y	
9-10-502	Monitoring	Y	
9-10-502.1	CEMS for NOx, CO, and O2, or equivalent monitoring	Y	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	Y	
9-10-504.1	Records	Y	
9-10-505	Reporting	Y	
9-10-601	Determination of NOx	Y	
9-10-602	Determination of CO and Stack Gas O2	Y	
9-10-603	Compliance Determination	Y	
BAAQMD Condition 1694			
Part A.1	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	N	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-409.2]	Y	

IV. Source Specific Applicable Requirements

Table IV – A.3
Source-specific Applicable Requirements
S-4 – UNIT 231, B-101 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part F.2	Annual fuel firing limit at S-2, S-3, S-4, S-5, S-7 [Basis: Cumulative Increase]	Y	
Part F.3	Monthly fuel firing records [Basis: Recordkeeping]	Y	

Table IV – A.4
Source-specific Applicable Requirements
S-5 – UNIT 231, B-102 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 1	**General Provisions and Definitions (5/2/01)**		
1-521	Monitoring May Be Required	Y	
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann #1 Limitation	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight 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 (7/17/021/5/94)**		
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	
9-10-303	Federal Facility-wide NOx emission rate limit	Y	
9-10-305	CO emission limit	Y	
9-10-502	Monitoring	Y	
9-10-502.1	CEMS for NOx, CO, and O2, or equivalent monitoring	Y	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	Y	
9-10-504.1	Records	Y	
9-10-505	Reporting	Y	
9-10-601	Determination of NOx	Y	

IV. Source Specific Applicable Requirements

Table IV – A.4
Source-specific Applicable Requirements
S-5 – UNIT 231, B-102 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
9-10-602	Determination of CO and Stack Gas O2	Y	
9-10-603	Compliance Determination	Y	
BAAQMD Condition 1694			
Part A.1	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	N	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-409.2]	Y	
Part F.2	Annual fuel firing limit at S-2, S-3, S-4, S-5, S-7 [Basis: Cumulative Increase]	Y	
Part F.3	Monthly fuel firing records [Basis: Recordkeeping]	Y	

Table IV – A.5
Source-specific Applicable Requirements
S-7 – UNIT 231, B-103 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 1	**General Provisions and Definitions (5/2/01)**		
1-521	Monitoring May Be Required	Y	
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann #1 Limitation	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Regulation 9, Rule 10	**Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon Monoxide from Boilers, Steam Generators, and Process Heaters in Petroleum Refineries (7/17/02)**		

IV. Source Specific Applicable Requirements

Table IV – A.5
Source-specific Applicable Requirements
S-7 – UNIT 231, B-103 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
9-10-110.5	Exemptions: Fired on non-gaseous fuel when natural gas is unavailable for use	Y	
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	
9-10-303	Federal Facility-wide NOx emission rate limit	Y	
9-10-305	CO emission limit	Y	
9-10-502	Monitoring	Y	
9-10-502.1	CEMS for NOx, CO, and O2, or equivalent monitoring	Y	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	Y	
9-10-504.1	Records	Y	
9-10-505	Reporting	Y	
9-10-601	Determination of NOx	Y	
9-10-602	Determination of CO and Stack Gas O2	Y	
9-10-603	Compliance Determination	Y	
BAAQMD Condition 1694			
Part A.1	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	N	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.2b	Visible emission monitoring for liquid-fired sources during tube cleaning [Basis: Regulation Regulation 2-6-409.2]	Y	4/1/04
Part A.2c	Visible emissions monitoring for liquid-fired sources [Basis: Regulation Regulation 2-6-409.2]	Y	4/1/04
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-409.2]	Y	
Part F.2	Annual fuel firing limit at S-2, S-3, S-4, S-5, S-7 [Basis: Cumulative Increase]	Y	
Part F.3	Monthly fuel firing records [Basis: Recordkeeping]	Y	

IV. Source Specific Applicable Requirements

Table IV – A.6
Source-specific Applicable Requirements
S-8 – UNIT 240, B-1 BOILER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 1	**General Provisions and Definitions (5/2/01)**		
1-520	Continuous Emission Monitoring	Y	
1-520.1	NOx, O2 monitors for steam generators with capacity of 250 MM BTU/hr or more	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		
1-522.4	reporting of inoperative CEMs	Y	
1-522.5	CEM calibration requirements	Y	
1-522.6	CEM accuracy requirements	Y	
1-522.7	emission limit exceedance reporting requirements	N	
1-522.8	monitoring data submittal requirements	Y	
1-522.9	recordkeeping requirements	Y	
1-522.10	Regulation 1-521 monitors shall meet requirements specified by District	Y	
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 – note 1	
1-522.7	emission limit exceedance reporting requirements	Y - note 1	
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann #1 Limitation	Y	
6-304	Tube Cleaning	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation	Y	
BAAQMD Manual of Procedures, Volume V	**Continuous Emission Monitoring Policy and Procedures (1/20/82)**	N	
BAAQMD Regulation 9, Rule 10	**Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon Monoxide from Boilers, Steam Generators, and Process Heaters in Petroleum Refineries (7/17/02)**		

IV. Source Specific Applicable Requirements

Table IV – A.6
Source-specific Applicable Requirements
S-8 – UNIT 240, B-1 BOILER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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	
9-10-303	Federal Facility-wide NOx emission rate limit	Y	
9-10-305	CO emission limit	Y	
9-10-502	Monitoring	Y	
9-10-502.1	CEMS for NOx, CO, and O2 or equivalent monitoring	Y	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	Y	
9-10-504.1	Records	Y	
9-10-505	Reporting	Y	
9-10-601	Determination of NOx	Y	
9-10-602	Determination of CO and Stack Gas O2	Y	
9-10-603	Compliance Determination	Y	
BAAQMD Condition 1694			
Part A.1	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	N	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-409.2]	Y	
Part F.1	Annual fuel firing limit at S-8, S-9, S-10, S-11, S-12, S-13, S-14 [Basis: Cumulative Increase]	Y	
Part F.3	Monthly fuel firing records [Basis: Recordkeeping]	Y	

IV. Source Specific Applicable Requirements

Table IV – A.7
Source-specific Applicable Requirements
S-9 – UNIT 240, B-2 BOILER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 1	**General Provisions and Definitions (5/2/01)**		
1-521	Monitoring May Be Required	Y	
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann #1 Limitation	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight 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 (7/17/02)**		
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	
9-10-303	Federal Facility-wide NOx emission rate limit	Y	
9-10-305	CO emission limit	Y	
9-10-502	Monitoring	Y	
9-10-502.1	CEMS for NOx, CO, and O2, or equivalent monitoring	Y	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	Y	
9-10-504.1	Records	Y	
9-10-505	Reporting	Y	
9-10-601	Determination of NOx	Y	
9-10-602	Determination of CO and Stack Gas O2	Y	
9-10-603	Compliance Determination	Y	
BAAQMD Condition 1694			
Part A.1	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	N	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	

IV. Source Specific Applicable Requirements

Table IV – A.7
Source-specific Applicable Requirements
S-9 – UNIT 240, B-2 BOILER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-409.2]	Y	
Part F.1	Annual fuel firing limit at S-8, S-9, S-10, S-11, S-12, S-13, S-14 [Basis: Cumulative Increase]	Y	
Part F.3	Monthly fuel firing records [Basis: Recordkeeping]	Y	

Table IV – A.8
Source-specific Applicable Requirements
S-10 – UNIT 240, B-101 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 1	**General Provisions and Definitions (5/2/01)**		
1-520	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		
1-522.4	reporting of inoperative CEMs	Y	
1-522.5	CEM calibration requirements	Y	
1-522.6	CEM accuracy requirements	Y	
1-522.7	emission limit exceedance reporting requirements	N	
1-522.8	monitoring data submittal requirements	Y	
1-522.9	recordkeeping requirements	Y	
1-522.10	Regulation 1-521 monitors shall meet requirements specified by District	Y	
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 – note 1	
1-522.7	emission limit exceedance reporting requirements	Y - note 1	
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		

IV. Source Specific Applicable Requirements

Table IV – A.8
Source-specific Applicable Requirements
S-10 – UNIT 240, B-101 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
6-301	Ringelmann #1 Limitation	Y	
6-304	Tube Cleaning	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation	Y	
BAAQMD Manual of Procedures, Volume V	**Continuous Emission Monitoring Policy and Procedures (1/20/82)**	N	
BAAQMD Regulation 9, Rule 10	**Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon Monoxide from Boilers, Steam Generators, and Process Heaters in Petroleum Refineries (7/17/02)**		
9-10-301	Emission Limit for Facility, NOx: 0.033 lb NOx/MMBTU	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	
9-10-303	Federal Facility-wide NOx emission rate limit	Y	
9-10-305	CO emission limit	Y	
9-10-502	Monitoring	Y	
9-10-502.1	CEMS for NOx, CO, and O2 or equivalent monitoring	Y	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	Y	
9-10-504.1	Records	Y	
9-10-505	Reporting	Y	
9-10-601	Determination of NOx	Y	
9-10-602	Determination of CO and Stack Gas O2	Y	
9-10-603	Compliance Determination	Y	
BAAQMD Condition 1694			
Part A.1	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	N	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	

IV. Source Specific Applicable Requirements

Table IV – A.8
Source-specific Applicable Requirements
S-10 – UNIT 240, B-101 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-409.2]	Y	
Part F.1	Annual fuel firing limit at S-8, S-9, S-10, S-11, S-12, S-13, S-14 [Basis: Cumulative Increase]	Y	
Part F.3	Monthly fuel firing records [Basis: Recordkeeping]	Y	

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

Table IV – A.9
Source-specific Applicable Requirements
S-11 – UNIT 240, B-201 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 1	**General Provisions and Definitions (5/2/01)**		
1-521	Monitoring May Be Required	Y	
2-1-403	Permit conditions requiring measurement of emissions	Y – note 1	
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann #1 Limitation	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight 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 (7/17/02)**		
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	
9-10-303	Federal Facility-wide NOx emission rate limit	Y	
9-10-305	CO emission limit	Y	
9-10-502	Monitoring	Y	

IV. Source Specific Applicable Requirements

Table IV – A.9
Source-specific Applicable Requirements
S-11 – UNIT 240, B-201 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
9-10-502.1	CEMS for NOx, CO, and O2, or equivalent monitoring	Y	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	Y	
9-10-504.1	Records	Y	
9-10-505	Reporting	Y	
9-10-601	Determination of NOx	Y	
9-10-602	Determination of CO and Stack Gas O2	Y	
9-10-603	Compliance Determination	Y	
BAAQMD Condition 1694			
Part A.1	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	N	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-409.2]	Y	
Part F.1	Annual fuel firing limit at S-8, S-9, S-10, S-11, S-12, S-13, S-14 [Basis: Cumulative Increase]	Y	
Part F.3	Monthly fuel firing records [Basis: Recordkeeping]	Y	

Table IV – A.10
Source-specific Applicable Requirements
S-12 – UNIT 240, B-202 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 1	**General Provisions and Definitions (5/2/01)**		
1-521	Monitoring May Be Required	Y	
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann #1 Limitation	Y	

IV. Source Specific Applicable Requirements

Table IV – A.10
Source-specific Applicable Requirements
S-12 – UNIT 240, B-202 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
6-305	Visible Particles	Y	
6-310.3	Particulate Weight 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 (7/17/02)**		
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	
9-10-303	Federal Facility-wide NOx emission rate limit	Y	
9-10-305	CO emission limit	Y	
9-10-502	Monitoring	Y	
9-10-502.1	CEMS for NOx, CO, and O2, or equivalent monitoring	Y	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	Y	
9-10-504.1	Records	Y	
9-10-505	Reporting	Y	
9-10-601	Determination of NOx	Y	
9-10-602	Determination of CO and Stack Gas O2	Y	
9-10-603	Compliance Determination	Y	
BAAQMD Condition 1694			
Part A.1	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	N	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-409.2]	Y	
Part F.1	Annual fuel firing limit at S-8, S-9, S-10, S-11, S-12, S-13, S-14 [Basis: Cumulative Increase]	Y	
Part F.3	Monthly fuel firing records [Basis: Recordkeeping]	Y	

IV. Source Specific Applicable Requirements

Table IV – A.11
Source-specific Applicable Requirements
S-13 – UNIT 240, B-301 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 1	**General Provisions and Definitions (5/2/01)**		
1-520	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	
1-522.4	reporting of inoperative CEMs	Y	
1-522.5	CEM calibration requirements	Y	
1-522.6	CEM accuracy requirements	Y	
1-522.7	emission limit exceedance reporting requirements	N	
1-522.8	monitoring data submittal requirements	Y	
1-522.9	recordkeeping requirements	Y	
1-522.10	Regulation 1-521 monitors shall meet requirements specified by District	Y	
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 – note 1	
1-522.7	emission limit exceedance reporting requirements	Y - note 1	
BAAQMD Regulation 2, Rule 1	**Regulation 2, Rule 1 - Permits, General Requirements (5/2/01; SIP approved 1/26/99 {adopted 11/01/89})**		
2-1-403	Permit conditions requiring measurement of emissions	N	
2-1-501	Monitors shall comply with Volume V of the Manual of Procedures	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 requiring measurement of emissions	Y – note 1	
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann #1 Limitation	Y	
6-304	Tube Cleaning	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation	Y	

IV. Source Specific Applicable Requirements

Table IV – A.11
Source-specific Applicable Requirements
S-13 – UNIT 240, B-301 HEATER

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)**	N	
BAAQMD Regulation 9, Rule 10	**Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon Monoxide from Boilers, Steam Generators, and Process Heaters in Petroleum Refineries (7/17/02)**		
9-10-301	Emission Limit for Facility, NOx: 0.033 lb NOx/MMBTU	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	
9-10-303	Federal Facility-wide NOx emission rate limit	Y	
9-10-305	CO emission limit	Y	
9-10-502	Monitoring	Y	
9-10-502.1	CEMS for NOx, CO, and O2 or equivalent monitoring	Y	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	Y	
9-10-504.1	Records	Y	
9-10-505	Reporting	Y	
9-10-601	Determination of NOx	Y	
9-10-602	Determination of CO and Stack Gas O2	Y	
9-10-603	Compliance Determination	Y	
BAAQMD Condition 1694			
Part A.1	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	N	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-409.2]	Y	
Part F.1	Annual fuel firing limit at S-8, S-9, S-10, S-11, S-12, S-13, S-14 [Basis: Cumulative Increase]	Y	

IV. Source Specific Applicable Requirements

Table IV – A.11
Source-specific Applicable Requirements
S-13 – UNIT 240, B-301 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part F.3	Monthly fuel firing records [Basis: Recordkeeping]	Y	

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

Table IV – A.12
Source-specific Applicable Requirements
S-14 – UNIT 240, B-401 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 1	**General Provisions and Definitions (5/2/01)**		
1-520	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	
1-522.4	reporting of inoperative CEMs	Y	
1-522.5	CEM calibration requirements	Y	
1-522.6	CEM accuracy requirements	Y	
1-522.7	emission limit exceedance reporting requirements	N	
1-522.8	monitoring data submittal requirements	Y	
1-522.9	recordkeeping requirements	Y	
1-522.10	Regulation 1-521 monitors shall meet requirements specified by District	Y	
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 – note 1	
1-522.7	emission limit exceedance reporting requirements	Y - note 1	
BAAQMD Regulation 2, Rule 1	**Regulation 2, Rule 1 - Permits, General Requirements (5/2/01; SIP approved 1/26/99 {adopted 11/01/89})**		
2-1-403	Permit conditions requiring measurement of emissions	N	

IV. Source Specific Applicable Requirements

Table IV – A.12
Source-specific Applicable Requirements
S-14 – UNIT 240, B-401 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
2-1-501	Monitors shall comply with Volume V of the Manual of Procedures	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 requiring measurement of emissions	Y – note 1	
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann #1 Limitation	Y	
6-304	Tube Cleaning	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation	Y	
BAAQMD Manual of Procedures, Volume V	**Continuous Emission Monitoring Policy and Procedures (1/20/82)**	N	
BAAQMD Regulation 9, Rule 10	**Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon Monoxide from Boilers, Steam Generators, and Process Heaters in Petroleum Refineries (7/17/02)**		
9-10-301	Emission Limit for Facility, NOx: 0.033 lb NOx/MMBTU	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	
9-10-303	Federal Facility-wide NOx emission rate limit	Y	
9-10-305	CO emission limit	Y	
9-10-502	Monitoring	Y	
9-10-502.1	CEMS for NOx, CO, and O2 or equivalent monitoring	Y	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	Y	
9-10-504.1	Records	Y	
9-10-505	Reporting	Y	
9-10-601	Determination of NOx	Y	
9-10-602	Determination of CO and Stack Gas O2	Y	
9-10-603	Compliance Determination	Y	
BAAQMD			

IV. Source Specific Applicable Requirements

Table IV – A.12
Source-specific Applicable Requirements
S-14 – UNIT 240, B-401 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Condition 1694			
Part A.1	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	N	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-409.2]	Y	
Part F.1	Annual fuel firing limit at S-8, S-9, S-10, S-11, S-12, S-13, S-14 [Basis: Cumulative Increase]	Y	
Part F.3	Monthly fuel firing records [Basis: Recordkeeping]	Y	

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

Table IV – A.13
Source-specific Applicable Requirements
S-15 – UNIT 244, B-501 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 1	**General Provisions and Definitions (5/2/01)**		
1-107	Combination of Emissions	Y	
1-520	Continuous Emission Monitoring	Y	
1-520.8	Monitors pursuant to Regulation 2-1-403	Y	
1-521	Monitoring May Be Required	Y	
1-522	Continuous Emission Monitoring and Recordkeeping Procedures	N	
1-522.4	reporting of inoperative CEMs	Y	
1-522.5	CEM calibration requirements	Y	
1-522.6	CEM accuracy requirements	Y	
1-522.7	emission limit exceedance reporting requirements	N	
1-522.8	monitoring data submittal requirements	Y	

IV. Source Specific Applicable Requirements

Table IV – A.13
Source-specific Applicable Requirements
S-15 – UNIT 244, B-501 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
1-522.9	recordkeeping requirements	Y	
1-522.10	Regulation 1-521 monitors shall meet requirements specified by District	Y	
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 – note 1	
1-522.7	emission limit exceedance reporting requirements	Y - note 1	
BAAQMD Regulation 2, Rule 1	**Regulation 2, Rule 1 - Permits, General Requirements (5/2/01; SIP approved 1/26/99 {adopted 11/01/89})**		
2-1-403	Permit conditions requiring measurement of emissions	N	
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 requiring measurement of emissions	Y – note 1	
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann #1 Limitation	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation	Y	
BAAQMD Manual of Procedures, Volume V	**Continuous Emission Monitoring Policy and Procedures (1/20/82)**	N	
BAAQMD Regulation 9, Rule 10	**Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon Monoxide from Boilers, Steam Generators, and Process Heaters in Petroleum Refineries (7/17/02)**		
9-10-301	Emission Limit for Facility, NOx: 0.033 lb NOx/MMBTU	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	
9-10-303	Federal Facility-wide NOx emission rate limit	Y	
9-10-305	CO emission limit	Y	
9-10-502	Monitoring	Y	

IV. Source Specific Applicable Requirements

Table IV – A.13
Source-specific Applicable Requirements
S-15 – UNIT 244, B-501 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
9-10-502.1	CEMS for NOx, CO, and O2, or equivalent monitoring	Y	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	Y	
9-10-504.1	Records	Y	
9-10-505	Reporting	Y	
9-10-601	Determination of NOx	Y	
9-10-602	Determination of CO and Stack Gas O2	Y	
9-10-603	Compliance Determination	Y	
BAAQMD Condition 1694			
Part A.1	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	N	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-409.2]	Y	
BAAQMD Condition 20989, Part A	Throughput limit for S-15	Y	

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

Table IV – A.14
Source-specific Applicable Requirements
S-16 – UNIT 244, B-502 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 1	**General Provisions and Definitions (5/2/01)**		

IV. Source Specific Applicable Requirements

Table IV – A.14
Source-specific Applicable Requirements
S-16 – UNIT 244, B-502 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
1-107	Combination of Emissions	Y	
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	
1-522.4	reporting of inoperative CEMs	Y	
1-522.5	CEM calibration requirements	Y	
1-522.6	CEM accuracy requirements	Y	
1-522.7	emission limit exceedance reporting requirements	N	
1-522.8	monitoring data submittal requirements	Y	
1-522.9	recordkeeping requirements	Y	
1-522.10	Regulation 1-521 monitors shall meet requirements specified by District	Y	
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 – note 1	
1-522.7	emission limit exceedance reporting requirements	Y - note 1	
BAAQMD Regulation 2, Rule 1	**Regulation 2, Rule 1 - Permits, General Requirements (5/2/01; SIP approved 1/26/99 {adopted 11/01/89})**		
2-1-403	Permit conditions requiring measurement of emissions	N	
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 requiring measurement of emissions	Y – note 1	
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann #1 Limitation	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation	Y	
BAAQMD Manual of Procedures,	**Continuous Emission Monitoring Policy and Procedures (1/20/82)**	N	

IV. Source Specific Applicable Requirements

Table IV – A.14
Source-specific Applicable Requirements
S-16 – UNIT 244, B-502 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Volume V			
BAAQMD Regulation 9, Rule 10	**Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon Monoxide from Boilers, Steam Generators, and Process Heaters in Petroleum Refineries (7/17/02)**		
9-10-301	Emission Limit for Facility, NOx: 0.033 lb NOx/MMBTU	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	
9-10-303	Federal Facility-wide NOx emission rate limit	Y	
9-10-305	CO emission limit	Y	
9-10-502	Monitoring	Y	
9-10-502.1	CEMS for NOx, CO, and O2, or equivalent monitoring	Y	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	Y	
9-10-504.1	Records	Y	
9-10-505	Reporting	Y	
9-10-601	Determination of NOx	Y	
9-10-602	Determination of CO and Stack Gas O2	Y	
9-10-603	Compliance Determination	Y	
BAAQMD Condition 1694			
Part A.1	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	N	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-409.2]	Y	
BAAQMD Condition 20989, Part A	Throughput limits for S-16	Y	

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

IV. Source Specific Applicable Requirements

regulation.

Table IV – A.15
Source-specific Applicable Requirements
S-17 – UNIT 244, B-503 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 1	**General Provisions and Definitions (5/2/01)**		
1-107	Combination of Emissions	Y	
1-520	Continuous Emission Monitoring	Y	
1-520.8	Monitors pursuant to Regulation 2-1-403	Y	
1-521	Monitoring May Be Required	Y	
1-522	Continuous Emission Monitoring and Recordkeeping Procedures	N	
1-522.4	reporting of inoperative CEMs	Y	
1-522.5	CEM calibration requirements	Y	
1-522.6	CEM accuracy requirements	Y	
1-522.7	emission limit exceedance reporting requirements	N	
1-522.8	monitoring data submittal requirements	Y	
1-522.9	recordkeeping requirements	Y	
1-522.10	Regulation 1-521 monitors shall meet requirements specified by District	Y	
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 – note 1	
1-522.7	emission limit exceedance reporting requirements	Y - note 1	
BAAQMD Regulation 2, Rule 1	**Regulation 2, Rule 1 - Permits, General Requirements (5/2/01; SIP approved 1/26/99 {adopted 11/01/89})**		
2-1-403	Permit conditions requiring measurement of emissions	N	
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 requiring measurement of emissions	Y – note 1	
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann #1 Limitation	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation	Y	

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Table IV – A.15
Source-specific Applicable Requirements
S-17 – UNIT 244, B-503 HEATER

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)**	N	
BAAQMD Regulation 9, Rule 10	**Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon Monoxide from Boilers, Steam Generators, and Process Heaters in Petroleum Refineries (7/17/02)**		
9-10-301	Emission Limit for Facility, NOx: 0.033 lb NOx/MMBTU	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	
9-10-303	Federal Facility-wide NOx emission rate limit	Y	
9-10-305	CO emission limit	Y	
9-10-502	Monitoring	Y	
9-10-502.1	CEMS for NOx, CO, and O2, or equivalent monitoring	Y	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	Y	
9-10-504.1	Records	Y	
9-10-505	Reporting	Y	
9-10-601	Determination of NOx	Y	
9-10-602	Determination of CO and Stack Gas O2	Y	
9-10-603	Compliance Determination	Y	
BAAQMD Condition 1694			
Part A.1	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	N	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-409.2]	Y	
BAAQMD	Throughput limits for S-17	Y	

IV. Source Specific Applicable Requirements

Table IV – A.15
Source-specific Applicable Requirements
S-17 – UNIT 244, B-503 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Condition 20989, Part A			

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

Table IV – A.16
Source-specific Applicable Requirements
S-18 – UNIT 244, B-504 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 1	**General Provisions and Definitions (5/2/01)**		
1-107	Combination of Emissions	Y	
1-520	Continuous Emission Monitoring	Y	
1-520.8	Monitors pursuant to Regulation 2-1-403	Y	
1-521	Monitoring May Be Required	Y	
1-522	Continuous Emission Monitoring and Recordkeeping Procedures	N	
1-522.4	reporting of inoperative CEMs	Y	
1-522.5	CEM calibration requirements	Y	
1-522.6	CEM accuracy requirements	Y	
1-522.7	emission limit exceedance reporting requirements	N	
1-522.8	monitoring data submittal requirements	Y	
1-522.9	recordkeeping requirements	Y	
1-522.10	Regulation 1-521 monitors shall meet requirements specified by District	Y	
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 – note 1	
1-522.7	emission limit exceedance reporting requirements	Y - note 1	
BAAQMD Regulation 2,	**Regulation 2, Rule 1 - Permits, General Requirements (5/2/01; SIP approved 1/26/99 {adopted 11/01/89})**		

IV. Source Specific Applicable Requirements

Table IV – A.16
Source-specific Applicable Requirements
S-18 – UNIT 244, B-504 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Rule 1			
2-1-403	Permit conditions requiring measurement of emissions	N	
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 requiring measurement of emissions	Y – note 1	
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann #1 Limitation	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation	Y	
BAAQMD Manual of Procedures, Volume V	**Continuous Emission Monitoring Policy and Procedures (1/20/82)**	N	
BAAQMD Regulation 9, Rule 10	**Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon Monoxide from Boilers, Steam Generators, and Process Heaters in Petroleum Refineries (7/17/02)**		
9-10-301	Emission Limit for Facility, NOx: 0.033 lb NOx/MMBTU	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	
9-10-303	Federal Facility-wide NOx emission rate limit	Y	
9-10-305	CO emission limit	Y	
9-10-502	Monitoring	Y	
9-10-502.1	CEMS for NOx, CO, and O2, or equivalent monitoring	Y	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	Y	
9-10-504.1	Records	Y	
9-10-505	Reporting	Y	
9-10-601	Determination of NOx	Y	
9-10-602	Determination of CO and Stack Gas O2	Y	
9-10-603	Compliance Determination	Y	

IV. Source Specific Applicable Requirements

Table IV – A.16
Source-specific Applicable Requirements
S-18 – UNIT 244, B-504 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Condition 1694			
Part A.1	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	N	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-409.2]	Y	
BAAQMD Condition 20989, Part A	Throughput limits for S-18	Y	

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

Table IV – A.17
Source-specific Applicable Requirements
S-19 – UNIT 244, B-505 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 1	**General Provisions and Definitions (5/2/01)**		
1-107	Combination of Emissions	Y	
1-520	Continuous Emission Monitoring	Y	
1-520.8	Monitors pursuant to Regulation 2-1-403	Y	
1-521	Monitoring May Be Required	Y	
1-522	Continuous Emission Monitoring and Recordkeeping Procedures	N	
1-522.4	reporting of inoperative CEMs	Y	
1-522.5	CEM calibration requirements	Y	
1-522.6	CEM accuracy requirements	Y	
1-522.7	emission limit exceedance reporting requirements	N	

IV. Source Specific Applicable Requirements

Table IV – A.17
Source-specific Applicable Requirements
S-19 – UNIT 244, B-505 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
1-522.8	monitoring data submittal requirements	Y	
1-522.9	recordkeeping requirements	Y	
1-522.10	Regulation 1-521 monitors shall meet requirements specified by District	Y	
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 – note 1	
1-522.7	emission limit exceedance reporting requirements	Y - note 1	
BAAQMD Regulation 2, Rule 1	**Regulation 2, Rule 1 - Permits, General Requirements (5/2/01; SIP approved 1/26/99 {adopted 11/01/89})**		
2-1-403	Permit conditions requiring measurement of emissions	N	
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 requiring measurement of emissions	Y – note 1	
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann #1 Limitation	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation	Y	
BAAQMD Manual of Procedures, Volume V	**Continuous Emission Monitoring Policy and Procedures (1/20/82)**	N	
BAAQMD Regulation 9, Rule 10	**Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon Monoxide from Boilers, Steam Generators, and Process Heaters in Petroleum Refineries (7/17/02)**		
9-10-301	Emission Limit for Facility, NOx: 0.033 lb NOx/MMBTU	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	
9-10-303	Federal Facility-wide NOx emission rate limit	Y	

IV. Source Specific Applicable Requirements

Table IV – A.17
Source-specific Applicable Requirements
S-19 – UNIT 244, B-505 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
9-10-305	CO emission limit	Y	
9-10-502	Monitoring	Y	
9-10-502.1	CEMS for NOx, CO, and O2, or equivalent monitoring	Y	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	Y	
9-10-504.1	Records	Y	
9-10-505	Reporting	Y	
9-10-601	Determination of NOx	Y	
9-10-602	Determination of CO and Stack Gas O2	Y	
9-10-603	Compliance Determination	Y	
BAAQMD Condition 1694			
Part A.1	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	N	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-409.2]	Y	
BAAQMD Condition 20989, Part A	Throughput limits for S-19	Y	

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

Table IV – A.18
Source-specific Applicable Requirements
S-20 – UNIT 244, B-506 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD	**General Provisions and Definitions (5/2/01)**		

IV. Source Specific Applicable Requirements

Table IV – A.18
Source-specific Applicable Requirements
S-20 – UNIT 244, B-506 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Regulation 1			
1-521	Monitoring May Be Required	Y	
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann #1 Limitation	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight 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 (7/17/02)**		
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	
9-10-303	Federal Facility-wide NOx emission rate limit	Y	
9-10-305	CO emission limit	Y	
9-10-502	Monitoring	Y	
9-10-502.1	CEMS for NOx, CO, and O2, or equivalent monitoring	Y	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	Y	
9-10-504.1	Records	Y	
9-10-505	Reporting	Y	
9-10-601	Determination of NOx	Y	
9-10-602	Determination of CO and Stack Gas O2	Y	
9-10-603	Compliance Determination	Y	
BAAQMD Condition 1694			
Part A.1	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	N	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-	Y	

IV. Source Specific Applicable Requirements

Table IV – A.18
Source-specific Applicable Requirements
S-20 – UNIT 244, B-506 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	409.2]		
BAAQMD Condition 20989, Part A	Throughput limits for S-20	Y	

Table IV – A.19
Source-specific Applicable Requirements
S-21 – UNIT 244, B-507 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 1	**General Provisions and Definitions (5/2/01)**		
1-521	Monitoring May Be Required	Y	
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann #1 Limitation	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight 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 (7/17/02)**		
9-10-111	Limited Exemption: Small Units: Between 1 and 10 MMBTU/hr and capable of firing fuel other than natural gas or LPG	Y	
9-10-217	Definition: Small Unit: Between 1 and 10 MMBTU/hr and capable of firing fuel other than natural gas or LPG	Y	
9-10-306	Small Unit Requirments	Y	
9-10-306.2	Small Unit Requirments: Tune-up at least every 12 months, or within two weeks of start-up if not operated in the last 12 months	Y	
9-10-605	Tune-up Procedures	Y	
9-10-504	Recordkeeping	Y	
9-10-504.2	Records	Y	
9-10-505	Reporting	Y	
9-10-505.1	Excess Emission Reporting	Y	

IV. Source Specific Applicable Requirements

Table IV – A.19
Source-specific Applicable Requirements
S-21 – UNIT 244, B-507 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
9-10-505.2.2	Excess Emission Report Contents	Y	
BAAQMD Condition 1694			
Part A.1	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	N	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-409.2]	Y	
BAAQMD Condition 20989, Part A	Throughput limits for S-21	Y	

IV. Source Specific Applicable Requirements

Table IV – A.20
Source-specific Applicable Requirements
S-22 – UNIT 248, B-606 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 1	**General Provisions and Definitions (5/2/01)**		
1-521	Monitoring May Be Required	Y	
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann #1 Limitation	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight 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 (7/17/02)**		
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	
9-10-303	Federal Facility-wide NOx emission rate limit	Y	
9-10-305	CO emission limit	Y	
9-10-502	Monitoring	Y	
9-10-502.1	CEMS for NOx, CO, and O2, or equivalent monitoring	Y	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	Y	
9-10-504.1	Records	Y	
9-10-505	Reporting	Y	
9-10-601	Determination of NOx	Y	
9-10-602	Determination of CO and Stack Gas O2	Y	
9-10-603	Compliance Determination	Y	
BAAQMD Condition 1694			
Part A.1	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	N	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	

IV. Source Specific Applicable Requirements

Table IV – A.20
Source-specific Applicable Requirements
S-22 – UNIT 248, B-606 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-409.2]	Y	
BAAQMD Condition 20989, Part A	Throughput limits for S-22	Y	

Table IV – A.21
Source-specific Applicable Requirements
S-29 – UNIT 200, B-5 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 1	**General Provisions and Definitions (5/2/01)**		
1-521	Monitoring May Be Required	Y	
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann #1 Limitation	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight 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 (7/17/02)**		
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	
9-10-303	Federal Facility-wide NOx emission rate limit	Y	
9-10-305	CO emission limit	Y	
9-10-502	Monitoring	Y	
9-10-502.1	CEMS for NOx, CO, and O2, or equivalent monitoring	Y	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	Y	
9-10-504.1	Records	Y	

IV. Source Specific Applicable Requirements

Table IV – A.21
Source-specific Applicable Requirements
S-29 – UNIT 200, B-5 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
9-10-505	Reporting	Y	
9-10-601	Determination of NOx	Y	
9-10-602	Determination of CO and Stack Gas O2	Y	
9-10-603	Compliance Determination	Y	
BAAQMD Condition 1694			
Part A.1	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	N	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-409.2]	Y	
BAAQMD Condition 20989, Part A	Throughput limits for S-29	Y	

Table IV – A.22
Source-specific Applicable Requirements
S-30 – UNIT 200, B-101 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 1	**General Provisions and Definitions (5/2/01)**		
1-521	Monitoring May Be Required	Y	
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann #1 Limitation	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation	Y	
BAAQMD Regulation 9,	**Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon Monoxide from Boilers, Steam Generators, and Process Heaters**		

IV. Source Specific Applicable Requirements

Table IV – A.22
Source-specific Applicable Requirements
S-30 – UNIT 200, B-101 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Rule 10	**in Petroleum Refineries (7/17/02)**		
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	
9-10-303	Federal Facility-wide NOx emission rate limit	Y	
9-10-305	CO emission limit	Y	
9-10-502	Monitoring	Y	
9-10-502.1	CEMS for NOx, CO, and O2, or equivalent monitoring	Y	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	Y	
9-10-504.1	Records	Y	
9-10-505	Reporting	Y	
9-10-601	Determination of NOx	Y	
9-10-602	Determination of CO and Stack Gas O2	Y	
9-10-603	Compliance Determination	Y	
BAAQMD Condition 1694			
Part A.1	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	N	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-409.2]	Y	
BAAQMD Condition 20989, Part A	Throughput limits for S-30	Y	

IV. Source Specific Applicable Requirements

Table IV – A.23
Source-specific Applicable Requirements
S-31 – UNIT 200, B-501 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 1	**General Provisions and Definitions (5/2/01)**		
1-521	Monitoring May Be Required	Y	
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann #1 Limitation	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight 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 (7/17/02)**		
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	
9-10-303	Federal Facility-wide NOx emission rate limit	Y	
9-10-305	CO emission limit	Y	
9-10-502	Monitoring	Y	
9-10-502.1	CEMS for NOx, CO, and O2, or equivalent monitoring	Y	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	Y	
9-10-504.1	Records	Y	
9-10-505	Reporting	Y	
9-10-601	Determination of NOx	Y	
9-10-602	Determination of CO and Stack Gas O2	Y	
9-10-603	Compliance Determination	Y	
BAAQMD Condition 1694			
Part A.1	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	N	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	

IV. Source Specific Applicable Requirements

Table IV – A.23
Source-specific Applicable Requirements
S-31 – UNIT 200, B-501 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-409.2]	Y	
BAAQMD Condition 20989, Part A	Throughput limits for S-31	Y	

Table IV – A.24
Source-specific Applicable Requirements
S-43 – UNIT 200, B-202 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 1	**General Provisions and Definitions (5/2/01)**		
1-520	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	
1-522.4	reporting of inoperative CEMs	Y	
1-522.5	CEM calibration requirements	Y	
1-522.6	CEM accuracy requirements	Y	
1-522.7	emission limit exceedance reporting requirements	N	
1-522.8	monitoring data submittal requirements	Y	
1-522.9	recordkeeping requirements	Y	
1-522.10	Regulation 1-521 monitors shall meet requirements specified by District	Y	
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 – note 1	
1-522.7	emission limit exceedance reporting requirements	Y - note 1	
BAAQMD Regulation 2, Rule 1	**Regulation 2, Rule 1 - Permits, General Requirements (5/2/01; SIP approved 1/26/99 {adopted 11/01/89})**		

IV. Source Specific Applicable Requirements

Table IV – A.24
Source-specific Applicable Requirements
S-43 – UNIT 200, B-202 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
2-1-403	Permit conditions requiring measurement of emissions	N	
2-1-501	Monitors shall comply with Volume V of the Manual of Procedures	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 requiring measurement of emissions	Y – note 1	
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann #1 Limitation	Y	
6-304	Tube Cleaning	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation	Y	
BAAQMD Manual of Procedures, Volume V	**Continuous Emission Monitoring Policy and Procedures (1/20/82)**	N	
BAAQMD Regulation 9, Rule 10	**Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon Monoxide from Boilers, Steam Generators, and Process Heaters in Petroleum Refineries (7/17/02)**		
9-10-301	Emission Limit for Facility, NOx: 0.033 lb NOx/MMBTU	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	
9-10-303	Federal Facility-wide NOx emission rate limit	Y	
9-10-305	CO emission limit	Y	
9-10-502	Monitoring	Y	
9-10-502.1	CEMS for NOx, CO, and O2, or equivalent monitoring	Y	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	Y	
9-10-504.1	Records	Y	
9-10-505	Reporting	Y	
9-10-601	Determination of NOx	Y	
9-10-602	Determination of CO and Stack Gas O2	Y	
9-10-603	Compliance Determination	Y	

IV. Source Specific Applicable Requirements

Table IV – A.24
Source-specific Applicable Requirements
S-43 – UNIT 200, B-202 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
NSPS 40 CFR 60 Subpart J	**Standards of Performance for Petroleum Refineries (7/1/00)**		
60.100	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)(ii)	Excess H2S emission definitions for 60.7(c)	Y	
60.106(a)	Test methods and procedures	Y	
60.106(e)(1)	Method 11 shall be used to verify compliance with 60.104(a)(1)	Y	
NSPS 40 CFR 60 Appendix A	**Appendix A to Part 60 – Test Methods**	Y	
NSPS 40 CFR 60 Appendix B	**Performance Specifications**		
Performance Specification 7	H2S continuous emission monitoring systems	Y	
NSPS 40 CFR 60 Appendix F	**Quality Assurance Procedures**		
Procedure 1	QA requirements for gas continuous emission monitoring systems	Y	
BAAQMD Condition 1694			
Part A.1	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	N	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	

IV. Source Specific Applicable Requirements

Table IV – A.24
Source-specific Applicable Requirements
S-43 – UNIT 200, B-202 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-409.2]	Y	
Part D.1	S-43 abatement requirement [Basis: BACT, Cumulative Increase]	Y	
Part D.2	S-43, S-44 NOx emission limits [Basis: BACT, Cumulative Increase]	Y	
Part D.3	S-43, S-44 CO emission limits [Basis: BACT, Cumulative Increase]	Y	
BAAQMD Condition 20989, Part A	Throughput limits for source S-43	Y	

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

Table IV – A.25
Source-specific Applicable Requirements
S-44 – UNIT 200, B-201 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 1	**General Provisions and Definitions (5/2/01)**		
1-520	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	
1-522.4	reporting of inoperative CEMs	Y	
1-522.5	CEM calibration requirements	Y	
1-522.6	CEM accuracy requirements	Y	
1-522.7	emission limit exceedance reporting requirements	N	
1-522.8	monitoring data submittal requirements	Y	
1-522.9	recordkeeping requirements	Y	
1-522.10	Regulation 1-521 monitors shall meet requirements specified by District	Y	

IV. Source Specific Applicable Requirements

Table IV – A.25
Source-specific Applicable Requirements
S-44 – UNIT 200, B-201 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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 – note 1	
1-522.7	emission limit exceedance reporting requirements	Y - note 1	
BAAQMD Regulation 2, Rule 1	**Regulation 2, Rule 1 - Permits, General Requirements (5/2/01; SIP approved 1/26/99 {adopted 11/01/89})**		
2-1-403	Permit conditions requiring measurement of emissions	N	
2-1-501	Monitors shall comply with Volume V of the Manual of Procedures	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 requiring measurement of emissions	Y – note 1	
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann #1 Limitation	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation	Y	
BAAQMD Manual of Procedures, Volume V	**Continuous Emission Monitoring Policy and Procedures (1/20/82)**	N	
BAAQMD Regulation 9, Rule 10	**Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon Monoxide from Boilers, Steam Generators, and Process Heaters in Petroleum Refineries (7/17/02)**		
9-10-301	Emission Limit for Facility, NOx: 0.033 lb NOx/MMBTU	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	
9-10-303	Federal Facility-wide NOx emission rate limit	Y	
9-10-305	CO emission limit	Y	
9-10-502	Monitoring	Y	
9-10-502.1	CEMS for NOx, CO, and O2, or equivalent monitoring	Y	
9-10-502.2	Fuel flowmeters	Y	

IV. Source Specific Applicable Requirements

Table IV – A.25
Source-specific Applicable Requirements
S-44 – UNIT 200, B-201 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
9-10-504	Recordkeeping	Y	
9-10-504.1	Records	Y	
9-10-505	Reporting	Y	
9-10-601	Determination of NOx	Y	
9-10-602	Determination of CO and Stack Gas O2	Y	
9-10-603	Compliance Determination	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)(ii)	Excess H2S emission definitions for 60.7(c)	Y	
60.106(a)	Test methods and procedures	Y	
60.106(e)(1)	Method 11 shall be used to verify compliance with 60.104(a)(1)	Y	
NSPS 40 CFR 60 Appendix A	**Appendix A to Part 60 – Test Methods**	Y	
NSPS 40 CFR 60 Appendix B	**Performance Specifications**		
Performance Specification 7	H2S continuous emission monitoring systems	Y	
NSPS 40 CFR 60 Appendix F	**Quality Assurance Procedures**		
Procedure 1	QA requirements for gas continuous emission monitoring systems	Y	
BAAQMD Condition			

IV. Source Specific Applicable Requirements

Table IV – A.25
Source-specific Applicable Requirements
S-44 – UNIT 200, B-201 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
1694			
Part A.1	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	N	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-409.2]	Y	
Part D.2	S-43, S-44 NOx emission limits [Basis: BACT, Cumulative Increase]	Y	
Part D.3	S-43, S-44 CO emission limits [Basis: BACT, Cumulative Increase]	Y	
BAAQMD Condition 20989, Part A	Throughput limits for source S-44	Y	

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

Table IV – A.26
Source-specific Applicable Requirements
S-50, S-51, S-52 – TURBINE STARTUP ENGINES

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-303.1	Ringelmann #2 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Regulation 9, Rule 1	**Inorganic Gaseous Pollutants, Sulfur Dioxide Emissions Limitations (3/15/95)**		
9-1-304	Fuel Burning (Liquid and Solid fuels)	Y	

IV. Source Specific Applicable Requirements

Table IV – A.26
Source-specific Applicable Requirements
S-50, S-51, S-52 – TURBINE STARTUP ENGINES

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 9, Rule 8	**Nitrogen Oxides And Carbon Monoxide From Stationary Internal Combustion Engines (8/1/01)**		
9-8-111.1	Exemptions: Engines rated at or below 1000 brake horsepower which operate less than 200 hours in any 12-consecutive month period are only subject to recordkeeping	Y	
9-8-502	Recordkeeping	Y	
BAAQMD Condition 19488			
Part 1	100 hr/yr operating limit per engine [Basis: Cumulative increase]	Y	
Part 2	Operating hour records [Basis: Regulation 9-8-502]	Y	

Table IV – A.27
Source-specific Applicable Requirements
S-53, S-54, S-55, S-56, S-57, S-58, S-59 – EMERGENCY DIESEL ENGINES

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-303.1	Ringelmann #2 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Regulation 9, Rule 1	**Inorganic Gaseous Pollutants, Sulfur Dioxide Emissions Limitations (3/15/95)**		
9-1-304	Fuel Burning (Liquid and Solid fuels)	Y	
BAAQMD Regulation 9, Rule 8	**Nitrogen Oxides And Carbon Monoxide From Stationary Internal Combustion Engines (8/1/01)**		
9-8-330	Emergency Standby Engines, Hours of Operation	N	
9-8-530	Emergency standby engines, monitoring and recordkeeping	N	
BAAQMD			

IV. Source Specific Applicable Requirements

Table IV – A.27
Source-specific Applicable Requirements
S-53, S-54, S-55, S-56, S-57, S-58, S-59 – EMERGENCY DIESEL ENGINES

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Condition 19488			
Part 3	100 hr/yr operating limit per engine (non-emergency) [Basis: Regulation 9-8-330]	Y	
Part 6	Monitoring [Basis: Regulation 9-8-530]	Y	
Part 7	Operating hour records [Basis: Regulation 9-8-530]	Y	

Table IV – A.28
Source-specific Applicable Requirements
S-336 – UNIT 231, B-104 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 1	**General Provisions and Definitions (5/2/01)]**		
1-521	Monitoring May Be Required	Y	
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann #1 Limitation	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight 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 (7/17/02)**		
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	
9-10-303	Federal Facility-wide NOx emission rate limit	Y	
9-10-305	CO emission limit	Y	
9-10-502	Monitoring	Y	
9-10-502.1	CEMS for NOx, CO, and O2, or equivalent monitoring	Y	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	Y	

IV. Source Specific Applicable Requirements

Table IV – A.28
Source-specific Applicable Requirements
S-336 – UNIT 231, B-104 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
9-10-504.1	Records	Y	
9-10-505	Reporting	Y	
9-10-601	Determination of NOx	Y	
9-10-602	Determination of CO and Stack Gas O2	Y	
9-10-603	Compliance Determination	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)(ii)	Excess H2S emission definitions for 60.7(c)	Y	
60.106(a)	Test methods and procedures	Y	
60.106(e)(1)	Method 11 shall be used to verify compliance with 60.104(a)(1)	Y	
NSPS 40 CFR 60 Appendix A	**Appendix A to Part 60 – Test Methods**	Y	
BAAQMD Condition 1694			
Part A.1	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	N	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-409.2]	Y	
BAAQMD Condition	Throughput limits for source S-336	Y	

IV. Source Specific Applicable Requirements

Table IV – A.28
Source-specific Applicable Requirements
S-336 – UNIT 231, B-104 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
20989, Part A			

Table IV – A.29
Source-specific Applicable Requirements
S-337 – UNIT 231, B-105 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 1	**General Provisions and Definitions (5/2/01)]**		
1-521	Monitoring May Be Required	Y	
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann #1 Limitation	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight 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 (7/17/02)**		
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	
9-10-303	Federal Facility-wide NOx emission rate limit	Y	
9-10-305	CO emission limit	Y	
9-10-502	Monitoring	Y	
9-10-502.1	CEMS for NOx, CO, and O2, or equivalent monitoring	Y	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	Y	
9-10-504.1	Records	Y	
9-10-505	Reporting	Y	
9-10-601	Determination of NOx	Y	
9-10-602	Determination of CO and Stack Gas O2	Y	
9-10-603	Compliance Determination	Y	

IV. Source Specific Applicable Requirements

Table IV – A.29
Source-specific Applicable Requirements
S-337 – UNIT 231, B-105 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
NSPS 40 CFR 60 Subpart J	**Standards of Performance for Petroleum Refineries (7/1/00)**		
60.100	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)(ii)	Excess H2S emission definitions for 60.7(c)	Y	
60.106(a)	Test methods and procedures	Y	
60.106(e)(1)	Method 11 shall be used to verify compliance with 60.104(a)(1)	Y	
NSPS 40 CFR 60 Appendix A	**Appendix A to Part 60 – Test Methods**	Y	
BAAQMD Condition 1694			
Part A.1	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	N	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-409.2]	Y	
BAAQMD Condition 20989, Part A	Throughput limits for source S-337	Y	

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

IV. Source Specific Applicable Requirements

Table IV – A.30
Source-specific Applicable Requirements
S-351 – UNIT 267, B-601/602 HEATERS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 1	**General Provisions and Definitions (5/2/01)**		
1-107	Combination of Emissions	Y	
1-520	Continuous Emission Monitoring	Y	
1-520.8	Monitors pursuant to Regulation 2-1-403	Y	
1-521	Monitoring May Be Required	Y	
1-522	Continuous Emission Monitoring and Recordkeeping Procedures	N	
1-522.4	reporting of inoperative CEMs	Y	
1-522.5	CEM calibration requirements	Y	
1-522.6	CEM accuracy requirements	Y	
1-522.7	emission limit exceedance reporting requirements	N	
1-522.8	monitoring data submittal requirements	Y	
1-522.9	recordkeeping requirements	Y	
1-522.10	Regulation 1-521 monitors shall meet requirements specified by District	Y	
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 – note 1	
1-522.7	emission limit exceedance reporting requirements	Y - note 1	
BAAQMD Regulation 2, Rule 1	**Regulation 2, Rule 1 - Permits, General Requirements (5/2/01; SIP approved 1/26/99 {adopted 11/01/89})**		
2-1-403	Permit conditions requiring measurement of emissions	N	
2-1-501	Monitors shall comply with Volume V of the Manual of Procedures	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 requiring measurement of emissions	Y – note 1	
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann #1 Limitation	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation	Y	

IV. Source Specific Applicable Requirements

Table IV – A.30
Source-specific Applicable Requirements
S-351 – UNIT 267, B-601/602 HEATERS

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)**	N	
BAAQMD Regulation 9, Rule 10	**Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon Monoxide from Boilers, Steam Generators, and Process Heaters in Petroleum Refineries (7/17/02)**		
9-10-301	Emission Limit for Facility, NOx: 0.033 lb NOx/MMBTU	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	
9-10-303	Federal Facility-wide NOx emission rate limit	Y	
9-10-305	CO emission limit	Y	
9-10-502	Monitoring	Y	
9-10-502.1	CEMS for NOx, CO, and O2, or equivalent monitoring	Y	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	Y	
9-10-504.1	Records	Y	
9-10-505	Reporting	Y	
9-10-601	Determination of NOx	Y	
9-10-602	Determination of CO and Stack Gas O2	Y	
9-10-603	Compliance Determination	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)(ii)	Excess H2S emission definitions for 60.7(c)	Y	

IV. Source Specific Applicable Requirements

Table IV – A.30
Source-specific Applicable Requirements
S-351 – UNIT 267, B-601/602 HEATERS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.106(a)	Test methods and procedures	Y	
60.106(e)(1)	Method 11 shall be used to verify compliance with 60.104(a)(1)	Y	
NSPS 40 CFR 60 Appendix A	**Appendix A to Part 60 – Test Methods**	Y	
NSPS 40 CFR 60 Appendix B	**Performance Specifications**		
Performance Specification 7	H2S continuous emission monitoring systems	Y	
NSPS 40 CFR 60 Appendix F	**Quality Assurance Procedures**		
Procedure 1	QA requirements for gas continuous emission monitoring systems	Y	
BAAQMD Condition 1694			
Part A.1	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	N	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-409.2]	Y	
Part B.1	S-351 abatement requirement [Basis: BACT, Cumulative Increase]	Y	
Part B.2	S-351 NOx emission limit [Basis: BACT, Cumulative Increase]	Y	
Part B.3	S-351 NOx, O2 CEM requirement [Basis: BACT, Cumulative Increase]	Y	
BAAQMD Condition 20989, Part A	Throughput limits for source S-351	Y	

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

IV. Source Specific Applicable Requirements

Table IV – A.31
Source-specific Applicable Requirements
S-371 – UNIT 228, B-520 FURNACE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 1	**General Provisions and Definitions (5/2/01)**		
1-107	Combination of Emissions	Y	
1-520	Continuous Emission Monitoring	Y	
1-520.8	Monitors pursuant to Regulation 2-1-403	Y	
1-521	Monitoring May Be Required	Y	
1-522	Continuous Emission Monitoring and Recordkeeping Procedures	N	
1-522.4	reporting of inoperative CEMs	Y	
1-522.5	CEM calibration requirements	Y	
1-522.6	CEM accuracy requirements	Y	
1-522.7	emission limit exceedance reporting requirements	N	
1-522.8	monitoring data submittal requirements	Y	
1-522.9	recordkeeping requirements	Y	
1-522.10	Regulation 1-521 monitors shall meet requirements specified by District	Y	
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 – note 1	
1-522.7	emission limit exceedance reporting requirements	Y - note 1	
BAAQMD Regulation 2, Rule 1	**Regulation 2, Rule 1 - Permits, General Requirements (5/2/01; SIP approved 1/26/99 {adopted 11/01/89})**		
2-1-403	Permit conditions requiring measurement of emissions	N	
2-1-501	Monitors shall comply with Volume V of the Manual of Procedures	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 requiring measurement of emissions	Y – note 1	
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann #1 Limitation	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation	Y	

IV. Source Specific Applicable Requirements

Table IV – A.31
Source-specific Applicable Requirements
S-371 – UNIT 228, B-520 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)**	N	
BAAQMD Regulation 9, Rule 10	**Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon Monoxide from Boilers, Steam Generators, and Process Heaters in Petroleum Refineries (7/17/02)**		
9-10-301	Emission Limit for Facility, NOx: 0.033 lb NOx/MMBTU	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	
9-10-303	Federal Facility-wide NOx emission rate limit	Y	
9-10-305	CO emission limit	Y	
9-10-502	Monitoring	Y	
9-10-502.1	CEMS for NOx, CO, and O2, or equivalent monitoring	Y	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	Y	
9-10-504.1	Records	Y	
9-10-505	Reporting	Y	
9-10-601	Determination of NOx	Y	
9-10-602	Determination of CO and Stack Gas O2	Y	
9-10-603	Compliance Determination	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	

IV. Source Specific Applicable Requirements

Table IV – A.31
Source-specific Applicable Requirements
S-371 – UNIT 228, B-520 FURNACE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.105(e)(3)(ii)	Excess H2S emission definitions for 60.7(c)	Y	
60.106(a)	Test methods and procedures	Y	
60.106(e)(1)	Method 11 shall be used to verify compliance with 60.104(a)(1)	Y	
NSPS 40 CFR 60 Appendix A	**Appendix A to Part 60 – Test Methods**	Y	
NSPS 40 CFR 60 Appendix B	**Performance Specifications**		
Performance Specification 7	H2S continuous emission monitoring systems	Y	
NSPS 40 CFR 60 Appendix F	**Quality Assurance Procedures**		
Procedure 1	QA requirements for gas continuous emission monitoring systems	Y	
BAAQMD Condition 1694			
Part A.1	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	N	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-409.2]	Y	
Part C.1	S-371, S-372 abatement requirement [Basis: BACT, Cumulative Increase]	Y	
Part C.2	S-371, S-372 NOx emission limits [Basis: BACT, Cumulative Increase]	Y	
Part C.3	S-371, S-372 CO emission limits [Basis: BACT, Cumulative Increase]	Y	
BAAQMD Condition 20989, Part A	Throughput limits for source S-371	Y	

1 This section has been removed from BAAQMD Regulations because it has been superseded. Nevertheless, the source must

IV. Source Specific Applicable Requirements

comply with this regulation until US EPA has reviewed and approved (or disapproved) the District's revision of the regulation.

Table IV – A.32
Source-specific Applicable Requirements
S-372 – UNIT 228, B-521 FURNACE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 1	**General Provisions and Definitions (5/2/01)**		
1-107	Combination of Emissions	Y	
1-520	Continuous Emission Monitoring	Y	
1-520.8	Monitors pursuant to Regulation 2-1-403	Y	
1-521	Monitoring May Be Required	Y	
1-522	Continuous Emission Monitoring and Recordkeeping Procedures	N	
1-522.4	reporting of inoperative CEMs	Y	
1-522.5	CEM calibration requirements	Y	
1-522.6	CEM accuracy requirements	Y	
1-522.7	emission limit exceedance reporting requirements	N	
1-522.8	monitoring data submittal requirements	Y	
1-522.9	recordkeeping requirements	Y	
1-522.10	Regulation 1-521 monitors shall meet requirements specified by District	Y	
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 – note 1	
1-522.7	emission limit exceedance reporting requirements	Y - note 1	
BAAQMD Regulation 2, Rule 1	**Regulation 2, Rule 1 - Permits, General Requirements (5/2/01; SIP approved 1/26/99 {adopted 11/01/89})**		
2-1-403	Permit conditions requiring measurement of emissions	N	
2-1-501	Monitors shall comply with Volume V of the Manual of Procedures	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 requiring measurement of emissions	Y – note 1	
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann #1 Limitation	Y	

IV. Source Specific Applicable Requirements

Table IV – A.32
Source-specific Applicable Requirements
S-372 – UNIT 228, B-521 FURNACE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation	Y	
BAAQMD Manual of Procedures, Volume V	**Continuous Emission Monitoring Policy and Procedures (1/20/82)**	N	
BAAQMD Regulation 9, Rule 10	**Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon Monoxide from Boilers, Steam Generators, and Process Heaters in Petroleum Refineries (7/17/02)**		
9-10-301	Emission Limit for Facility, NOx: 0.033 lb NOx/MMBTU	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	
9-10-303	Federal Facility-wide NOx emission rate limit	Y	
9-10-305	CO emission limit	Y	
9-10-502	Monitoring	Y	
9-10-502.1	CEMS for NOx, CO, and O2, or equivalent monitoring	Y	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	Y	
9-10-504.1	Records	Y	
9-10-505	Reporting	Y	
9-10-601	Determination of NOx	Y	
9-10-602	Determination of CO and Stack Gas O2	Y	
9-10-603	Compliance Determination	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	Y	

IV. Source Specific Applicable Requirements

Table IV – A.32
Source-specific Applicable Requirements
S-372 – UNIT 228, B-521 FURNACE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	monitors as required by 60.105(a)(3))		
60.105(e)(3)(ii)	Excess H2S emission definitions for 60.7(c)	Y	
60.106(a)	Test methods and procedures	Y	
60.106(e)(1)	Method 11 shall be used to verify compliance with 60.104(a)(1)	Y	
NSPS 40 CFR 60 Appendix A	**Appendix A to Part 60 – Test Methods**	Y	
NSPS 40 CFR 60 Appendix B	**Performance Specifications**		
Performance Specification 7	H2S continuous emission monitoring systems	Y	
NSPS 40 CFR 60 Appendix F	**Quality Assurance Procedures**		
Procedure 1	QA requirements for gas continuous emission monitoring systems	Y	
BAAQMD Condition 1694			
Part A.1	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	N	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-409.2]	Y	
Part C.1	S-371, S-372 abatement requirement [Basis: BACT, Cumulative Increase]	Y	
Part C.2	S-371, S-372 NOx emission limits [Basis: BACT, Cumulative Increase]	Y	
Part C.3	S-371, S-372 CO emission limits [Basis: BACT, Cumulative Increase]	Y	
BAAQMD Condition 20989, Part A	Throughput limits for source S-372	Y	

IV. Source Specific Applicable Requirements

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

Table IV – A.33
Source-specific Applicable Requirements
S-438 – UNIT 110, H-1 FURNACE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 1	**General Provisions and Definitions (5/2/01)**		
1-520	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	
1-522.4	reporting of inoperative CEMs	Y	
1-522.5	CEM calibration requirements	Y	
1-522.6	CEM accuracy requirements	Y	
1-522.7	emission limit exceedance reporting requirements	N	
1-522.8	monitoring data submittal requirements	Y	
1-522.9	recordkeeping requirements	Y	
1-522.10	Regulation 1-521 monitors shall meet requirements specified by District	Y	
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 – note 1	
1-522.7	emission limit exceedance reporting requirements	Y - note 1	
BAAQMD Regulation 2, Rule 1	**Regulation 2, Rule 1 - Permits, General Requirements (5/2/01; SIP approved 1/26/99 {adopted 11/01/89})**		
2-1-403	Permit conditions requiring measurement of emissions	N	
2-1-501	Monitors shall comply with Volume V of the Manual of Procedures	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 requiring measurement of emissions	Y – note 1	
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann #1 Limitation	Y	
6-304	Tube Cleaning	Y	

IV. Source Specific Applicable Requirements

Table IV – A.33
Source-specific Applicable Requirements
S-438 – UNIT 110, H-1 FURNACE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation	Y	
BAAQMD Manual of Procedures, Volume V	**Continuous Emission Monitoring Policy and Procedures (1/20/82)**	N	
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)(ii)	Excess H2S emission definitions for 60.7(c)	Y	
60.106(a)	Test methods and procedures	Y	
60.106(e)(1)	Method 11 shall be used to verify compliance with 60.104(a)(1)	Y	
NSPS 40 CFR 60 Appendix A	**Appendix A to Part 60 – Test Methods**	Y	
NSPS 40 CFR 60 Appendix B	**Performance Specifications**		
Performance Specification 7	H2S continuous emission monitoring systems	Y	
NSPS 40 CFR 60 Appendix F	**Quality Assurance Procedures**		
Procedure 1	QA requirements for gas continuous emission monitoring systems	Y	
BAAQMD Condition			

IV. Source Specific Applicable Requirements

Table IV – A.33
Source-specific Applicable Requirements
S-438 – UNIT 110, H-1 FURNACE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
1694			
Part A.1	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	N	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-409.2]	Y	
Part E.1	S-438 abatement requirement [Basis: BACT, Cumulative Increase]	Y	
Part E.2	S-438 annual firing limit [Basis: Cumulative Increase]	Y	
Part E.3	S-438 PSA offgas fuel TRS limit [Basis: BACT, Cumulative Increase]	Y	
Part E.4	S-438 NOx and CO emission limits [Basis: BACT, Cumulative Increase]	Y	
Part E.5	S-438 fuel gas TRS limit [Basis: BACT, Cumulative Increase]	Y	
Part E.6	S-438 Records [Basis: Recordkeeping]	Y	

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

IV. Source Specific Applicable Requirements

Table IV – B
Source-specific Applicable Requirements
S-400 WET WEATHER WASTEWATER SUMP
S-401 DRY WEATHER WASTEWATER SUMP

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
NSPS 40 CFR 60 Subpart QQQ	**Standards of Performance for VOC Emissions from Petroleum Refinery Wastewater Systems**		
60.690(a)(1)	Applicability: Subpart QQQ applies to affected facilities constructed, modified, or reconstructed after May 4, 1987	Y	
60.690(a)(2)	Wastewater sumps are considered part of an individual drain system which is a separate affected facility	Y	
60.692-1(a)	The provisions of Subpart QQQ apply except during periods of startup, shutdown, or malfunction	Y	
60.692-1(b)	Determine compliance through review of records and reports, performance test results, and inspections	Y	
60.692-2 (c)(1)	Wastewater sumps in the wastewater process sewer line shall not be open to the atmosphere and shall be covered or enclosed in a manner with no visible gaps or cracks in joints, seals.	Y	
60.692-2 (c)(2)	The portion of each unburied wastewater sump in the wastewater process sewer line shall be visually inspected semiannually for indication of cracks, gaps, or other problems that could result in VOC emissions	Y	
60.692-2 (c)(3)	Whenever cracks, gaps, or other problems are detected, repairs shall be made as soon as practicable, but not later than 15 calendar days after identification, except as provided in 60.692-6.	Y	
60.692-6(a)	Delay of repairs are allowed if the repair is technically impossible without a complete or partial refinery or process unit shutdown.	Y	
60.692-6(b)	Delayed repairs shall be completed before the end of the next refinery or process unit shutdown.	Y	
60.697(a)	Each owner or operator shall comply with the recordkeeping provisions of Subpart QQQ.	Y	
60.697(b)(3)	Record the location, date, and corrective action for inspections required by 60.692-2(c) when a problem is identified that could result in VOC emissions.	Y	
60.697(e)(1)	If an emission npoint cannot be repaired or corrected without a process unit shutdown, record the expected date of a successful repair.	Y	

IV. Source Specific Applicable Requirements

Table IV – B
Source-specific Applicable Requirements
S-400 WET WEATHER WASTEWATER SUMP
S-401 DRY WEATHER WASTEWATER SUMP

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.697(e)(2)	The reason for the delay as specified in 60.692-6 shall be recorded if an emission point or equipment problem is not repaired or corrected in the specified amount of time.	Y	
60.697(e)(3)	The signature of the owner or operator whose decision it was that repair could not be effected without refinery or process shutdown shall be recorded.	Y	
60.697(e)(4)	The date of successful repair or corrective action shall be recorded.	Y	
60.697(f)(1)	A copy of the design specifications for all equipment used to comply with the provisions of this subpart shall be kept for the life of the source in a readily accessible location.	Y	
60.697(f)(2)	Detailed information pertaining to the design specifications shall be kept.	Y	
60.698(b)(1)	Submit semiannually to the Administrator a certification that all of the required inspections have been carried out in accordance with Subpart QQQ standards.	Y	
60.698(c)	Submit semiannually to the Administrator a report that summarizes all inspections when cracks, gaps, or other problems that could result in VOC emissions are identified, including information about the repairs or corrective actions taken	Y	
BAAQMD Condition 1440			
Part 4b	No detectable VOC from equipment [Basis: Cumulative Increase]	Y	
Part 5	Semiannual VOC monitoring and records [Basis: Cumulative Increase]	Y	
BAAQMD Condition 20989, Part A	Throughput limits for sources S-400, S-401	Y	

IV. Source Specific Applicable Requirements

Table IV - C
Source-specific Applicable Requirements
S-324 API OIL/WASTEWATER SEPARATOR

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 8	**Wastewater (Oil-Water) Separator (6/15/94)**	**N**	
8-8-113	Exemption, secondary wastewater treatment processes and storm water sewer systems	Y	
8-8-114	Exemption, bypassed oil-water separator or air flotation influent	Y	
8-8-302	Wastewater separators rated capacity larger than or equal to 18.9 liters per seconds (300 gal/min), must be equipped with one of the following:	Y	
8-8-302.1	a solid, vapor-tight, full contact 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.	Y	
8-8-306	Wastewater separator **effluent channels** rated capacity larger than or equal to 25.2 liters per second (400 gal/min) must be equipped with one of the following:	Y	
8-8-306.1	a solid, gasketed, fixed cover total enclosing the oil-water separator **effluent channel** liquid contents, with all cover openings closed, except when being used for inspection, maintenance, or wastewater sampling.	Y	
8-8-501	Maintain records when wastewater bypasses the API Separator or the Air Floatation Unit	Y	
8-8-503	Maintain records for semiannual gap inspections, closure requirements, and repairs for oil-water separator **effluent channel** fixed roof seals, access doors, and other openings.	Y	
NSPS 40 CFR 60 Subpart QQQ	**Standards of Performance for VOC Emissions from Petroleum Refinery Wastewater Systems**	**N**	
60.690(a)(1)	Applicability: Subpart QQQ applies to affected facilities constructed, modified, or reconstructed after May 4, 1987	Y	
60.690(a)(3)	An oil-water separator is a separate affected facility	Y	
60.692-1(a)	The provisions of Subpart QQQ apply except during periods of startup, shutdown, or malfunction	Y	
60.692-1(b)	Determine compliance through review of records and reports,	Y	

IV. Source Specific Applicable Requirements

Table IV - C
Source-specific Applicable Requirements
S-324 API OIL/WASTEWATER SEPARATOR

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	performance test results, and inspections		
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	
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 (a)(4)	Roof seals, access doors, and other openings shall be checked by visual inspection initially and semiannually thereafter.	Y	
60.692-3 (a)(5)	When a broken seal or gasket or other problem is identified repairs shall be attempted as soon as practicable, but no later than 15 days later.	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	
60.692-6(a)	Delay of repairs are allowed if the repair is technically impossible without a complete or partial refinery or process unit shutdown.	Y	
60.692-6(b)	Delayed repairs shall be completed before the end of the next refinery or process unit shutdown.	Y	
60.693-2	Alternative standards for oil-water separators.	Y	
60.693-2(a)	An owner or operator may elect to construct and operate a floating roof on an oil-water separator subject to Subpart QQQ.	Y	
60.693-2(a)(2)	Each opening in the roof shall be equipped with a gasketed cover, seal, or lid, which shall be maintained in a closed position at all times, except during inspection and maintenance.	Y	
60.693-2(a)(5)(i)	Access doors and other openings shall be visually inspected semiannually to ensure that there is a tight fit around the edges and to identify other problems that could result in VOC emissions.	Y	
60.693-2(a)(5)(ii)	When a broken seal or gasket on an access door or other opening is identified, it shall be repaired as soon as practicable, but not later than 30 calendar days after discovery, except as provided in 60.692-6.	Y	
60.693-2(c)	For portions of the oil-water separator where it is infeasible to	Y	

IV. Source Specific Applicable Requirements

Table IV - C
Source-specific Applicable Requirements
S-324 API OIL/WASTEWATER SEPARATOR

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	construct and operate a floating roof, a fixed roof meeting the requirements of 60.692-3(a) shall be installed.		
60.693-2(d)	Except as provided in 60.693-2(c), if an owner or operator elects to comply with the alternative standards of 60.693-2, then the owner or operator does not need to comply with the provisions of 60.692-3 or 60.694 applicable to the same facilities.	Y	
60.697(a)	Each owner or operator shall comply with the recordkeeping provisions of Subpart QQQ.	Y	
60.697(c)	Record the location, date, and corrective action for inspections required by 60.692-3(a) when a problem is identified that could result in VOC emissions.	Y	
60.697(e)(1)	If an emission point cannot be repaired or corrected without a process unit shutdown, record the expected date of a successful repair.	Y	
60.697(e)(2)	The reason for the delay as specified in 60.692-6 shall be recorded if an emission point or equipment problem is not repaired or corrected in the specified amount of time.	Y	
60.697(e)(3)	The signature of the owner or operator whose decision it was that repair could not be effected without refinery or process shutdown shall be recorded.	Y	
60.697(e)(4)	The date of successful repair or corrective action shall be recorded.	Y	
60.697(f)(1)	A copy of the design specifications for all equipment used to comply with the provisions of this subpart shall be kept for the life of the source in a readily accessible location.	Y	
60.697(f)(2)	Detailed information pertaining to the design specifications shall be kept.	Y	
60.698(b)(1)	Submit semiannually to the Administrator a certification that all of the required inspection have been carried out in accordance with Subpart QQQ standards.	Y	
60.698(c)	Submit semiannually to the Administrator a report that summarizes all inspections when cracks, gaps, or other problems that could result in VOC emissions are identified, including information about the repairs or corrective actions taken	Y	

IV. Source Specific Applicable Requirements

Table IV - C
Source-specific Applicable Requirements
S-324 API OIL/WASTEWATER SEPARATOR

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Condition 1440			
Part 1	No vapor space in separator [Basis: Cumulative Increase]	Y	
Part 4a	No detectable VOC from doors, hatches, covers or other openings [Basis: Cumulative Increase]	Y	
Part 5	Semiannual VOC monitoring and records [Basis: Cumulative Increase]	Y	
Part 6	Maximum wastewater throughput [Basis: Cumulative Increase]	Y	
BAAQMD Condition 20989, Part A	Throughput limit for source S-324	Y	

Table IV – D
Source-specific Applicable Requirements
S-1007 DISSOLVED AIR FLOTATION UNIT

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 8	**Wastewater (Oil-Water) Separator**	**N**	
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	
8-8-503	Maintain records for semiannual gap inspections, closure requirements, and repairs for oil-water separator **effluent channel**	Y	

IV. Source Specific Applicable Requirements

Table IV – D
Source-specific Applicable Requirements
S-1007 DISSOLVED AIR FLOTATION UNIT

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	fixed roof seals, access doors, and other openings.		
BAAQMD Condition 1440			
Part 4b	No detectable VOC from equipment [Basis: Cumulative Increase]	Y	
Part 5	Semiannual VOC monitoring and records [Basis: Cumulative Increase]	Y	
Part 6	Maximum wastewater throughput [Basis: Cumulative Increase]	Y	
BAAQMD Condition 20989, Part A	Throughput limit for S-1007	Y	

Table IV - E
Source-specific Applicable Requirements – Wastewater
PONDS/BIOTREATERS/SURFACE IMPOUNDMENTS
S-381 AERATION TANK F-201
S-382 AERATION TANK F-202
S-383 CLARIFIER F-203
S-384 CLARIFIER F-204

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Condition 1440			
Part 4c	No detectable VOC from equipment [Basis: Cumulative Increase]	Y	
Part 5	Semiannual VOC monitoring and records [Basis: Cumulative Increase]	Y	
BAAQMD Condition 20989, Part A	Throughput limits for sources S-381, S-382, S-383, S-384	Y	

IV. Source Specific Applicable Requirements

Table IV - F
Source-specific Applicable Requirements – Wastewater
PONDS/BIOTREATERS/SURFACE IMPOUNDMENTS
S-1008 PRIMARY STORMWATER BASIN
S-1009 MAIN STORMWATER BASIN

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 8	**Wastewater (Oil-Water) Separator (6/15/94)**	**N**	
8-8-114	Exemption, bypassed oil-water separator or air flotation influent	Y	
8-8-501	API Separator or Air Flotation Bypassed Wastewater Records: record requirements for water which bypasses normal treatment and is diverted to S-1008, S-1009	Y	
BAAQMD Condition 1440			
Part 2	Minimize diversion of wastewater to S-1008, S-1009 [Basis: Cumulative Increase]	Y	
Part 3	Records of wastewater diversions to S-1008, S-1009 [Basis: Cumulative Increase]	Y	
BAAQMD Condition 20989, Part A	Throughput limits for sources S-1008, S-1009	Y	

IV. Source Specific Applicable Requirements

Table IV – G
Source-specific Applicable Requirements – Miscellaneous Wastewater Sources
Subject to Condition 1440
S-385 – WASTEWATER EFFLUENT MEDIA FILTER F-207
S-386 – PAC REGENERATION SLUDGE THICKENER F-211
S-387 – WET AIR REGENERATION SYSTEM P-202
S-390 – THICKENED SLUDGE STORAGE F-106
S-392 – REGENERATED PAC SLURRY STORAGE F-266

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Condition 1440			
Part 4c	No detectable VOC from equipment [Basis: Cumulative Increase]	Y	
Part 5	Semiannual VOC monitoring and records [Basis: Cumulative Increase]	Y	
BAAQMD Condition 20989, Part A	Throughput limits for sources S-385, S-386, S-387, S-390, S-392	Y	

IV. Source Specific Applicable Requirements

Table IV - H
Source-specific Applicable Requirements
WASTEWATER JUNCTION BOXES

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 8	**Wastewater (Oil-Water) Separator (6/15/94)**	**N**	
8-8-308	Junction Box: equipped with either a solid, gasketed, fixed cover totally enclosing the junction box or a solid manhole cover. May include openings in the covers and vent pipes if the total open area of the junction box does not exceed 12.6 square inches and all vent pipes are at least 3 feet in length.	Y	
NSPS 40 CFR 60 Subpart QQQ	**Standards of Performance for VOC Emissions from Petroleum Refinery Wastewater Systems [APPLIES ONLY TO J-BOXES DOWNSTREAM OF S-400, S-401 SUMPS]**	**N**	
60.690(a)(1)	Applicability: Subpart QQQ applies to affected facilities constructed, modified, or reconstructed after May 4, 1987	Y	
60.690(a)(2)	Wastewater junction boxes are considered part of an individual drain system which is a separate affected facility	Y	
60.692-1(a)	The provisions of Subpart QQQ apply except during periods of startup, shutdown, or malfunction	Y	
60.692-1(b)	Determine compliance through review of records and reports, performance test results, and inspections	Y	
60.692-2 (b)(1)	Junction boxes shall be equipped with a cover and may have an open vent pipe which is at least 3 feet in length and does not exceed 4 inches in diameter.	Y	
60.692-2 (b)(2)	Junction box covers shall have a tight seal around the edge and shall be kept in place at all times, except during inspection and maintenance.	Y	
60.692-2 (b)(3)	Junction box shall be visually inspected semiannually to ensure that the cover is in place and to ensure that the cover has a tight seal around the edge.	Y	
60.692-2 (b)(4)	If a broken seal or gap is identified, first effort at repair shall be ade as soon as practicable, but not later than 15 calendar days after the broken seal or gap is identified, except as provided in 60.692-6.	Y	
60.692-2 (e)	Refinery wastewater routed through new process drains and a new first common downstream junction box, shall not be routed through a downstream catch basin.	Y	

IV. Source Specific Applicable Requirements

Table IV - H
Source-specific Applicable Requirements
WASTEWATER JUNCTION BOXES

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.692-6(a)	Delay of repairs are allowed if the repair is technically impossible without a complete or partial refinery or process unit shutdown.	Y	
60.692-6(b)	Delayed repairs shall be completed before the end of the next refinery or process unit shutdown.	Y	
60.697(a)	Each owner or operator shall comply with the recordkeeping provisions of Subpart QQQ.	Y	
60.697(b)(2)	Record the location, date, and corrective action for inspections required by 60.692-2(b) when a broken seal, gap or other problem is identified that could result in VOC emissions.	Y	
60.697(e)(1)	If an emission npoint cannot be repaired or corrected without a process unit shutdown, record the expected date of a successful repair.	Y	
60.697(e)(2)	The reason for the delay as specified in 60.692-6 shall be recorded if an emission point or equipment problem is not repaired or corrected in the specified amount of time.	Y	
60.697(e)(3)	The signature of the owner or operator whose decision it was that repair could not be effected without refinery or process shutdown shall be recorded.	Y	
60.697(e)(4)	The date of successful repair or corrective action shall be recorded.	Y	
60.697(f)(1)	A copy of the design specifications for all equipment used to comply with the provisions of this subpart shall be kept for the life of the source in a readily accessible location.	Y	
60.697(f)(2)	Detailed information pertaining to the design specifications shall be kept.	Y	
60.698(b)(1)	Submit semiannually to the Administrator a certification that all of the required inspections have been carried out in accordance with Subpart QQQ standards.	Y	
60.698(c)	Submit semiannually to the Administrator a report that summarizes all inspections when cracks, gaps, or other problems that could result in VOC emissions are identified, including information about the repairs or corrective actions taken	Y	

IV. Source Specific Applicable Requirements

Table IV – I
Source-specific Applicable Requirements
WASTEWATER PROCESS SEWERS/SEWER LINES – S-324 OIL/WATER SEPARATOR ONLY

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
NSPS 40 CFR 60 Subpart QQQ	**Standards of Performance for VOC Emissions from Petroleum Refinery Wastewater Systems**		
60.690(a)(1)	Applicability: Subpart QQQ applies to affected facilities constructed, modified, or reconstructed after May 4, 1987	Y	
60.690(a)(2)	Wastewater process sewer lines are considered part of an individual drain system which is a separate affected facility	Y	
60.692-1(a)	The provisions of Subpart QQQ apply except during periods of startup, shutdown, or malfunction	Y	
60.692-1(b)	Determine compliance through review of records and reports, performance test results, and inspections	Y	
60.692-2 (c)(1)	Sewer lines shall not be open to the atmosphere and shall be covered or enclosed in a manner with no visible gaps or cracks in joints, seals.	Y	
60.692-2 (c)(2)	The portion of each unburied sewer line shall be visually inspected semiannually for indication of cracks, gaps, or other problems that could result in VOC emissions	Y	
60.692-2 (c)(3)	Whenever cracks, gaps, or other problems are detected, repairs shall be made as soon as practicable, but not later than 15 calendar days after identification, except as provided in 60.692-6.	Y	
60.692-6(a)	Delay of repairs are allowed if the repair is technically impossible without a complete or partial refinery or process unit shutdown.	Y	
60.692-6(b)	Delayed repairs shall be completed before the end of the next refinery or process unit shutdown.	Y	
60.697(a)	Each owner or operator shall comply with the recordkeeping provisions of Subpart QQQ.	Y	
60.697(b)(3)	Record the location, date, and corrective action for inspections required by 60.692-2(c) when a problem is identified that could result in VOC emissions.	Y	
60.697(e)(1)	If an emission npoint cannot be repaired or corrected without a process unit shutdown, record the expected date of a successful repair.	Y	
60.697(e)(2)	The reason for the delay as specified in 60.692-6 shall be recorded if an emission point or equipment problem is not repaired or corrected	Y	

IV. Source Specific Applicable Requirements

Table IV – I
Source-specific Applicable Requirements
WASTEWATER PROCESS SEWERS/SEWER LINES – S-324 OIL/WATER SEPARATOR ONLY

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	in the specified amount of time.		
60.697(e)(3)	The signature of the owner or operator whose decision it was that repair could not be effected without refinery or process shutdown shall be recorded.	Y	
60.697(e)(4)	The date of successful repair or corrective action shall be recorded.	Y	
60.697(f)(1)	A copy of the design specifications for all equipment used to comply with the provisions of this subpart shall be kept for the life of the source in a readily accessible location.	Y	
60.697(f)(2)	Detailed information pertaining to the design specifications shall be kept.	Y	
60.698(b)(1)	Submit semiannually to the Administrator a certification that all of the required inspections have been carried out in accordance with Subpart QQQ standards.	Y	
60.698(c)	Submit semiannually to the Administrator a report that summarizes all inspections when cracks, gaps, or other problems that could result in VOC emissions are identified, including information about the repairs or corrective actions taken	Y	

Table IV - J
Source-specific Applicable Requirements
WASTEWATER GAUGING AND SAMPLING DEVICES

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 8	**Wastewater (Oil-Water) Separator (6/15/94)**		
8-8-303	Gauging and Sampling Devices: Any compartment or access hatch shall have a vapor tight cover, seal, or lid that is closed, except for inspection, maintenance, or wastewater sampling.	Y	
8-8-603	Vapor tight inspections shall be conducted using a portable gas detector as prescribed in EPA Reference Method 21 (40 CFR 60, Appendix A).	Y	

IV. Source Specific Applicable Requirements

Table IV - K
Source-specific Applicable Requirements
S-294 – NON-RETAIL GASOLINE DISPENSING FACILITY

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 (11/6/02)**		
8-7-113	Tank Gauging and Inspection Exemption	Y	
8-7-301	Phase I Requirements	Y	
8-7-301.1	Requirement for CARB Phase I System	Y	
8-7-301.2	Installation of Phase I Equipment per CARB Requirements	Y	
8-7-301.3	Submerged Fill Pipes	Y	
8-7-301.5	Maintenance of Phase I Equipment per Manufacturers Guidelines or CARB Executive Order	Y	
8-7-301.6	Leak-Free, Vapor-Tight	Y	
8-7-301.7	Poppetted Drybreaks	Y	
8-7-301.8	No Coaxial Phase 1 Systems on New and Modified Tanks	Y	
8-7-301.9	CARB-Certified Anti-Rotational Coupler or Swivel Adapter	Y	
8-7-301.10	System Vapor Recovery Rate	Y	
8-7-301.11	CARB-Certified Spill Box	Y	
8-7-301.12	Drain Valve Permanently Plugged	Y	
8-7-301.13	Annual Phase I testing	Y	
8-7-302	Phase II Requirements	Y	
8-7-302.1	Requirement for CARB Certified Phase II System	Y	
8-7-302.2	Maintenance of Phase II System per CARB Requirements	Y	
8-7-302.3	Maintenance of All Equipment as Specified by Manufacturer	Y	
8-7-302.4	Repair of Defective Parts Within 7 Days	Y	
8-7-302.5	Leak-Free, Vapor-Tight	Y	
8-7-302.6	Insertion Interlocks	Y	
8-7-302.7	Built-In Vapor Check Valve	Y	
8-7-302.8	Minimum Liquid Removal Rate	Y	
8-7-302.9	Coaxial Hose	Y	
8-7-302.10	Galvanized Piping or Flexible Tubing	Y	
8-7-302.12	Liquid Retainment Limit	Y	
8-7-302.13	Spitting Limit	YN	

IV. Source Specific Applicable Requirements

Table IV - K
Source-specific Applicable Requirements
S-294 – NON-RETAIL GASOLINE DISPENSING FACILITY

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-7-302.14	Annual balance Phase II backpressure test	Y	
8-7-302.15	Annual vacuum assist Phase II test	N	
8-7-303	Topping Off	Y	
8-7-304	Certification Requirements	Y	
8-7-306	Prohibition of Use	Y	
8-7-307	Posting of Operating Instructions	Y	
8-7-308	Operating Practices	Y	
8-7-309	Contingent Vapor Recovery Requirements	Y	
8-7-313	Requirements for New or Modified Phase II Installations	Y	
8-7-315	Pressure Vacuum Valve Requirement, Underground Storage Tank	Y	
8-7-401	Permit Requirements, New and Modified Installations	Y	
8-7-406	Testing Requirements, New and Modified Installations	Y	
8-7-407	Periodic Testing	Y	
8-7-408	Periodic Testing Notification	Y	
8-7-501	Burden of Proof	Y	
8-7-502	Right of Access	Y	
8-7-503	Record Keeping Requirements	Y	
8-7-503.1	Gasoline Dispensed Records	Y	
8-7-503.2	Dispensing Facility Maintenance Records	Y	
8-7-503.3	Dispensing Records Retention	Y	
BAAQMD Condition 7523	Gasoline throughput shall not exceed 400,000 gallons in any consecutive 12-month period. [Basis: Toxic Risk Policy]	N	
BAAQMD Condition 20989, Part A	Throughput limits for S-294	Y	
BAAQMD Condition 7523			
Part 1	Operation and maintenance standards for vapor recovery system (CARB Executive Order VR-101)	N	
Part 2	36-month testing requirement	N	

IV. Source Specific Applicable Requirements

Table IV - L
Source-specific Applicable Requirements
S-296 – C-1 FLARE
S-398 – MP-30 FLARE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
District Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann Number 1 Limitation	Y	
6-310	Particulate Weight Limitation	Y	
BAAQMD Regulation 12-11	**Flare Monitoring at Petroleum Refineries (06/04/03)**		
12-11-401	Flare Data Reporting Requirements	N	
12-11-402	Flow Verification Report	N	6/4/04
12-11-501	Vent Gas Flow Monitoring	N	12/4/04
12-11-502	Vent Gas Composition Monitoring	N	
12-11-502.3	Vent Gas Composition Monitoring	N	03/4/04
12-11-503	Pilot Monitoring	N	
12-11-504	Pilot and Purge Gas Monitoring	N	
12-11-505	Recordkeeping Requirements	N	
12-11-506	General Monitoring Requirements	N	
12-11-506.1	Periods of Inoperation of Vent Gas Monitoring	N	09/4/04
12-11-507	Video Monitoring	N	12/4/03
NSPS 40 CFR 60 Subpart J	**Standards of Performance for Petroleum Refineries (7/1/00)** [S-398 ONLY]		
60.104	Standards for Sulfur Oxides: Compliance Schedule	Y	
60.104(a)(1)	Exempt from fuel gas H2S limit	Y	
BAAQMD Condition 18255			
Part 1	Inspection of flare after venting [basis: Regulation 2-6-409.2]	Y	12/1/04
Part 2	Exemption for Process Upset Gases	Y	
Part 3	Recordkeeping [basis: Regulation 2-6-401]	Y	12/1/04

IV. Source Specific Applicable Requirements

Table IV - M
Source-specific Applicable Requirements
S-300 – U-200 DELAYED COKER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 10	**Organic Compound – Process Vessel Depressurization (7/20/83)**		
8-10-301	Process Vessel Depressurizing. POC emissions shall be vented through a knock-out pot and then abated in one of the following ways, to as low a vessel pressure as possible, but at least until pressure is reduced to less than 1000 mm Hg:	Y	
8-10-301.1	recovery to the fuel gas system	Y	
8-10-301.2	combustion at a firebox or incinerator	Y	
8-10-301.3	combustion at a flare	Y	
8-10-301.4	containment such that emissions to atmosphere do not occur	Y	
8-10-401	Turnaround Records. The following records shall be kept for each process unit turnaround, and retained for at least 2 years and made available to the District on demand during inspections:	Y	
8-10-401.1	date of depressurization event	Y	
8-10-401.2	approximate vessel hydrocarbon concentration when emissions to atmosphere begin	Y	
8-10-401.3	approximate quantity of POC emissions to atmosphere	Y	
BAAQMD Condition 476			
Part A.1-A.5	Definitions [Basis: Definitions]	Y	
Part B.1	Raw material throughput limits [Basis: Cumulative Increase]	Y	
Part C.1	Recordkeeping requirements [Basis: BACT, Cumulative Increase]	Y	
Part C.2.a	Reporting requirement [Basis: BACT, Cumulative Increase]	Y	
Part D.1	Verification of compliance with records [BACT, Cumulative Increase]	Y	

IV. Source Specific Applicable Requirements

Table IV - N
Source-specific Applicable Requirements – Process Vessels
S-304 – U-229 MID-BARREL UNIONFINING UNIT
S-305 – U-230 PREFRACTIONATOR / NAPHTHA HYDROTREATER
S-306 – U-231 PLATFORMING UNIT
S-307 – U-240 UNICRACKING UNIT
S-308 – U-244 REFORMING UNIT
S-309 – U-248 UNISAR UNIT
S-318 – U-76 GASOLINE / MID-BARREL BLENDING UNIT
S-319 – U-215 GASOLINE FRACTIONATING UNIT
S-322 – U-40 RAW MATERIALS RECEIVING
S-435 – REFORMATE SPLITTER
S-436 – DEISOPENTANIZER
S-437 – HYDROGEN PLANT

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 2	**Organic Compound – Miscellaneous Operations (6/15/94)** **APPLICABLE TO S-307 ONLY**		
8-2-301	Miscellaneous Operations: emissions shall not exceed 15 lb/day and 300 ppm carbon on a dry basis	Y	
BAAQMD Regulation 8, Rule 9	**Organic Compound – Vacuum Producing Systems (7/20/83)**		
8-9-301	Vacuum Producing System POC emissions must be controlled by combustion or venting to fuel gas systems	Y	
8-9-601	Determination of Emissions	Y	
BAAQMD Regulation 8, Rule 10	**Organic Compound – Process Vessel Depressurization (7/20/83)**		
8-10-301	Process Vessel Depressurizing. POC emissions shall be vented through a knock-out pot and then abated in one of the following ways, to as low a vessel pressure as possible, but at least until pressure is reduced to less than 1000 mm Hg:	Y	
8-10-301.1	recovery to the fuel gas system	Y	
8-10-301.2	combustion at a firebox or incinerator	Y	
8-10-301.3	combustion at a flare	Y	
8-10-301.4	containment such that emissions to atmosphere do not occur	Y	
8-10-401	Turnaround Records. The following records shall be kept for each process unit turnaround, and retained for at least 2 years and made available to the District on demand during inspections:	Y	

IV. Source Specific Applicable Requirements

Table IV - N
Source-specific Applicable Requirements – Process Vessels
S-304 – U-229 MID-BARREL UNIONFINING UNIT
S-305 – U-230 PREFRACTIONATOR / NAPHTHA HYDROTREATER
S-306 – U-231 PLATFORMING UNIT
S-307 – U-240 UNICRACKING UNIT
S-308 – U-244 REFORMING UNIT
S-309 – U-248 UNISAR UNIT
S-318 – U-76 GASOLINE / MID-BARREL BLENDING UNIT
S-319 – U-215 GASOLINE FRACTIONATING UNIT
S-322 – U-40 RAW MATERIALS RECEIVING
S-435 – REFORMATE SPLITTER
S-436 – DEISOPENTANIZER
S-437 – HYDROGEN PLANT

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-10-401.1	date of depressurization event	Y	
8-10-401.2	approximate vessel hydrocarbon concentration when emissions to atmosphere begin	Y	
8-10-401.3	approximate quantity of POC emissions to atmosphere	Y	
BAAQMD Condition 6671	**APPLICABLE TO S-307 ONLY**		
Part 1	Abatement requirement for E-421 condenser vent at A-50 scrubber [Basis: Regulation 8-2-301]	Y	
Part 2	Efficiency requirement for A-50 scrubber raw material throughput [Basis: Regulation 8-2-301]	Y	
Part 3	Requirement to treat A-50 blowdown at wastewater treatment plant [Basis: Cumulative Increase]	Y	
Part 4	Daily A-50 monitoring requirement [Basis: Cumulative Increase]	Y	
Part 5	Monitoring record requirement [Basis: Cumulative Increase]	Y	
BAAQMD Condition 20620	**[APPLIES TO S-307 AND S-308 ONLY]**		
Part 1	Application requirement for 40 CFR63, Subpart UUU	Y	10/11/04
Part 2	Submittal requirement for Startup, Shutdown, and Malfunction Plan	Y	4/11/05
40 CFR 63 Subpart UUU	**National Emission Standards for Hazardous Pollutants for Petroleum Refineries: Catalytic Cracking Units, Catalytic Reforming Units, and Sulfur Recovery Units (4/11/02) [APPLIES TO S-307 AND S-308 ONLY]**	**Y**	Notification by 8/9/02; compliance by 4/11/05

IV. Source Specific Applicable Requirements

Table IV - N
Source-specific Applicable Requirements – Process Vessels
S-304 – U-229 MID-BARREL UNIONFINING UNIT
S-305 – U-230 PREFRACTIONATOR / NAPHTHA HYDROTREATER
S-306 – U-231 PLATFORMING UNIT
S-307 – U-240 UNICRACKING UNIT
S-308 – U-244 REFORMING UNIT
S-309 – U-248 UNISAR UNIT
S-318 – U-76 GASOLINE / MID-BARREL BLENDING UNIT
S-319 – U-215 GASOLINE FRACTIONATING UNIT
S-322 – U-40 RAW MATERIALS RECEIVING
S-435 – REFORMATE SPLITTER
S-436 – DEISOPENTANIZER
S-437 – HYDROGEN PLANT

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Condition 20989, Part A	Throughput limits for S-304, S-305, S-306, S-307, S-435, S-436, S-437	Y	
BAAQMD Condition 20989, Part A	Throughput limits for S-308, S-309, S-318, S-319	N	

Table IV - O
Source-specific Applicable Requirements
S-350 – U-267 CRUDE DISTILLATION UNIT

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 9	**Organic Compound – Vacuum Producing Systems (7/20/83)**		
8-9-301	Vacuum Producing System POC emissions must be controlled by combustion or venting to fuel gas systems	Y	
8-9-601	Determination of Emissions	Y	
BAAQMD Regulation 8,	**Organic Compound – Process Vessel Depressurization (7/20/83)**		

IV. Source Specific Applicable Requirements

Table IV - O
Source-specific Applicable Requirements
S-350 – U-267 CRUDE DISTILLATION UNIT

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Rule 10			
8-10-301	Process Vessel Depressurizing. POC emissions shall be vented through a knock-out pot and then abated in one of the following ways, to as low a vessel pressure as possible, but at least until pressure is reduced to less than 1000 mm Hg:	Y	
8-10-301.1	recovery to the fuel gas system	Y	
8-10-301.2	combustion at a firebox or incinerator	Y	
8-10-301.3	combustion at a flare	Y	
8-10-301.4	containment such that emissions to atmosphere do not occur	Y	
8-10-401	Turnaround Records. The following records shall be kept for each process unit turnaround, and retained for at least 2 years and made available to the District on demand during inspections:	Y	
8-10-401.1	date of depressurization event	Y	
8-10-401.2	approximate vessel hydrocarbon concentration when emissions to atmosphere begin	Y	
8-10-401.3	approximate quantity of POC emissions to atmosphere	Y	
BAAQMD Condition 383			
Part 1a	Sulfur content limit in crude [Basis: Cumulative Increase]	Y	
Part 1b	Daily crude analysis requirement [Basis: Cumulative Increase]	Y	4/1/04
Part 2	Daily, average daily crude feed limits [Basis: Cumulative Increase]	Y	
Part 3a	Monthly recordkeeping requirements [Basis: Cumulative Increase]	Y	
Part 3b	Records of sulfur content of crude feed [Basis: Cumulative Increase]	Y	4/1/04

IV. Source Specific Applicable Requirements

Table IV - P
Source-specific Applicable Requirements
S-432 – U-215 DEISOBUTANIZER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 10	**Organic Compound – Process Vessel Depressurization (7/20/83)**		
8-10-301	Process Vessel Depressurizing. POC emissions shall be vented through a knock-out pot and then abated in one of the following ways, to as low a vessel pressure as possible, but at least until pressure is reduced to less than 1000 mm Hg:	Y	
8-10-301.1	recovery to the fuel gas system	Y	
8-10-301.2	combustion at a firebox or incinerator	Y	
8-10-301.3	combustion at a flare	Y	
8-10-301.4	containment such that emissions to atmosphere do not occur	Y	
8-10-401	Turnaround Records. The following records shall be kept for each process unit turnaround, and retained for at least 2 years and made available to the District on demand during inspections:	Y	
8-10-401.1	date of depressurization event	Y	
8-10-401.2	approximate vessel hydrocarbon concentration when emissions to atmosphere begin	Y	
8-10-401.3	approximate quantity of POC emissions to atmosphere	Y	
BAAQMD Condition 6725			
Part 1	Flange, valve design requirements [Basis: Cumulative Increase]	Y	
Part 2	Vent collection requirement for relief valves [Basis: Cumulative Increase]	Y	
Part 3	Pump, compressor design requirements [Basis: Cumulative Increase]	Y	
BAAQMD Condition 20989, Part A	Throughput limits for S-432	Y	

IV. Source Specific Applicable Requirements

Table IV – Q.1
Source-specific Applicable Requirements
S-352 - COMBUSTION TURBINE
S-353 - COMBUSTION TURBINE
S-354 - COMBUSTION TURBINE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 1	**General Provisions and Definitions (5/2/01)**		
1-107	Combination of Emissions	Y	
1-520	Continuous Emission Monitoring	Y	
1-520.8	Monitors pursuant to Regulation 2-1-403	Y	
1-521	Monitoring May Be Required	Y	
1-522	Continuous Emission Monitoring and Recordkeeping Procedures	N	
1-522.4	reporting of inoperative CEMs	Y	
1-522.5	CEM calibration requirements	Y	
1-522.6	CEM accuracy requirements	Y	
1-522.7	emission limit exceedance reporting requirements	N	
1-522.8	monitoring data submittal requirements	Y	
1-522.9	recordkeeping requirements	Y	
1-522.10	Regulation 1-521 monitors shall meet requirements specified by District	Y	
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 – note 1	
1-522.7	emission limit exceedance reporting requirements	Y - note 1	
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann #1 Limitation	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation	Y	
BAAQMD Regulation 2, Rule 1	**Regulation 2, Rule 1 - Permits, General Requirements (8/1/01)**		
2-1-403	Permit conditions-measurement of emissions	N	
2-1-501	Monitors	Y	
SIP Regulation 2,	PROVISIONS NO LONGER IN CURRENT RULE **Permits, General Requirements (1/26/99 {adopted 11/01/89})**		

IV. Source Specific Applicable Requirements

Table IV – Q.1
Source-specific Applicable Requirements
S-352 - COMBUSTION TURBINE
S-353 - COMBUSTION TURBINE
S-354 - COMBUSTION TURBINE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Rule 1			
2-1-403	Permit conditions-measurement of emissions	Y-note 1	
BAAQMD Manual of Procedures, Volume V	**Continuous Emission Monitoring Policy and Procedures (1/20/82)**	N	
BAAQMD Regulation 9, Rule 9	**Inorganic Gaseous Pollutants - Nitrogen Oxides from Stationary Gas Turbines (9/21/94)**		
9-9-113	Exemption - Inspection/Maintenance	Y	
9-9-114	Exemption - Startup/Shutdown	Y	
9-9-301	Emission Limits – General	Y	
9-9-301.3	Emission Limits	Y	
9-9-401	Efficiency Certification	Y	
9-9-501	Continuous Emission Monitoring (CEM)	Y	
9-9-600	Manual of Procedures	Y	
9-9-601	NOx emissions: Manual of Procedures, Vol. IV, ST-13A or B	Y	
9-9-602	Oxygen emissions: Manual of Procedures, Vol. IV, ST-14	Y	
9-9-603	CEM: Manual of Procedures, Volume V	Y	
9-9-604	Determination of HHV and LHV	Y	
NSPS 40 CFR 60 Subpart J	**Standards of Performance for Petroleum Refineries (10/2/90)**		
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	Y	
60.105(e)(3)(ii)	Excess H2S emission definitions for 60.7(c)	Y	

IV. Source Specific Applicable Requirements

Table IV – Q.1
Source-specific Applicable Requirements
S-352 - COMBUSTION TURBINE
S-353 - COMBUSTION TURBINE
S-354 - COMBUSTION TURBINE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.106(a)	Test methods and procedures	Y	
60.106(e)(1)	Method 11 shall be used to verify compliance with 60.104(a)(1)	Y	
NSPS 40 CFR 60 Subpart GG	**Standards of Performance for Stationary Gas Turbines (1/27/82)**		
60.330	Applicability	Y	
60.332(a)(2)	Alternate Standard, NOx (except when ice fog deemed a traffic hazard per 60.332(f)	Y	
60.332(d)	Compliance with 60.332(a)(2) required	Y	
60.332(f)	Exemption from 60.332(a)(2) when steam injection would result in ice fog which is deemed a traffic hazard	Y	
60.332(k)	Exemption: Natural gas turbines >10 MMBTU/hr when firing emergency fuel	Y	
60.333	Performance Standards, SO2	Y	
60.333(b)	Fuel Sulfur Limit (in lieu of SO2 concentration emission limit – 150 ppmv @ 15% O2 - in 60.333(a))	Y	
60.334	Monitoring Requirements	Y	
60.334(b)	Fuel Sulfur Content	Y	
60.334(c)(2)	Excess Emissions – SO2	Y	
60.335	Test Methods and Procedures	Y	
BAAQMD Condition 12122			
Part 1	Restriction to natural gas and refinery fuel gas [Basis: Cumulative Increase]	Y	
Part 2	Restriction on duct burner operation to times when associated turbine is also operated [Basis: BACT, Cumulative Increase]	Y	
Part 3	Abatement requirement for S-352 and S-355 at A-13 [Basis: BACT, Cumulative Increase]	Y	
Part 4	Abatement requirement for S-353 and S-356 at A-14 [Basis: BACT, Cumulative Increase]	Y	
Part 5	Abatement requirement for S-354 and S-357 at A-15 [Basis:	Y	

IV. Source Specific Applicable Requirements

Table IV – Q.1
Source-specific Applicable Requirements
S-352 - COMBUSTION TURBINE
S-353 - COMBUSTION TURBINE
S-354 - COMBUSTION TURBINE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	BACT, Cumulative Increase]		
Part 7	CO exhaust concentration limit [Basis: BACT, Cumulative Increase]	Y	
Part 8	POC exhaust concentration limit [Basis: BACT, Cumulative Increase]	Y	
Part 9a	NOx hourly, daily and annual emission limits [Basis: BACT, Cumulative Increase]	Y	
Part 9b	NOx CEM requirement [Basis: BACT, Cumulative Increase]	Y	
Part 10a	CO annual emission limits [Basis: BACT, Cumulative Increase]	Y	
Part 10b	CO CEM requirement [Basis: BACT, Cumulative Increase]	Y	
Part 11	POC hourly and annual emission limits [Basis: BACT, Cumulative Increase]	Y	
Part 12	Refinery fuel gas testing requirement for total reduced sulfur [Basis: Cumulative Increase]	Y	
Part 13	Reporting requirement for refinery fuel gas total reduced sulfur measurements [Basis: Cumulative Increase]	Y	
Part 14	Annual POC source test [Basis: Regulation 2-6-409.2]	Y	4/1/04
Part 15	Recordkeeping requirement [Basis: BACT, Cumulative Increase]	Y	
BAAQMD Condition 18629	PSD Approval to Construct / Modify issued 3/3/86, modified 5/26/89. The basis for each section is PSD.		
Part III	Facilities Operation	Y	
Part IV	Malfunction	Y	
Part V	Right to Entry	Y	
Part V.A	entry to premises	Y	
Part V.B	access to records	Y	
Part V.C	right to inspection of equipment and operations	Y	
Part V.D	right to sample emissions	Y	
Part VI	Transfer of Ownership	Y	
Part VII	Severability	Y	
Part VIII	Other Applicable Regulations	Y	
Part IX	Special Conditions	Y	

IV. Source Specific Applicable Requirements

Table IV – Q.1
Source-specific Applicable Requirements
S-352 - COMBUSTION TURBINE
S-353 - COMBUSTION TURBINE
S-354 - COMBUSTION TURBINE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part IX.B	Air Pollution Control Equipment	Y	
Part IX.B.1	Requirement for steam injection	Y	
Part IX.B.2	Requirement for SCR	Y	
Part IX.D.1	restriction to refinery fuel gas and natural gas	Y	
Part IX.D.2	466 MM BTU/hr firing rate limit for each of 3 turbine/duct burner sets	Y	
Part IX.D.3	1048 MM BTU/hr total firing rate limit	Y	
Part IX.D.4	fuel usage and related records	Y	
Part IX.E	Emission Limits for NOx	Y	
Part IX.F	Emission Limits for SO2	Y	
Part IX.G	Continuous Emission Monitoring	Y	
Part IX.G.1.a	Requirement for NOx CEM and fuel gas H2S sampling	Y	
Part IX.G.1.b	parametric monitoring of stack flowrates	Y	
Part IX.G.2	Requirement to maintain records (2 years)	Y	
Part IX.G.3	quarterly report of SO2 emissions and excess emissions	Y	
Part IX.G.3.a.(1)	total sulfur concentration in each fuel gas sample	Y	
Part IX.G.3.a.(2)	daily average sulfur content in fuel gas, daily average SO2 mass emission rate, total ton/yr of SO2	Y	
Part IX.G.3.b	excess SO2 emissions	Y	
Part IX.G.3.c	excess SO2 emissions during startups, shutdowns and malfunctions	Y	
Part IX.G.3.d	time and date of CEM failures	Y	
Part IX.G.3.e	affirmative statement of CEM operation when no failures occur	Y	
Part IX.G.3.f	definition of excess SO2 emissions	Y	
Part IX.G.3.g	excess SO2 emissions indicated by CEM is a violation	Y	
Part IX.H	New Source Performance Standards (Subparts A and GG)	Y	
Part X	Agency Notifications	Y	

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

IV. Source Specific Applicable Requirements

Table IV – Q.2
Source-specific Applicable Requirements
S-355 – SUPPLEMENTAL DUCT BURNERS FOR S-352
S-356 – SUPPLEMENTAL DUCT BURNERS FOR S-353
S-357 – SUPPLEMENTAL DUCT BURNERS FOR S-354

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 1	**General Provisions and Definitions (5/2/01)**		
1-107	Combination of Emissions	Y	
1-520	Continuous Emission Monitoring	Y	
1-520.8	Monitors pursuant to Regulation 2-1-403	Y	
1-521	Monitoring May Be Required	Y	
1-522	Continuous Emission Monitoring and Recordkeeping Procedures	N	
1-522.4	reporting of inoperative CEMs	Y	
1-522.5	CEM calibration requirements	Y	
1-522.6	CEM accuracy requirements	Y	
1-522.7	emission limit exceedance reporting requirements	N	
1-522.8	monitoring data submittal requirements	Y	
1-522.9	recordkeeping requirements	Y	
1-522.10	Regulation 1-521 monitors shall meet requirements specified by District	Y	
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 – note 1	
1-522.7	emission limit exceedance reporting requirements	Y - note 1	
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann #1 Limitation	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation	Y	
BAAQMD Regulation 2, Rule 1	**Regulation 2, Rule 1 - Permits, General Requirements (8/1/01)**		
2-1-403	Permit conditions-measurement of emissions	N	
2-1-501	Monitors	Y	

IV. Source Specific Applicable Requirements

Table IV – Q.2
Source-specific Applicable Requirements
S-355 – SUPPLEMENTAL DUCT BURNERS FOR S-352
S-356 – SUPPLEMENTAL DUCT BURNERS FOR S-353
S-357 – SUPPLEMENTAL DUCT BURNERS FOR S-354

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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-note 1	
BAAQMD Manual of Procedures, Volume V	**Continuous Emission Monitoring Policy and Procedures (1/20/82)**	N	
BAAQMD Regulation 9, Rule 10	**Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon Monoxide from Boilers, Steam Generators, and Process Heaters in Petroleum Refineries (7/17/02)**		
9-10-110.3	Exemption: Waste heat recovery boilers associated with gas turbines	Y	
NSPS 40 CFR 60 Subpart Db	**Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units (3/13/00)**		
60.40b(a)	Applicability	Y	
60.40b(c)	Affected facilities subject to Subpart J are subject to PM and NOx standards in Subpart Db and SO2 standards in Subpart J	Y	
60.40b(f)	Modification for the sole purpose of combusting gases containing TRS is not a modification	Y	
60.40b(j)	Units subject to Subpart Db are not subject to Subpart D	Y	
60.44b(a)	NOx Standard	Y	
60.44b(a)(4)(i)	NOx standard for duct burner used in combined cycle system for natural gas-firing only conditions	Y	
60.44b(e)	NOx standard for refinery-produced byproduct (i.e., fuel gas) with oil or natural gas combustion.	Y	
60.44b(f)	NOx standard for refinery-produced byproduct with oil or natural gas combustion may be determined on a case-by-case basis (based on 25 ppmv NOx standard for PSD Permit Condition 18629, Part IX.E).	Y	
60.44b(h)	NOx standard applicable at all times	Y	
60.44b(i)	30-day rolling average	Y	
60.46b	Compliance/Performance test Methods for NOx	Y	

IV. Source Specific Applicable Requirements

Table IV – Q.2
Source-specific Applicable Requirements
S-355 – SUPPLEMENTAL DUCT BURNERS FOR S-352
S-356 – SUPPLEMENTAL DUCT BURNERS FOR S-353
S-357 – SUPPLEMENTAL DUCT BURNERS FOR S-354

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.46b(b)	NOx standard applicable at all times		
60.48b	Emission Monitoring for NOx		
60.48b(b)(1)	Install, calibrate, and operate CEM and record output for measuring NOx discharges	Y	
60.48b(c)	Record data during all periods of operation of CEM except during breakdown and repairs	Y	
60.48b(d)	Continuous NOx monitors measure 1-hr average emission rates	Y	
60.48b(e)	Complies with 60.13	Y	
60.48b(e)(2)	Span values for NOx	Y	
60.48b(e)(3)	Span values for NOx rounded to nearest 500 ppm	Y	
60.48b(f)	Standby monitoring system and test methods	Y	
60.48b(g)	NOx CEM requirements for units with 250 MM BTU/hr heat input capacity or less	Y	
60.48b(g)(1)	NOx CEM requirements for units with 250 MM BTU/hr heat input capacity or less	Y	
60.48b(h)	NOx CEM not required if subject to §60.44b(a)(4) for natural gas firing-only conditions	Y	
60.49b	Reporting and Recordkeeping	Y	
60.49b(d)	Record amounts of each fuel combusted/day and calculate annual capacity factors at a 12-month rolling average	Y	
60.49b(g)	Recordkeeping – NOx data	Y	
60.49b(h)	Excess emission reports	Y	
60.49b(h)(2)(i)	Combusts natural gas, distillate oil, or residual oil with nitrogen content of 0.3 weight percent or less – for natural gas firing-only conditions	Y	
60.49b(h)(2)(ii)	Heat input capacity of affected units is 250 MM BTU/hr or less and NOx CEM is required under 60.48b(g)(1)	Y	
60.49b(h)(4)	Excess emission definition	Y	
60.49b(i)	Reports of 60.49b(g) data	Y	
60.49b(o)	Records retained for 2 years	Y	
60.49b(v)	Electronic quarterly reports	Y	
60.49b(w)	Semi-annual reports	Y	
NSPS	**Standards of Performance for Petroleum Refineries (10/2/90)**		

IV. Source Specific Applicable Requirements

Table IV – Q.2
Source-specific Applicable Requirements
S-355 – SUPPLEMENTAL DUCT BURNERS FOR S-352
S-356 – SUPPLEMENTAL DUCT BURNERS FOR S-353
S-357 – SUPPLEMENTAL DUCT BURNERS FOR S-354

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
40 CFR 60 Subpart J			
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	Y	
60.105(e)(3)(ii)	Excess H2S emission definitions for 60.7(c)	Y	
60.106(a)	Test methods and procedures	Y	
60.106(e)(1)	Method 11 shall be used to verify compliance with 60.104(a)(1)	Y	
BAAQMD Condition 12122			
Part 1	Restriction to natural gas and refinery fuel gas [Basis: Cumulative Increase]	Y	
Part 2	Restriction on duct burner operation to times when associated turbine is also operated [Basis: BACT, Cumulative Increase]	Y	
Part 3	Abatement requirement for S-352 and S-355 at A-13 [Basis: BACT, Cumulative Increase]	Y	
Part 4	Abatement requirement for S-353 and S-356 at A-14 [Basis: BACT, Cumulative Increase]	Y	
Part 5	Abatement requirement for S-354 and S-357 at A-15 [Basis: BACT, Cumulative Increase]	Y	
Part 6	Duct burner annual firing limit [Basis: Cumulative Increase]	Y	
Part 7	CO exhaust concentration limit [Basis: BACT, Cumulative Increase]	Y	
Part 8	POC exhaust concentration limit [Basis: BACT, Cumulative Increase]	Y	
Part 9a	NOx hourly, daily and annual emission limits [Basis: BACT, Cumulative Increase]	Y	

IV. Source Specific Applicable Requirements

Table IV – Q.2
Source-specific Applicable Requirements
S-355 – SUPPLEMENTAL DUCT BURNERS FOR S-352
S-356 – SUPPLEMENTAL DUCT BURNERS FOR S-353
S-357 – SUPPLEMENTAL DUCT BURNERS FOR S-354

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 9b	NOx CEM requirement [Basis: BACT, Cumulative Increase]	Y	
Part 10a	CO annual emission limits [Basis: BACT, Cumulative Increase]	Y	
Part 10b	CO CEM requirement [Basis: BACT, Cumulative Increase]	Y	
Part 11	POC hourly and annual emission limits [Basis: BACT, Cumulative Increase]	Y	
Part 12	Refinery fuel gas testing requirement for total reduced sulfur [Basis: Cumulative Increase]	Y	
Part 13	Reporting requirement for refinery fuel gas total reduced sulfur measurements [Basis: Cumulative Increase]	Y	
Part 14	Annual POC source test [Basis: Regulation 2-6-409.2]	Y	4/1/04
Part 15	Recordkeeping requirement [Basis: BACT, Cumulative Increase]	Y	
BAAQMD Condition 18629	PSD Approval to Construct / Modify issued 3/3/86, modified 5/26/89. The basis for each section is PSD.		
Part III	Facilities Operation	Y	
Part IV	Malfunction	Y	
Part V	Right to Entry	Y	
Part V.A	entry to premises	Y	
Part V.B	access to records	Y	
Part V.C	right to inspection of equipment and operations	Y	
Part V.D	right to sample emissions	Y	
Part VI	Transfer of Ownership	Y	
Part VII	Severability	Y	
Part VIII	Other Applicable Regulations	Y	
Part IX	Special Conditions	Y	
Part IX.B	Air Pollution Control Equipment	Y	
Part IX.B.1	Requirement for steam injection	Y	
Part IX.B.2	Requirement for SCR	Y	
Part IX.D.1	restriction to refinery fuel gas and natural gas	Y	
Part IX.D.2	466 MM BTU/hr firing rate limit for each of 3 turbine/duct burner sets	Y	
Part IX.D.3	1048 MM BTU/hr total firing rate limit	Y	

IV. Source Specific Applicable Requirements

Table IV – Q.2
Source-specific Applicable Requirements
S-355 – SUPPLEMENTAL DUCT BURNERS FOR S-352
S-356 – SUPPLEMENTAL DUCT BURNERS FOR S-353
S-357 – SUPPLEMENTAL DUCT BURNERS FOR S-354

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part IX.D.4	fuel usage and related records	Y	
Part IX.E	Emission Limits for NOx	Y	
Part IX.F	Emission Limits for SO2	Y	
Part IX.G	Continuous Emission Monitoring	Y	
Part IX.G.1.a	Requirement for NOx CEM and fuel gas H2S sampling	Y	
Part IX.G.1.b	parametric monitoring of stack flowrates	Y	
Part IX.G.2	Requirement to maintain records (2 years)	Y	
Part IX.G.3	quarterly report of SO2 emissions and excess emissions	Y	
Part IX.G.3.a.(1)	total sulfur concentration in each fuel gas sample	Y	
Part IX.G.3.a.(2)	daily average sulfur content in fuel gas, daily average SO2 mass emission rate, total ton/yr of SO2	Y	
Part IX.G.3.b	excess SO2 emissions	Y	
Part IX.G.3.c	excess SO2 emissions during startups, shutdowns and malfunctions	Y	
Part IX.G.3.d	time and date of CEM failures	Y	
Part IX.G.3.e	affirmative statement of CEM operation when no failures occur	Y	
Part IX.G.3.f	definition of excess SO2 emissions	Y	
Part IX.G.3.g	excess SO2 emissions indicated by CEM is a violation	Y	
Part IX.H	New Source Performance Standards (Subparts A and GG)	Y	
Part X	Agency Notifications	Y	

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

IV. Source Specific Applicable Requirements

Table IV - R
Source-specific Applicable Requirements
S-376 - TOOL ROOM COLD CLEANER
S-377 – MACHINE SHOP COLD CLEANER
S-378 – AUTO SHOP COLD CLEANER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 16	**Organic Compounds – Solvent Cleaning Operations (10/16/02)**		
8-16-201	Definitions	Y	
8-16-303	Cold Cleaner Requirements	N	
8-16-303.1	General Operating Requirements	N	
8-16-303.3.1	Operate and maintain in proper working order	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	
8-16-303.1.4(a)	Covered Containers for Waste Solvent Awaiting Pick-up	Y	
8-16-303.1.5	Solvent Evaporation Minimization Devices shall not be Removed	N	
8-16-303.1.6	Solvent Spray Requirements	N	
8-16-303.2	Cold Cleaner Operating Requirements	Y	
8-16-303.2.1	Solvent shall be Drained from Cleaned Parts	Y	
8-16-303.2.2	Solvent Agitation	Y	
8-16-303.2.3	Solvent Cleaning of Porous or Absorbent Materials is Prohibited	N	
8-16-303.3	Cold Cleaner General Equipment Requirements	N	
8-16-303.3.1	Container	Y	
8-16-303.3.2	Solvent Evaporation Reduction for Idle Equipment	N	
8-16-303.3.3	Used Solvent Returned to Container	N	
8-16-303.3.4	Label Stating Operating Requirements	N	
8-16-303.5	Cold Cleaner Requirements for Repair and Maintenance Cleaning	N	
8-16-303.5.2	Cleaning solution shall be branched, cyclic, or linear completely methylated siloxane (VMS)	N	
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	

IV. Source Specific Applicable Requirements

Table IV - R
Source-specific Applicable Requirements
S-376 - TOOL ROOM COLD CLEANER
S-377 – MACHINE SHOP COLD CLEANER
S-378 – AUTO SHOP COLD CLEANER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-16-501.5	Records Retained for Previous 24 Month Period	N	
SIP Regulation 8, Rule 16	**Organic Compounds – Solvent Cleaning Operations (6/15/94)**		
8-16-303	Cold Cleaner Requirements	Y – note 1	
8-16-303.1	General Operating Requirements	Y – note 1	
8-16-303.1.4	Waste Solvent Disposal	Y – note 1	
8-16-303.1.4(a)	Covered Containers for Waste Solvent Awaiting Pick-up	Y – note 1	
8-16-303.1.5	Solvent Evaporation Minimization Devices shall not be Removed	Y – note 1	
8-16-303.1.6	Solvent Spray Requirements	Y – note 1	
8-16-303.3	Cold Cleaner General Equipment Requirements	Y – note 1	
8-16-303.3.2	Solvent Evaporation Reduction for Idle Equipment	Y – note 1	
8-16-303.3.3	Used Solvent Returned to Container	Y – note 1	
8-16-303.3.4	Label Stating Operating Requirements	Y – note 1	
8-16-501	Solvent Records	Y – note 1	
8-16-501.2	Facility-wide Quarterly Solvent Usage Records	Y – note 1	
BAAQMD Condition 16677			
Part 1	Net usage of citrus-based solvent at S-376, S-377 and S-378 shall not exceed 150 gallons each in any consecutive 12-month period. [Basis: Cumulative Increase]	Y	
Part 2	Criteria for using solvents other than citrus-based solvents. [Basis: Cumulative Increase and Toxic Risk Screen]	Y	
Part 3a, 3b, 3c	Recordkeeping requirements. [Basis: Cumulative Increase and Toxic Risk Screen]	Y	

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

IV. Source Specific Applicable Requirements

Table IV - S
Source-specific Applicable Requirements
S-425 – MARINE LOADING BERTH M1
S-426 – MARINE LOADING BERTH M2

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 bbl) 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	
8-44-305	Ozone excess day prohibition	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	
40 CFR 63	**National Emission Standards for Hazardous Air Pollutants for Source Categories**	Y	
NESHAPS Part 63 Subpart Y	**National Emission Standards for Marine Tank Vessel Loading Operations**		
63.560(a)	Maximum Achievable Control Technology (MACT) applicability	Y	

IV. Source Specific Applicable Requirements

Table IV - S
Source-specific Applicable Requirements
S-425 – MARINE LOADING BERTH M1
S-426 – MARINE LOADING BERTH M2

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.560(a)(2)	MACT does not apply to existing sources with emissions < 10 or 25 tons	Y	
63.560(a)(3)	Record keeping in 63.567(j)(4) and emission estimation in 63.565(l) apply to existing sources < 10 and 25 tons	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 4336			
Part 1	A-420 oxidizer temperature requirements [Basis: Cumulative Increase]	Y	
Part 2	monitoring requirements [Basis: Cumulative Increase]	Y	
Part 3	prohibition against loading without A-420 in service [Basis: Cumulative Increase]	Y	
Part 4	leak test requirement [Basis: Cumulative Increase]	Y	
Part 5	maximum loading pressure relative to relief valve setpoint [Basis: Cumulative Increase]	Y	
Part 6	throughput limit for regulated materials [Basis: Cumulative Increase]	Y	
Part 7	recordkeeping requirement [Basis: Cumulative Increase]		
BAAQMD Condition 20989, Part A	Throughput limits for sources S-425, S-426	Y	

IV. Source Specific Applicable Requirements

Table IV - T
Source-specific Applicable Requirements
S-450 – GROUNDWATER EXTRACTION TRENCHES

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Condition 12245			
Part 1	Extracted water to be treated at wastewater treatment plant [Basis: Cumulative Increase]	Y	
Part 2	Covers required on all pump vaults and piping access boxes [Basis: Cumulative Increase]	Y	

Table IV – U
Source-specific Applicable Requirements
S-1001 - SULFUR PLANT UNIT 234 , S-1002 - SULFUR PLANT UNIT 236
S-1003 - SULFUR PLANT UNIT 238, S-301 - MOLTEN SULFUR PIT 234
S-302 - MOLTEN SULFUR PIT 236 AND S-303 - MOLTEN SULFUR PIT 238

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann #1 Limitation	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation	Y	
6-330	Sulfur Recovery Units (SO3, H2SO4 emission limitations)	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Regulation 9, Rule 1	**Inorganic Gaseous Pollutants – Sulfur Dioxide (3/15/95)**		
9-1-313	Sulfur Removal Operations at Petroleum Refineries (processing more than 20,000 bbl/day of crude oil)		
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	

IV. Source Specific Applicable Requirements

Table IV – U
Source-specific Applicable Requirements
S-1001 - SULFUR PLANT UNIT 234 , S-1002 - SULFUR PLANT UNIT 236
S-1003 - SULFUR PLANT UNIT 238, S-301 - MOLTEN SULFUR PIT 234
S-302 - MOLTEN SULFUR PIT 236 AND S-303 - MOLTEN SULFUR PIT 238

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
SIP Regulation 9, Rule 1	**Inorganic Gaseous Pollutants – Sulfur Dioxide (6/8/99)**		
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 – note 1	
40 CFR 63 Subpart UUU	**National Emission Standards for Hazardous Pollutants for Petroleum Refineries: Catalytic Cracking Units, Catalytic Reforming Units, and Sulfur Recovery Units (4/11/02)**	**Y**	Notification by 8/9/02; compliance by 4/11/05
BAAQMD Condition 19278			
Part 1	Annual source test requirement to verify H2S and ammonia removal efficiency. [Basis: Regulation 9-1-313.2]	Y	4/1/04
Part 2	H2S and ammonia source test reporting requirement.	Y	4/1/04
Part 3	Annual source test to verify SO3 and H2SO4 exhaust concentrations. [Basis: Regulation 6-330]	Y	4/1/04
BAAQMD Condition 20620			
Part 1	Application requirement for 40 CFR63, Subpart UUU	Y	10/11/04
Part 2	Submittal requirement for Startup, Shutdown, and Malfunction Plan	Y	4/11/05
BAAQMD Condition 20989, Part A	Throughput limits for sources S-1001, S-1002, S-1003, S-301, S-302, S-303	N	

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

IV. Source Specific Applicable Requirements

Table IV – V
Source-specific Applicable Requirements
S-370 – ISOMERIZATION UNIT 228

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 10	**Organic Compound – Process Vessel Depressurization (7/20/83)**		
8-10-301	Process Vessel Depressurizing. POC emissions shall be vented through a knock-out pot and then abated in one of the following ways, to as low a vessel pressure as possible, but at least until pressure is reduced to less than 1000 mm Hg:	Y	
8-10-301.1	recovery to the fuel gas system	Y	
8-10-301.2	combustion at a firebox or incinerator	Y	
8-10-301.3	combustion at a flare	Y	
8-10-301.4	containment such that emissions to atmosphere do not occur	Y	
8-10-401	Turnaround Records. The following records shall be kept for each process unit turnaround, and retained for at least 2 years and made available to the District on demand during inspections:	Y	
8-10-401.1	date of depressurization event	Y	
8-10-401.2	approximate vessel hydrocarbon concentration when emissions to atmosphere begin	Y	
8-10-401.3	approximate quantity of POC emissions to atmosphere	Y	
BAAQMD Condition 12121			
Part 1	Daily feed rate limit [Basis: Cumulative Increase]	Y	
Part 2	Daily feed rate records [Basis: Cumulative Increase]	Y	
BAAQMD Condition 20989, Part A	Throughput limits for S-370	Y	

IV. Source Specific Applicable Requirements

Table IV – W
Source-specific Applicable Requirements
S-380 – ACTIVATED CARBON SILO (P-204)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
District 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 18251			
Part 1a	Abatement requirement [Basis: Regulation 2-1-234]	Y	
Part 2a	Differential pressure monitor requirement [Basis: Regulation 1-441]	Y	4/1/04
Part 2b	Baghouse differential pressure monitoring requirement [Basis: Regulation 1-441]	Y	4/1/04
Part 3	Differential pressure recordkeeping requirement [Basis: Regulation 1-441]	Y	4/1/04
BAAQMD Condition 20989, Part A	Throughput limits for S-380	Y	

Table IV – X
Source-specific Applicable Requirements
S-389 – DIATOMACEOUS EARTH SILO (F-214)

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

IV. Source Specific Applicable Requirements

Table IV – X
Source-specific Applicable Requirements
S-389 – DIATOMACEOUS EARTH SILO (F-214)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
6-311	General Operations (process weight rate limitation)	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Condition 18251			
Part 1b	Abatement requirement [Basis: Regulation 2-1-234]	Y	
Part 2a	Differential pressure monitor requirement [Basis: Regulation 1-441]	Y	4/1/04
Part 2c	Baghouse differential pressure monitoring requirement [Basis: Regulation 1-441]	Y	4/1/04
Part 3	Differential pressure recordkeeping requirement [Basis: Regulation 1-441]	Y	4/1/04
BAAQMD Condition 20989, Part A	Throughput limits for S-389	Y	

IV. Source Specific Applicable Requirements

Table IV- AA 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**
Refinery-wide applicability	**Y**	**Y**	**N**	**N**	**N**	**N**	**Report only**	**N**	**Y**
Specific Unit applicability									
Unit 267 (S-350)	**Y**	**Y**	**Y**	**N**	**Y**	**N**	**N**	**N**	**Y**
Unit 228 (S-370)	**Y**	**Y**	**Y**	**N**	**Y**	**N**	**N**	**N**	**Y**
Unit 110 (S-438)	**Y**	**Y**	**Y**	**N**	**Y**	**N**	**N**	**N**	**Y**
Unit 100 (S-324)	**Y**	**Y**	**N**	**Y**	**N**	**N**	**N**	**N**	**Y**
Unit 233 (S-338)	**Y**	**Y**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

IV. Source Specific Applicable Requirements

Table IV – AB
Applicable Requirements
COMPONENTS (FACILITY-WIDE EXCEPT AS NOTED)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8-18	**Organic Compounds-Equipment Leaks (11/27/02)**		
8-18-100	General/Applicability	Y	
8-18-200	Definitions	Y	
8-18-301	General Standard	Y	
8-18-302	Valves	Y	
8-18-303	Pumps and compressors	Y	
8-18-304	Connections	Y	
8-18-305	Pressure relief devices	Y	
8-18-306	Non-repairable equipment	Y	
8-18-307	Liquid Leaks	Y	
8-18-308	Alternate compliance	Y	
8-18-401	Inspection	Y	
8-18-402	Identification	Y	
8-18-403	Visual inspection schedule	Y	
8-18-404	Alternate inspection schedule	Y	
8-18-405	Alternate inspection reduction plan	N	
8-18-406	Interim Compliance	N	
8-18-501	Portable Hydrocarbon Detector	Y	
8-18-502	Records	Y	
SIP Regulation 8-18	**Organic Compounds-Equipment Leaks (10/10/01)**		
8-18-405	Alternate inspection reduction plan	Y-note 1	
8-18-406	Interim Compliance	Y-note 1	
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	

IV. Source Specific Applicable Requirements

Table IV – AB
Applicable Requirements
COMPONENTS (FACILITY-WIDE EXCEPT AS NOTED)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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 (12/9/94)**		
8-28-301	Pressure Relief Valve	Y-note 1	
8-28-401	Reporting	Y-note 1	
8-28-402	Inspection	Y-note 1	
8-28-403	Records	Y-note 1	
8-28-404	Identification	Y-note 1	
NSPS Part 60 Subpart GGG applies to the S-350 crude unit, S-370 isomerization unit, S-438 hydrogen plant			
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 applies to the S-1007 dissolved air flotation unit			

IV. Source Specific Applicable Requirements

Table IV – AB
Applicable Requirements
COMPONENTS (FACILITY-WIDE EXCEPT AS NOTED)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
NSPS Part 60 Subpart QQQ; BAAQMD Regulation 10-69	**Standards of Performance for VOC Emission From Petroleum Refinery Wastewater Systems (7/18/95); BAAQMD Standards of Performance for New Stationary Sources (12/20/95)**		
40 CFR 60.690	Applicability	Y	
60.691	Definitions	Y	
60.692-5	Closed-vent systems and control devices Standards	Y	
60.692-6	Delay of Repair Standards	Y	
60.695	Monitoring of closed-vent systems with bypass lines	Y	
60.696	Performance test methods and procedures and compliance provisions	Y	
60.697	Recordkeeping	Y	
60.698	Reporting	Y	
BAAQMD Regulation 10-69	**Incorporates by reference 40 CFR 60 Subpart QQQ**	**Y**	
NSPS Part 60 Subpart VV applies to the S-350 crude unit, S-370 isomerization unit, S-438 hydrogen plant			
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)**	Y	
60.480	Applicability	Y	
60.481	Definitions	Y	
60.482-1	General Standards	Y	
60.482-2	Pump Standards:	Y	
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	

IV. Source Specific Applicable Requirements

Table IV – AB
Applicable Requirements
COMPONENTS (FACILITY-WIDE EXCEPT AS NOTED)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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:	Y	
60.482-7(a)-(c)	Monitor monthly unless 2 successive months <10,000 ppm, then monitor first month of each quarter. If leak >10,000 ppm is detected, resume monthly monitoring	Y	
60.482-7(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 63 Subpart CC	**National Emission Standards for Hazardous Air Pollutants from Petroleum Refineries**	Y	
63.640(a)	Applicability	Y	
63.640(p)	Overlap of Subpart CC with other regulations for equipment leaks.	Y	

IV. Source Specific Applicable Requirements

Table IV – AB
Applicable Requirements
COMPONENTS (FACILITY-WIDE EXCEPT AS NOTED)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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	
63.648(e)	Equipment leak standards – reciprocating pumps in heavy liquid service	Y	
63.648(f)	Equipment leak standards – reciprocating pumps in light liquid service	Y	
63.648(g)	Equipment leak standards – compressors in hydrogen service	Y	
63.648(h)	Keep records for 5 years	Y	
63.648(i)	Equipment leak standards – reciprocating compressors	Y	
63.654(d)	Record keeping and reporting	Y	

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

Table IV – B1
Source-Specific Applicable Requirements
NSPS KB LOW VAPOR PRESSURE PERMITTED WASTEWATER SLUDGE TANKS WITH VAPOR RECOVERY TO FUEL GAS
S-433 (F224-MOSC)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD · Regulation 8, Rule 5	**Organic Compounds, Storage of Organic Liquids (11/27/02) EXEMPT**		
8-5-117	Exemption, Low Vapor Pressure	Y	
BAAQMD · Regulation 8, Rule 8	**Organic Compounds, Wastewater (Oil-Water Separators) (6/15/1994) REQUIREMENTS FOR SLUDGE DEWATERING UNITS**		
8-8-113	Exemption, Secondary Wastewater Treatment Processes and Stormwater Sewer Systems (segregated) are exempt from 8-8-301, 8-8-302, 8-8-306, 8-8-308	Y	
8-8-303	Standards: Gauging and Sampling Devices	Y	
8-8-304	Standards: Sludge-dewatering Unit	Y	

IV. Source Specific Applicable Requirements

Table IV – B1
Source-Specific Applicable Requirements
NSPS KB LOW VAPOR PRESSURE PERMITTED WASTEWATER SLUDGE TANKS WITH VAPOR RECOVERY TO FUEL GAS
S-433 (F224-MOSC)

8-8-504	Monitoring and Records: Portable Hydrocarbon Detector	Y	
8-8-602	Manual of Procedures: Determination of Emissions	Y	
8-8-603	Manual of Procedures: Inspection Procedures	Y	
NESHAPS Title 40 Part 63 Subpart CC	**National Emission Standards for Hazardous Air Pollutants for Petroleum Refining (8/18/95)** **REQUIREMENTS FOR EMISSION POINTS ROUTED TO FUEL GAS**		
40 CFR 63.640(c)(2)	Applicability and Designation of Storage Vessels	Y	
40 CFR 63.640(d)(5)	Exemption for emission points routed to fuel gas system	Y	
NSPS Title 40 Part 60 Subpart QQQ	**NSPS Subpart QQQ VOC Emissions from Petroleum Refinery Wastewater Systems** **REQUIREMENTS FOR FIXED ROOF TANKS ROUTED TO FUEL GAS**		
40 CFR 60.690(a)(1)	Applicability and Designation of Affected Facility	Y	
40 CFR 60.690(a)(3)	Applicability and Designation of Affected Facility	Y	
40 CFR 60.691	Definitions: Closed Vent System. If gas or vapor from regulated equipment are routed to a process (e.g., petroleum refinery fuel gas system), the process shall not be considered a closed vent system and is not subject to the closed vent system standards.	Y	
40 CFR 60.692-1	Standards: General	Y	
40 CFR 60.692-1(a)	Standards: General	Y	
40 CFR 60.692-1(b)	Standards: General	Y	
40 CFR 60.692-3	Standards: Oil-Water Separators (includes storage vessels)	Y	
40 CFR 60.692-3(a)	Standards: Oil-Water Separators (includes storage vessels)	Y	
40 CFR 60.692-3(a)(1)	Standards: Oil-Water Separators (includes storage vessels)	Y	
40 CFR 60.692-3(a)(2)	Standards: Oil-Water Separators (includes storage vessels)	Y	
40 CFR 60.692-3(a)(3)	Standards: Oil-Water Separators (includes storage vessels)	Y	
40 CFR 60.692-3(a)(4)	Standards: Oil-Water Separators (includes storage vessels)	Y	
40 CFR 60.692-3(a)(5)	Standards: Oil-Water Separators (includes storage vessels)	Y	
40 CFR 60.692-3(f)	Standards: Oil-Water Separators (includes storage vessels)	Y	
40 CFR 60.692-6	Standards: Delay of Repair	Y	
40 CFR 60.692-6(a)	Standards: Delay of Repair	Y	

IV. Source Specific Applicable Requirements

Table IV – B1
Source-Specific Applicable Requirements
NSPS KB LOW VAPOR PRESSURE PERMITTED WASTEWATER SLUDGE TANKS WITH VAPOR RECOVERY TO FUEL GAS
S-433 (F224-MOSC)

40 CFR 60.692-6(b)	Standards: Delay of Repair	Y	
40 CFR 60.697	Recordkeeping Requirements	Y	
40 CFR 60.697(a)	Recordkeeping Requirements	Y	
40 CFR 60.697(c)	Recordkeeping Requirements	Y	
40 CFR 60.697(e)(1)	Recordkeeping Requirements	Y	
40 CFR 60.697(e)(2)	Recordkeeping Requirements	Y	
40 CFR 60.697(e)(3)	Recordkeeping Requirements	Y	
40 CFR 60.697(e)(4)	Recordkeeping Requirements	Y	
40 CFR 60.697(f)(1)	Recordkeeping Requirements	Y	
40 CFR 60.697(f)(2)	Recordkeeping Requirements	Y	
40 CFR 60.698(c)	Reporting Requirements	Y	
NSPS Title 40 Part 60 Subpart Kb	**NSPS Subpart Kb for Tanks (12/14/2000) REQUIREMENTS FOR RECORDKEEPING ONLY**		
40 CFR 60.110b(a)	Applicability and Designation of Affected Facility; Volatile organic liquid storage vessels > or = to 40 cu m, after 7/23/1984	Y	
40 CFR 60.110b(c)	Applicability and Designation of Affected Facility; Exemptions for storage vessels > or = to 75 cu m	Y	
40 CFR 60.116b(a)	Monitoring of Operations; Record retention	Y	
40 CFR 60.116b(b)	Monitoring of Operations; Permanent record requirements	Y	
40 CFR 60.116b(e)	Monitoring of Operations; Determine TVP	Y	
40 CFR 60.116b(e)(3)	Monitoring of Operations; Determine TVP-other liquids	Y	
40 CFR 60.116b(f)	Monitoring of Operations; Waste storage tanks (indeterminate or variable composition)	Y	
40 CFR 60.116b(g)	Monitoring of Operations; Exemption from 40 CFR 60.116b(c) and 40 CFR 60.116b(d) for tanks with closed vent system and control device	Y	
BAAQMD Condition 7353	**APPLICABLE TO S-433**		
Part 1	Requirement to vent tank to fuel gas system [Basis: Cumulative Increase]	Y	
Part 2	Valve, pump design requirements [Basis: Cumulative Increase]	Y	
Part 3	Limitation on material stored [Basis: Cumulative Increase]	Y	
Part 4	Annual throughput limit [Basis: Cumulative Increase]	Y	
Part 5	Weekly throughput records [Basis: Recordkeeping]	Y	

IV. Source Specific Applicable Requirements

Table IV – B1
Source-Specific Applicable Requirements
NSPS KB LOW VAPOR PRESSURE PERMITTED WASTEWATER SLUDGE TANKS WITH VAPOR RECOVERY TO FUEL GAS
S-433 (F224-MOSC)

BAAQMD Condition 20773			
Part 1	Requirement to verify exempt status of tank based on true vapor pressure of contents [Basis: Regulation 8-5-117, 2-6-409.2]	Y	4/1/04
Part 2	Record retention requirement [Basis: Regulation 2-6-409.2]	Y	4/1/04

Table IV – B2
Source-Specific Applicable Requirements
LOW VAPOR PRESSURE PERMITTED TANKS SUBJECT TO MACT RECORDKEEPING
S-118 (TANK 163)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD · Regulation 8, Rule 5	**Organic Compounds, Storage of Organic Liquids (11/27/02) EXEMPT**		
8-5-117	Exemption, Low Vapor Pressure	Y	
NESHAPS Title 40 Part 63 Subpart G	**SOCMI HON G (01/27/1995) REQUIREMENTS FOR GROUP 2 RECORDKEEPING ONLY**		
40 CFR 63.119(a)(3)	Storage Vessel Provisions – Reference Control Technology – Group 2 storage vessels comply only with recordkeeping requirements in 40 CFR 63.123(a)	Y	
40 CFR 63.123(a)	Storage Vessel Provisions – Recordkeeping – Group 2 storage vessels only required to keep tank dimensions and capacity analysis. Retain for life of source.	Y	
NESHAPS Title 40 Part 63 Subpart CC	**National Emission Standards for Hazardous Air Pollutants for Petroleum Refining (8/18/95) REQUIREMENTS FOR GROUP 2 RECORDKEEPING ONLY**		
40 CFR 63.640(c)(2)	Applicability and Designation of Storage Vessels	Y	
40 CFR 63.646(b)(1)	Storage Vessel Provisions--Determine stored liquid % OHAP for group determination	Y	
40 CFR 63.646(b)(2)	Storage Vessel Provisions--Determine stored liquid % OHAP-method 18 to resolve disputes	Y	
40 CFR 63.654(h)(6)	Reporting and Recordkeeping Requirements--Other reports--Determination of Applicability	Y	
40 CFR 63.654(h)(6)(ii)	Reporting and Recordkeeping Requirements--Other reports--Determination of Applicability	Y	
40 CFR 63.654(i)(1)	Reporting and Recordkeeping Requirements--Recordkeeping for storage vessels – Keep records specified in 40 CFR 63.123	Y	
40 CFR 63.654(i)(1)(iv)	Reporting and Recordkeeping Requirements--Recordkeeping for storage vessels – Data and assumptions used to determine Group 2 classification	Y	

IV. Source Specific Applicable Requirements

Table IV – B2
Source-Specific Applicable Requirements
LOW VAPOR PRESSURE PERMITTED TANKS
SUBJECT TO MACT RECORDKEEPING
S-118 (TANK 163)

40 CFR 63.654(i)(4)	Reporting and Recordkeeping Requirements--Recordkeeping--Record retention – 5 years	Y	
BAAQMD Condition 20773			
Part 1	Requirement to verify exempt status of tank based on true vapor pressure of contents [Basis: Regulation 8-5-117, 2-6-409.2]	Y	4/1/04
Part 2	Record retention requirement [Basis: Regulation 2-6-409.2]	Y	4/1/04
BAAQMD Condition 20989, Part A	Throughput limits for source S-118	N	

Table IV – B3
Source-Specific Applicable Requirements
LOW VAPOR PRESSURE PERMITTED TANKS < 10,000 GALLONS
S-117 (TANK 162), S-193 (TANK 305), S-194 (TANK 306)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD · Regulation 8, Rule 5	**Organic Compounds, Storage of Organic Liquids (11/27/02) EXEMPT**		
8-5-117	Exemption, Low Vapor Pressure	Y	
BAAQMD Condition 20773			
Part 1	Requirement to verify exempt status of tank based on true vapor pressure of contents [Basis: Regulation 8-5-117, 2-6-409.2]	Y	4/1/04
Part 2	Record retention requirement [Basis: Regulation 2-6-409.2]	Y	4/1/04
BAAQMD Condition 20989, Part A	Throughput limits for sources S-117, S-193, S-194	N	

Table IV – B4
Source-Specific Applicable Requirements
LOW VAPOR PRESSURE PERMITTED TANKS
VENTED TO FUEL GAS
S-238 (TANK 211), S-239 (TANK 212)

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

IV. Source Specific Applicable Requirements

Table IV – B4
Source-Specific Applicable Requirements
LOW VAPOR PRESSURE PERMITTED TANKS
VENTED TO FUEL GAS
S-238 (TANK 211), S-239 (TANK 212)

BAAQMD · Regulation 8, Rule 5	**Organic Compounds, Storage of Organic Liquids (11/27/02) EXEMPT**		
8-5-117	Exemption, Low Vapor Pressure	Y	
NESHAPS Title 40 Part 63 Subpart CC	**National Emission Standards for Hazardous Air Pollutants for Petroleum Refining (8/18/95) REQUIREMENTS FOR EMISSION POINTS ROUTED TO FUEL GAS**		
40 CFR 63.640(c)(3)	Wastewater streams and treatment operations associated with petroleum refining process units meeting the criteria of section 63.640(a)	Y	
40 CFR 63.640(d)(5)	Exemption for emission points routed to fuel gas system	Y	
BAAQMD Condition 20773			
Part 1	Requirement to verify exempt status of tank based on true vapor pressure of contents [Basis: Regulation 8-5-117, 2-6-409.2]	Y	
Part 2	Record retention requirement [Basis: Regulation 2-6-409.2]	Y	
BAAQMD Condition 20989, Part A	Throughput limits for sources S-238, S-239	N	

Table IV – B5
Source-Specific Applicable Requirements
NSPS KB LOW VAPOR PRESSURE PERMITTED FIXED ROOF
WASTEWATER SLUDGE TANKS
S-195 (TANK 501), S-196 (TANK 502), S-388 (TANK 276/F205)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD · Regulation 8, Rule 5	**Organic Compounds, Storage of Organic Liquids (11/27/02) EXEMPT**		
8-5-117	Exemption, Low Vapor Pressure	Y	
BAAQMD · Regulation 8, Rule 8	**Organic Compounds, Wastewater (Oil-Water Separators) (6/15/1994) REQUIREMENTS FOR SLUDGE DEWATERING UNITS**		
8-8-113	Exemption, Secondary Wastewater Treatment Processes and Stormwater Sewer Systems (segregated) are exempt from 8-8-301, 8-8-302, 8-8-306, 8-8-308	Y	
8-8-303	Standards: Gauging and Sampling Devices	Y	
8-8-304	Standards: Sludge-dewatering Unit	Y	
8-8-504	Monitoring and Records: Portable Hydrocarbon Detector	Y	
8-8-602	Manual of Procedures: Determination of Emissions	Y	

IV. Source Specific Applicable Requirements

Table IV – B5
Source-Specific Applicable Requirements
NSPS KB LOW VAPOR PRESSURE PERMITTED FIXED ROOF WASTEWATER SLUDGE TANKS
S-195 (TANK 501), S-196 (TANK 502), S-388 (TANK 276/F205)

8-8-603	Manual of Procedures: Inspection Procedures	Y	
NESHAPS Title 40 Part 63 Subpart CC	**National Emission Standards for Hazardous Air Pollutants for Petroleum Refining (8/18/95)** **REQUIREMENTS FOR TANKS ALSO SUBJECT TO NSPS Kb**		
40 CFR 63.640(c)(2)	Applicability and Designation of Storage Vessels	Y	
40 CFR 63.640(n)(1)	Applicability and Designation of Affected Source Overlap for Storage Vessels--Existing Group 1 or Group 2 also subject to Kb only subject to Kb and 63.640(n)(8).	Y	
40 CFR 63.640(n)(8)	Applicability and Designation of Affected Source Overlap for Storage Vessels--Additional requirements for Kb storage vessels	Y	
NSPS Title 40 Part 60 Subpart Kb	**NSPS Subpart Kb for Tanks (12/14/2000)** **REQUIREMENTS FOR RECORDKEEPING ONLY**		
40 CFR 60.110b(a)	Applicability and Designation of Affected Facility; Volatile organic liquid storage vessels > or = to 40 cu m, after 7/23/1984	Y	
40 CFR 60.110b(c)	Applicability and Designation of Affected Facility; Exemptions for storage vessels > or = to 75 cu m	Y	
40 CFR 60.116b(a)	Monitoring of Operations; Record retention	Y	
40 CFR 60.116b(b)	Monitoring of Operations; Permanent record requirements	Y	
40 CFR 60.116b(d)	Monitoring of Operations; 30-day notification for TVP exceedances	Y	
40 CFR 60.116b(e)	Monitoring of Operations; Determine TVP	Y	
40 CFR 60.116b(e)(3)	Monitoring of Operations; Determine TVP-other liquids	Y	
40 CFR 60.116b(f)	Monitoring of Operations; Waste storage tanks (indeterminate or variable composition)	Y	
NSPS Title 40 Part 60 Subpart QQQ	**NSPS Subpart QQQ VOC Emissions from Petroleum Refinery Wastewater Systems** **REQUIREMENTS FOR STORAGE VESSELS NOT SUBJECT TO NSPS Kb CONTROL REQUIREMENTS (60.112b)**		
40 CFR 60.690(a)(1)	Applicability and Designation of Affected Facility	Y	
40 CFR 60.690(a)(3)	Applicability and Designation of Affected Facility	Y	
40 CFR 60.692-1	Standards: General	Y	
40 CFR 60.692-1(a)	Standards: General	Y	
40 CFR 60.692-1(b)	Standards: General	Y	
40 CFR 60.692-3	Standards: Oil-Water Separators (includes storage vessels)	Y	
40 CFR 60.692-3(a)	Standards: Oil-Water Separators (includes storage vessels)	Y	
40 CFR 60.692-3(a)(1)	Standards: Oil-Water Separators (includes storage vessels)	Y	
40 CFR 60.692-3(a)(2)	Standards: Oil-Water Separators (includes storage vessels)	Y	
40 CFR 60.692-3(a)(3)	Standards: Oil-Water Separators (includes storage vessels)	Y	
40 CFR 60.692-3(a)(4)	Standards: Oil-Water Separators (includes storage vessels)	Y	
40 CFR 60.692-3(a)(5)	Standards: Oil-Water Separators (includes storage vessels)	Y	
40 CFR 60.692-3(f)	Standards: Oil-Water Separators (includes storage vessels)	Y	

IV. Source Specific Applicable Requirements

Table IV – B5
Source-Specific Applicable Requirements
NSPS KB LOW VAPOR PRESSURE PERMITTED FIXED ROOF WASTEWATER SLUDGE TANKS
S-195 (TANK 501), S-196 (TANK 502), S-388 (TANK 276/F205)

40 CFR 60.692-6	Standards: Delay of Repair	Y	
40 CFR 60.692-6(a)	Standards: Delay of Repair	Y	
40 CFR 60.692-6(b)	Standards: Delay of Repair	Y	
40 CFR 60.697	Recordkeeping Requirements	Y	
40 CFR 60.697(a)	Recordkeeping Requirements	Y	
40 CFR 60.697(c)	Recordkeeping Requirements	Y	
40 CFR 60.697(e)(1)	Recordkeeping Requirements	Y	
40 CFR 60.697(e)(2)	Recordkeeping Requirements	Y	
40 CFR 60.697(e)(3)	Recordkeeping Requirements	Y	
40 CFR 60.697(e)(4)	Recordkeeping Requirements	Y	
40 CFR 60.697(f)(1)	Recordkeeping Requirements	Y	
40 CFR 60.697(f)(2)	Recordkeeping Requirements	Y	
40 CFR 60.698(c)	Reporting Requirements	Y	
BAAQMD Condition 1860	**APPLICABLE TO S-388**		
Part 1	No detectable VOC emissions [Basis: Cumulative Increase]	Y	
Part 2	Requirement to vent to fuel gas recovery system [Basis: Cumulative Increase]	Y	
Part 3	Requirement to include S-388 in fugitive inspection program to verify compliance with Part 1 [Basis: Cumulative Increase]	Y	
BAAQMD Condition 20773			
Part 1	Requirement to verify exempt status of tank based on true vapor pressure of contents [Basis: Regulation 8-5-117, 2-6-409.2]	Y	4/1/04
Part 2	Record retention requirement [Basis: Regulation 2-6-409.2]	Y	4/1/04
BAAQMD Condition 20989, Part A	Throughput limits for sources S-195	N	
BAAQMD Condition 20989, Part A	Throughput limits for source S-196, S-388	Y	

IV. Source Specific Applicable Requirements

Table IV – B6
Source-Specific Applicable Requirements
MACT (SMALL) ZERO GAP EXTERNAL FLOATING ROOF TANK
S-121 (TANK 166)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 5	**Organic Compounds, Storage of Organic Liquids (11/27/02) REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS**		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO	Y	
8-5-111.1.1	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO; 3 day prior notification	Y	
8-5-111.1.2	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO; Telephone notification	Y	
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service; Compliance before notification	Y	
8-5-111.3	Limited Exemption, Tank Removal From and Return to Service; Floating roof tanks - continuous and quick filling, emptying and refilling	Y	
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service; Minimization of emissions	Y	
8-5-111.6	Limited Exemption, Tank Removal From and Return to Service; Written notice of completion not required	Y	
8-5-111.7	Limited Exemption, Tank Removal From and Return to Service; Compliance with Section 8-5-328	Y	
8-5-112	Limited Exemption, Tanks in Operation	Y	
8-5-112.1	Limited Exemption, Tanks in Operation; Notice to the APCO	Y	
8-5-112.1.1	Limited Exemption, Tanks in Operation; Notice to the APCO; 3 day prior notification	Y	
8-5-112.1.2	Limited Exemption, Tanks in Operation; Notice to the APCO; Telephone notification	Y	
8-5-112.2	Limited Exemption, Tanks in Operation; Compliance and certification before commencement of work	Y	
8-5-112.3	Limited Exemption, Tanks in Operation; No product movement; minimization of emissions	Y	
8-5-112.4	Limited Exemption, Tanks in Operation; Exemption does not exceed 7 days	Y	
8-5-301	Storage Tank Control Requirements (internal floating roof, external floating roof, or approved emission control system)	Y	
8-5-304	Requirements for External Floating Roofs	Y	
8-5-304.1	Requirements for External Floating Roofs; Tank fitting requirements	Y	
8-5-304.2	Requirements for External Floating Roofs; Primary seal requirements	Y	
8-5-304.3	Requirements for External Floating Roofs; Secondary seal requirements	Y	
8-5-304.4	Requirements for External Floating Roofs; Floating roof requirements	Y	
8-5-320	Tank fitting requirements – Floating roof tanks	Y	
8-5-320.2	Tank fitting requirements – Floating roof tanks, Gasketed covers, seals, lids – Projection below surface except p/v valves and vacuum breaker vents	Y	

IV. Source Specific Applicable Requirements

Table IV – B6
Source-Specific Applicable Requirements
MACT (SMALL) ZERO GAP EXTERNAL FLOATING ROOF TANK
S-121 (TANK 166)

8-5-320.3	Tank fitting requirements – Floating roof tanks, Gasketed covers, seals, lids –	Y	
8-5-320.3.1	Tank fitting requirements – Floating roof tanks, Gasketed covers, seals, lids – Gap requirements	Y	
8-5-320.4	Tank Fitting Requirements; Solid sampling or gauging well requirements in floating roof tanks	Y	
8-5-320.4.1	Tank fitting requirements; Floating roof tanks; Solid sampling or gauging wells; Projection below the liquid surface	Y	
8-5-320.4.2	Tank fitting requirements; Floating roof tanks; Solid sampling or gauging wells; Cover, seal, or lid	Y	
8-5-320.4.3	Tank fitting requirements; Floating roof tanks; Solid sampling or gauging wells; Gap between the well and the roof	Y	
8-5-320.6	Tank Fitting Requirements; Emergency roof drain	Y	
8-5-321	Primary seal requirements	Y	
8-5-321.1	Primary seal requirements; No holes, tears, or other openings	Y	
8-5-321.2	Primary seal requirements; The seal shall be metallic shoe or liquid mounted except as provided in 8-5-305.1.3	Y	
8-5-321.4	Primary seal requirements; Resilient-toroid seal requirements including seal gaps	Y	
8-5-322	Secondary seal requirements	Y	
8-5-322.1	Secondary seal requirements; No holes, tears, or other openings	Y	
8-5-322.2	Secondary seal requirements; Insertion of probes	Y	
8-5-322.5	Secondary seal requirements; Gap for welded tanks with seal installed after September 4, 1985	Y	
8-5-322.6	Secondary seal requirements; extent of seal	Y	
8-5-328	Tank degassing requirements	Y	
8-5-328.1	Tank degassing requirements; Tanks > 75 cubic meters	Y	
8-5-328.1.2	Tank degassing requirements; Tanks > 75 cubic meters; Concentration of <10,000 ppm as methane after degassing	Y	
8-5-328.2	Tank degassing requirements; Ozone Excess Day Prohibition	Y	
8-5-401	Inspection Requirements for External Floating Roof Tanks	Y	
8-5-401.1	Inspection Requirements for External Floating Roof Tanks; Primary and Secondary Seal Inspections	Y	
8-5-401.2	Inspection Requirements for External Floating Roof Tanks; Tank Fittings Inspections	Y	
8-5-404	Certification	Y	
8-5-405	Information required	Y	
8-5-501	Records	Y	
8-5-501.1	Records; Type and amounts of liquid; true vapor pressure; Retain 24 months	Y	
8-5-501.2	Records; Internal and External Floating Roof Tanks; Seal Replacement Records – Retain 10 years	Y	
8-5-503	Portable hydrocarbon detector	Y	
8-5-602	Analysis of Samples, True Vapor Pressure	Y	
8-5-604	Determination of Applicability	Y	

IV. Source Specific Applicable Requirements

Table IV – B6
Source-Specific Applicable Requirements
MACT (SMALL) ZERO GAP EXTERNAL FLOATING ROOF TANK
S-121 (TANK 166)

NESHAPS Title 40 Part 63 Subpart G	**SOCMI HON G (01/27/1995)** **REQUIREMENTS FOR GROUP 2 RECORDKEEPING ONLY**		
40 CFR 63.119(a)(3)	Storage Vessel Provisions – Reference Control Technology – Group 2 storage vessels comply only with recordkeeping requirements in 40 CFR 63.123(a)	Y	
40 CFR 63.123(a)	Storage Vessel Provisions – Recordkeeping – Group 2 storage vessels only required to keep tank dimensions and capacity analysis. Retain for life of source.	Y	
NESHAPS Title 40 Part 63 Subpart CC	**National Emission Standards for Hazardous Air Pollutants for Petroleum Refining (8/18/95)** **REQUIREMENTS FOR GROUP 2 RECORDKEEPING ONLY**		
40 CFR 63.640(c)(2)	Applicability and Designation of Storage Vessels	Y	
40 CFR 63.646(b)(1)	Storage Vessel Provisions--Determine stored liquid % OHAP for group determination	Y	
40 CFR 63.646(b)(2)	Storage Vessel Provisions--Determine stored liquid % OHAP-method 18 to resolve disputes	Y	
40 CFR 63.654(i)(1)	Reporting and Recordkeeping Requirements--Recordkeeping for storage vessels – Keep records specified in 40 CFR 63.123	Y	
40 CFR 63.654(i)(1)(iv)	Reporting and Recordkeeping Requirements--Recordkeeping for storage vessels – Data and assumptions used to determine Group 2 classification	Y	
40 CFR 63.654(i)(4)	Reporting and Recordkeeping Requirements--Recordkeeping--Record retention – 5 years	Y	
BAAQMD Condition 20989, Part A	Throughput limits for source S-121	N	

IV. Source Specific Applicable Requirements

Table IV – B7
Source-Specific Applicable Requirements
NSPS KB ZERO GAP EXTERNAL FLOATING ROOF TANKS
S-439 (TANK 109), S-440 (TANK 110), S-442 (TANK 112),
S-444 (TANK 243), S-451 (TANK 695)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD · Regulation 8, Rule 5	**Organic Compounds, Storage of Organic Liquids (11/27/02) REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS**		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO	Y	
8-5-111.1.1	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO; 3 day prior notification	Y	
8-5-111.1.2	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO; Telephone notification	Y	
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service; Compliance before notification	Y	
8-5-111.3	Limited Exemption, Tank Removal From and Return to Service; Floating roof tanks - continuous and quick filling, emptying and refilling	Y	
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service; Minimization of emissions	Y	
8-5-111.6	Limited Exemption, Tank Removal From and Return to Service; Written notice of completion not required	Y	
8-5-111.7	Limited Exemption, Tank Removal From and Return to Service; Compliance with Section 8-5-328	Y	
8-5-112	Limited Exemption, Tanks in Operation	Y	
8-5-112.1	Limited Exemption, Tanks in Operation; Notice to the APCO	Y	
8-5-112.1.1	Limited Exemption, Tanks in Operation; Notice to the APCO; 3 day prior notification	Y	
8-5-112.1.2	Limited Exemption, Tanks in Operation; Notice to the APCO; Telephone notification	Y	
8-5-112.2	Limited Exemption, Tanks in Operation; Compliance and certification before commencement of work	Y	
8-5-112.3	Limited Exemption, Tanks in Operation; No product movement; minimization of emissions	Y	
8-5-112.4	Limited Exemption, Tanks in Operation; Exemption does not exceed 7 days	Y	
8-5-301	Storage Tank Control Requirements (internal floating roof, external floating roof, or approved emission control system)	Y	
8-5-304	Requirements for External Floating Roofs	Y	
8-5-304.1	Requirements for External Floating Roofs; Tank fitting requirements	Y	
8-5-304.2	Requirements for External Floating Roofs; Primary seal requirements	Y	
8-5-304.3	Requirements for External Floating Roofs; Secondary seal requirements	Y	
8-5-304.4	Requirements for External Floating Roofs; Floating roof requirements	Y	

IV. Source Specific Applicable Requirements

Table IV – B7
Source-Specific Applicable Requirements
NSPS KB ZERO GAP EXTERNAL FLOATING ROOF TANKS
S-439 (TANK 109), S-440 (TANK 110), S-442 (TANK 112),
S-444 (TANK 243), S-451 (TANK 695)

8-5-320	Tank fitting requirements – Floating roof tanks	Y	
8-5-320.2	Tank fitting requirements – Floating roof tanks, Gasketed covers, seals, lids – Projection below surface except p/v valves and vacuum breaker vents	Y	
8-5-320.3	Tank fitting requirements – Floating roof tanks, Gasketed covers, seals, lids –	Y	
8-5-320.3.1	Tank fitting requirements – Floating roof tanks, Gasketed covers, seals, lids – Gap requirements	Y	
8-5-320.4	Tank Fitting Requirements; Solid sampling or gauging well requirements in floating roof tanks	Y	
8-5-320.4.1	Tank fitting requirements; Floating roof tanks; Solid sampling or gauging wells; Projection below the liquid surface	Y	
8-5-320.4.2	Tank fitting requirements; Floating roof tanks; Solid sampling or gauging wells; Cover, seal, or lid	Y	
8-5-320.4.3	Tank fitting requirements; Floating roof tanks; Solid sampling or gauging wells; Gap between the well and the roof	Y	
8-5-320.6	Tank Fitting Requirements; Emergency roof drain	Y	
8-5-321	Primary seal requirements	Y	
8-5-321.1	Primary seal requirements; No holes, tears, or other openings	Y	
8-5-321.2	Primary seal requirements; The seal shall be metallic shoe or liquid mounted except as provided in 8-5-305.1.3	Y	
8-5-321.3	Primary seal requirements; Metallic shoe type seal requirements	Y	
8-5-321.3.1	Primary seal requirements; Metallic shoe type seal requirements Geometry of shoe	Y	
8-5-321.3.2	Primary seal requirements; Metallic shoe type seal requirements Gaps for welded tanks	Y	
8-5-322	Secondary seal requirements	Y	
8-5-322.1	Secondary seal requirements; No holes, tears, or other openings	Y	
8-5-322.2	Secondary seal requirements; Insertion of probes	Y	
8-5-322.5	Secondary seal requirements; Gap for welded tanks with seal installed after September 4, 1985	Y	
8-5-322.6	Secondary seal requirements; extent of seal	Y	
8-5-328	Tank degassing requirements	Y	
8-5-328.1	Tank degassing requirements; Tanks > 75 cubic meters	Y	
8-5-328.1.2	Tank degassing requirements; Tanks > 75 cubic meters; Concentration of <10,000 ppm as methane after degassing	Y	
8-5-328.2	Tank degassing requirements; Ozone Excess Day Prohibition	Y	
8-5-401	Inspection Requirements for External Floating Roof Tanks	Y	
8-5-401.1	Inspection Requirements for External Floating Roof Tanks; Primary and Secondary Seal Inspections	Y	
8-5-401.2	Inspection Requirements for External Floating Roof Tanks; Tank Fittings Inspections	Y	
8-5-404	Certification	Y	
8-5-405	Information required	Y	
8-5-501	Records	Y	
8-5-501.1	Records; Type and amounts of liquid; true vapor pressure; Retain 24	Y	

IV. Source Specific Applicable Requirements

Table IV – B7
Source-Specific Applicable Requirements
NSPS KB ZERO GAP EXTERNAL FLOATING ROOF TANKS
S-439 (TANK 109), S-440 (TANK 110), S-442 (TANK 112),
S-444 (TANK 243), S-451 (TANK 695)

	months		
8-5-501.2	Records; Internal and External Floating Roof Tanks; Seal Replacement Records – Retain 10 years	Y	
8-5-503	Portable hydrocarbon detector	Y	
8-5-602	Analysis of Samples, True Vapor Pressure	Y	
8-5-604	Determination of Applicability	Y	
NESHAPS 40 CFR 63 Subpart CC	**National Emission Standards for Hazardous Pollutants for Petroleum Refining (8/18/95)** **REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS ALSO SUBJECT TO NSPS Kb**		
40 CFR 63.640(c)(2)	Applicability and Designation of Storage Vessels	Y	
40 CFR 63.640(n)(1)	Applicability and Designation of Affected Source Overlap for Storage Vessels--Existing Group 1 or Group 2 also subject to Kb only subject to Kb and 63.640(n)(8).	Y	
40 CFR 63.640(n)(8)	Applicability and Designation of Affected Source Overlap for Storage Vessels--Additional requirements for Kb storage vessels	Y	
40 CFR 63.640(n)(8)(i)	Applicability and Designation of Affected Source Overlap for Storage Vessels--Additional requirements for Kb storage vessels	Y	
40 CFR 63.640(n)(8)(ii)	Applicability and Designation of Affected Source Overlap for Storage Vessels--Additional requirements for Kb storage vessels	Y	
40 CFR 63.640(n)(8)(iii)	Applicability and Designation of Affected Source Overlap for Storage Vessels--Additional requirements for Kb storage vessels	Y	
40 CFR 63.640(n)(8)(iv)	Applicability and Designation of Affected Source Overlap for Storage Vessels--Additional requirements for Kb storage vessels	Y	
40 CFR 63.640(n)(8)(v)	Applicability and Designation of Affected Source Overlap for Storage Vessels--Additional requirements for Kb storage vessels	Y	
40 CFR 63.640(n)(8)(vi)	Applicability and Designation of Affected Source Overlap for Storage Vessels--Additional requirements for Kb storage vessels	Y	
NSPS Title 40 Part 60 Subpart Kb	**NSPS Subpart Kb for Tanks (12/14/2000)** **REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS**		
40 CFR 60.110b(a)	Applicability and Designation of Affected Facility; Volatile organic liquid storage vessels > or = to 40 cu m, after 7/23/1984	Y	
40 CFR 60.112b(a)	Standard for Volatile Organic Compounds (VOC); Requirement for tanks-- > 151 cu m with maximum TVP >=5.2 kPa and <76.6 kPa; or >= 75 cu m and < 151 cu m with maximum TVP >= 27.6 kPa and < 76.6 kPa	Y	
40 CFR 60.112b(a)(2)	Standard for Volatile Organic Compounds (VOC); External floating roof option	Y	
40 CFR 60.112b(a)(2)(i)	Standard for Volatile Organic Compounds (VOC); External floating roof seal requirements	Y	
40 CFR 60.112b(a)(2)(i)(A)	Standard for Volatile Organic Compounds (VOC); External floating roof primary seal requirements	Y	
40 CFR 60.112b(a)(2)(i)(B)	Standard for Volatile Organic Compounds (VOC); External floating roof secondary seal requirements	Y	
40 CFR 60.112b(a)(2)(ii)	Standard for Volatile Organic Compounds (VOC); External floating roof openings requirements	Y	

IV. Source Specific Applicable Requirements

Table IV – B7
Source-Specific Applicable Requirements
NSPS KB ZERO GAP EXTERNAL FLOATING ROOF TANKS
S-439 (TANK 109), S-440 (TANK 110), S-442 (TANK 112),
S-444 (TANK 243), S-451 (TANK 695)

40 CFR 60.112b(a)(2)(iii)	Standard for Volatile Organic Compounds (VOC); External floating roof floating requirements	Y	
40 CFR 60.113b(b)(1)	Testing and Procedures; External floating roof seal gap measurement frequency	Y	
40 CFR 60.113b(b)(1)(i)	Testing and Procedures; External floating roof primary seal gaps measurement frequency	Y	
40 CFR 60.113b(b)(1)(ii)	Testing and Procedures; External floating roof secondary seal gaps measurement frequency	Y	
40 CFR 60.113b(b)(1)(iii)	Testing and Procedures; External floating roof reintroduction of VOL	Y	
40 CFR 60.113b(b)(2)	Testing and Procedures; External floating roof seal gap measurement procedures	Y	
40 CFR 60.113b(b)(2)(i)	Testing and Procedures; External floating roof measure seal gaps when roof is floating	Y	
40 CFR 60.113b(b)(2)(ii)	Testing and Procedures; External floating roof measure seal gaps around entire circumference	Y	
40 CFR 60.113b(b)(2)(iii)	Testing and Procedures; External floating roof seal method to determine surface area of seal gaps	Y	
40 CFR 60.113b(b)(3)	Testing and Procedures; External floating roof method to calculate total surface area ratio	Y	
40 CFR 60.113b(b)(4)	Testing and Procedures; External floating roof seal gap repair requirements	Y	
40 CFR 60.113b(b)(4)(i)	Testing and Procedures; External floating roof primary seal gap limitations	Y	
40 CFR 60.113b(b)(4)(i)(A)	Testing and Procedures; External floating roof mechanical shoe primary seal requirements	Y	
40 CFR 60.113b(b)(4)(i)(B)	Testing and Procedures; External floating roof primary seals no holes, tears, openings	Y	
40 CFR 60.113b(b)(4)(ii)	Testing and Procedures; External floating roof secondary seal gap limitations	Y	
40 CFR 60.113b(b)(4)(ii)(A)	Testing and Procedures; External floating roof secondary seal installation	Y	
40 CFR 60.113b(b)(4)(ii)(B)	Testing and Procedures; External floating roof secondary seal gap	Y	
40 CFR 60.113b(b)(4)(ii)(C)	Testing and Procedures; External floating roof secondary seals no holes, tears, openings	Y	
40 CFR 60.113b(b)(4)(iii)	Testing and Procedures; External floating roof 30-day extension request for seal gap repairs	Y	
40 CFR 60.113b(b)(5)	Testing and Procedures; External floating roof seal gap inspections 30 day notification	Y	
40 CFR 60.113b(b)(6)	Testing and Procedures; External floating roof visual inspection when emptied and degassed	Y	
40 CFR 60.113b(b)(6)(i)	Testing and Procedures; External floating roof--roof or seal defect repairs	Y	
40 CFR 60.113b(b)(6)(ii)	Testing and Procedures; External floating roof notification prior to filling	Y	
40 CFR 60.115b	Reporting and Recordkeeping Requirements; 60.112b(a) tanks;	Y	

IV. Source Specific Applicable Requirements

Table IV – B7
Source-Specific Applicable Requirements
NSPS KB ZERO GAP EXTERNAL FLOATING ROOF TANKS
S-439 (TANK 109), S-440 (TANK 110), S-442 (TANK 112),
S-444 (TANK 243), S-451 (TANK 695)

	Record retention		
40 CFR 60.115b(b)	Reporting and Recordkeeping Requirements; 60.112b(a) external floating	Y	
40 CFR 60.115b(b)(1)	Reporting and Recordkeeping Requirements; 60.112b(a) external floating roof control equipment description and certification	Y	
40 CFR 60.115b(b)(2)	Reporting and Recordkeeping Requirements; 60.112b(a) external floating roof seal gap measurement report – content requirements	Y	
40 CFR 60.115b(b)(3)	Reporting and Recordkeeping Requirements; 60.112b(a) external floating roof seal gap measurement records requirements	Y	
40 CFR 60.115b(b)(4)	Reporting and Recordkeeping Requirements; 60.112b(a) external floating roof seal gap exceedance report	Y	
40 CFR 60.116b(a)	Monitoring of Operations; Record retention	Y	
40 CFR 60.116b(b)	Monitoring of Operations; Permanent record requirements	Y	
40 CFR 60.116b(c)	Monitoring of Operations; VOL storage record requirements	Y	
40 CFR 60.116b(e)	Monitoring of Operations; Determine TVP	Y	
40 CFR 60.116b(e)(2)	Monitoring of Operations; Determine TVP-crude oil and refined petroleum	Y	
BAAQMD Condition 12124	**APPLICABLE TO S-439**		
Part 1	Annual throughput limit [Basis: Cumulative Increase]	Y	
Part 2	Requirements for tank openings [Basis: Cumulative Increase]	Y	
Part 3	Monthly throughput records [Basis: Cumulative Increase]	Y	
BAAQMD Condition 12125	**APPLICABLE TO S-440**		
Part 1	Annual throughput limit [Basis: Cumulative Increase]	Y	
Part 2	Requirements for tank openings [Basis: Cumulative Increase]	Y	
Part 3	Monthly throughput records [Basis: Cumulative Increase]	Y	
BAAQMD Condition 12127	**APPLICABLE TO S-442**		
Part 1	Annual throughput limit [Basis: Cumulative Increase]	Y	
Part 2	Requirements for tank openings [Basis: Cumulative Increase]	Y	
Part 3	Monthly throughput records [Basis: Cumulative Increase]	Y	
BAAQMD Condition 12129	**APPLICABLE TO S-444**		
Part 1	Annual throughput limit [Basis: Cumulative Increase]	Y	
Part 2	Requirements for tank openings [Basis: Cumulative Increase]	Y	
Part 3	Monthly throughput records [Basis: Cumulative Increase]	Y	
BAAQMD Condition 19476	**APPLICABLE TO S-451**		
Part 1	Annual throughput limit [Basis: Cumulative Increase]	Y	
Part 2	Tank design requirements [Basis: BACT, Cumulative Increase]	Y	
Part 3	Monthly throughput records [Basis: Cumulative Increase]	Y	

IV. Source Specific Applicable Requirements

Table IV – B8
Source-Specific Applicable Requirements
NSPS KB ZERO GAP EXTERNAL FLOATING ROOF STORMWATER EQUILIZATION TANKS
S-101 (TANK 104), S-102 (TANK 105), S-106 (TANK 130)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD · Regulation 8, Rule 5	**Organic Compounds, Storage of Organic Liquids (11/27/02) REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS**		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO	Y	
8-5-111.1.1	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO; 3 day prior notification	Y	
8-5-111.1.2	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO; Telephone notification	Y	
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service; Compliance before notification	Y	
8-5-111.3	Limited Exemption, Tank Removal From and Return to Service; Floating roof tanks - continuous and quick filling, emptying and refilling	Y	
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service; Minimization of emissions	Y	
8-5-111.6	Limited Exemption, Tank Removal From and Return to Service; Written notice of completion not required	Y	
8-5-111.7	Limited Exemption, Tank Removal From and Return to Service; Compliance with Section 8-5-328	Y	
8-5-112	Limited Exemption, Tanks in Operation	Y	
8-5-112.1	Limited Exemption, Tanks in Operation; Notice to the APCO	Y	
8-5-112.1.1	Limited Exemption, Tanks in Operation; Notice to the APCO; 3 day prior notification	Y	
8-5-112.1.2	Limited Exemption, Tanks in Operation; Notice to the APCO; Telephone notification	Y	
8-5-112.2	Limited Exemption, Tanks in Operation; Compliance and certification before commencement of work	Y	
8-5-112.3	Limited Exemption, Tanks in Operation; No product movement; minimization of emissions	Y	
8-5-112.4	Limited Exemption, Tanks in Operation; Exemption does not exceed 7 days	Y	
8-5-301	Storage Tank Control Requirements (internal floating roof, external floating roof, or approved emission control system)	Y	
8-5-303	Requirements for Pressure Vacuum Valves (applies only to S-106)	Y	
8-5-303.1	Requirements for Pressure Vacuum Valves; Set pressure (applies only to S-106)	Y	
8-5-303.2	Requirements for Pressure Vacuum Valves; Installation, maintenance, operation (applies only to S-106)	Y	
8-5-304	Requirements for External Floating Roofs	Y	
8-5-304.1	Requirements for External Floating Roofs; Tank fitting requirements	Y	
8-5-304.2	Requirements for External Floating Roofs; Primary seal requirements	Y	

IV. Source Specific Applicable Requirements

Table IV – B8
Source-Specific Applicable Requirements
NSPS KB ZERO GAP EXTERNAL FLOATING ROOF STORMWATER EQUILIZATION TANKS
S-101 (TANK 104), S-102 (TANK 105), S-106 (TANK 130)

8-5-304.3	Requirements for External Floating Roofs; Secondary seal requirements	Y	
8-5-304.4	Requirements for External Floating Roofs; Floating roof requirements	Y	
8-5-320	Tank fitting requirements – Floating roof tanks	Y	
8-5-320.2	Tank fitting requirements – Floating roof tanks, Gasketed covers, seals, lids – Projection below surface except p/v valves and vacuum breaker vents	Y	
8-5-320.3	Tank fitting requirements – Floating roof tanks, Gasketed covers, seals, lids –	Y	
8-5-320.3.1	Tank fitting requirements – Floating roof tanks, Gasketed covers, seals, lids – Gap requirements	Y	
8-5-320.4	Tank Fitting Requirements; Solid sampling or gauging well requirements in floating roof tanks	Y	
8-5-320.4.1	Tank fitting requirements; Floating roof tanks; Solid sampling or gauging wells; Projection below the liquid surface	Y	
8-5-320.4.2	Tank fitting requirements; Floating roof tanks; Solid sampling or gauging wells; Cover, seal, or lid	Y	
8-5-320.4.3	Tank fitting requirements; Floating roof tanks; Solid sampling or gauging wells; Gap between the well and the roof	Y	
8-5-320.6	Tank Fitting Requirements; Emergency roof drain	Y	
8-5-321	Primary seal requirements	Y	
8-5-321.1	Primary seal requirements; No holes, tears, or other openings	Y	
8-5-321.2	Primary seal requirements; The seal shall be metallic shoe or liquid mounted except as provided in 8-5-305.1.3	Y	
8-5-321.3	Primary seal requirements; Metallic shoe type seal requirements	Y	
8-5-321.3.1	Primary seal requirements; Metallic shoe type seal requirements Geometry of shoe	Y	
8-5-321.3.2	Primary seal requirements; Metallic shoe type seal requirements Gaps for welded tanks	Y	
8-5-322	Secondary seal requirements	Y	
8-5-322.1	Secondary seal requirements; No holes, tears, or other openings	Y	
8-5-322.2	Secondary seal requirements; Insertion of probes	Y	
8-5-322.5	Secondary seal requirements; Gap for welded tanks with seal installed after September 4, 1985	Y	
8-5-322.6	Secondary seal requirements; extent of seal	Y	
8-5-328	Tank degassing requirements	Y	
8-5-328.1	Tank degassing requirements; Tanks > 75 cubic meters	Y	
8-5-328.1.2	Tank degassing requirements; Tanks > 75 cubic meters; Concentration of <10,000 ppm as methane after degassing	Y	
8-5-328.2	Tank degassing requirements; Ozone Excess Day Prohibition	Y	
8-5-401	Inspection Requirements for External Floating Roof Tanks	Y	
8-5-401.1	Inspection Requirements for External Floating Roof Tanks; Primary and Secondary Seal Inspections	Y	
8-5-401.2	Inspection Requirements for External Floating Roof Tanks; Tank Fittings Inspections	Y	

IV. Source Specific Applicable Requirements

Table IV – B8
Source-Specific Applicable Requirements
NSPS KB ZERO GAP EXTERNAL FLOATING ROOF STORMWATER EQUILIZATION TANKS
S-101 (TANK 104), S-102 (TANK 105), S-106 (TANK 130)

8-5-403	Inspection Requirements for Pressure Vacuum Valves (applies only to S-106)	Y	
8-5-404	Certification	Y	
8-5-405	Information required	Y	
8-5-501	Records	Y	
8-5-501.1	Records; Type and amounts of liquid; true vapor pressure; Retain 24 months	Y	
8-5-501.2	Records; Internal and External Floating Roof Tanks; Seal Replacement Records – Retain 10 years	Y	
8-5-503	Portable hydrocarbon detector	Y	
8-5-602	Analysis of Samples, True Vapor Pressure	Y	
8-5-604	Determination of Applicability	Y	
8-5-605	Pressure Vacuum Valve Gas Tight Determination (applies only to S-106)	Y	
BAAQMD · Regulation 8, Rule 8	**Organic Compounds, Wastewater (Oil-Water Separators) (6/15/1994)** **REQUIREMENTS FOR WASTEWATER SEPARATORS**		
8-8-302	Standards: Wastewater Separators Larger than or Equal to 18.9 Liters per second (300 gal per min)	Y	
8-8-302.2	Standards: Wastewater Separators Larger than or Equal to 18.9 Liters per second (300 gal per min); Floating roof tank with double seals	Y	
8-8-302.2.1	Standards: Wastewater Separators Larger than or Equal to 18.9 Liters per second (300 gal per min); Floating roof tank with double seals – liquid mounted primary seal gap criteria	Y	
8-8-302.2.2	Standards: Wastewater Separators Larger than or Equal to 18.9 Liters per second (300 gal per min); Floating roof tank with double seals – secondary and wiper seals gap criteria	Y	
8-8-302.2.3	Standards: Wastewater Separators Larger than or Equal to 18.9 Liters per second (300 gal per min); Floating roof tank with double seals – primary and secondary seal gap inspection	Y	
8-8-303	Standards: Gauging and Sampling Devices	Y	
8-8-503	Monitoring and Records: Inspection and Repair Records	Y	
8-8-504	Monitoring and Records: Portable Hydrocarbon Detector	Y	
8-8-603	Manual of Procedures: Inspection Procedures	Y	
40 CFR 63 Subpart CC	**National Emission Standards for Hazardous Pollutants for Petroleum Refining (8/18/95)** **REQUIREMENTS FOR GROUP 2 WASTEWATER SOURCES**		
40 CFR 63.640(c)(3)	Wastewater streams and treatment operations associated with petroleum refining process units meeting the criteria of section 63.640(a)	Y	
40 CFR 63.641	Definitions: Group 1 and Group 2 Wastewater Streams	Y	
40 CFR 63.654(a)	Reporting and Recordkeeping Requirements: Wastewater – no reporting and recordkeeping requirements for wastewater except for Group 1 wastewater streams	Y	

IV. Source Specific Applicable Requirements

Table IV – B8
Source-Specific Applicable Requirements
NSPS KB ZERO GAP EXTERNAL FLOATING ROOF STORMWATER EQUILIZATION TANKS
S-101 (TANK 104), S-102 (TANK 105), S-106 (TANK 130)

NSPS Title 40 Part 60 Subpart Kb	NSPS Subpart Kb for Tanks (12/14/2000) REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS		
40 CFR 60.110b(a)	Applicability and Designation of Affected Facility; Volatile organic liquid storage vessels > or = to 40 cu m, after 7/23/1984	Y	
40 CFR 60.112b(a)	Standard for Volatile Organic Compounds (VOC); Requirement for tanks-- > 151 cu m with maximum TVP >=5.2 kPa and <76.6 kPa; or >= 75 cu m and < 151 cu m with maximum TVP >= 27.6 kPa and < 76.6 kPa	Y	
40 CFR 60.112b(a)(2)	Standard for Volatile Organic Compounds (VOC); External floating roof option	Y	
40 CFR 60.112b(a)(2)(i)	Standard for Volatile Organic Compounds (VOC); External floating roof seal requirements	Y	
40 CFR 60.112b(a)(2)(i)(A)	Standard for Volatile Organic Compounds (VOC); External floating roof primary seal requirements	Y	
40 CFR 60.112b(a)(2)(i)(B)	Standard for Volatile Organic Compounds (VOC); External floating roof secondary seal requirements	Y	
40 CFR 60.112b(a)(2)(ii)	Standard for Volatile Organic Compounds (VOC); External floating roof openings requirements	Y	
40 CFR 60.112b(a)(2)(iii)	Standard for Volatile Organic Compounds (VOC); External floating roof floating requirements	Y	
40 CFR 60.113b(b)(1)	Testing and Procedures; External floating roof seal gap measurement frequency	Y	
40 CFR 60.113b(b)(1)(i)	Testing and Procedures; External floating roof primary seal gaps measurement frequency	Y	
40 CFR 60.113b(b)(1)(ii)	Testing and Procedures; External floating roof secondary seal gaps measurement frequency	Y	
40 CFR 60.113b(b)(1)(iii)	Testing and Procedures; External floating roof reintroduction of VOL	Y	
40 CFR 60.113b(b)(2)	Testing and Procedures; External floating roof seal gap measurement procedures	Y	
40 CFR 60.113b(b)(2)(i)	Testing and Procedures; External floating roof measure seal gaps when roof is floating	Y	
40 CFR 60.113b(b)(2)(ii)	Testing and Procedures; External floating roof measure seal gaps around entire circumference	Y	
40 CFR 60.113b(b)(2)(iii)	Testing and Procedures; External floating roof seal method to determine surface area of seal gaps	Y	
40 CFR 60.113b(b)(3)	Testing and Procedures; External floating roof method to calculate total surface area ratio	Y	
40 CFR 60.113b(b)(4)	Testing and Procedures; External floating roof seal gap repair requirements	Y	
40 CFR 60.113b(b)(4)(i)	Testing and Procedures; External floating roof primary seal gap limitations	Y	
40 CFR 60.113b(b)(4)(i)(A)	Testing and Procedures; External floating roof mechanical shoe primary seal requirements	Y	
40 CFR 60.113b(b)(4)(i)(B)	Testing and Procedures; External floating roof primary seals no holes, tears, openings	Y	

IV. Source Specific Applicable Requirements

Table IV – B8
Source-Specific Applicable Requirements
NSPS KB ZERO GAP EXTERNAL FLOATING ROOF STORMWATER EQUILIZATION TANKS
S-101 (TANK 104), S-102 (TANK 105), S-106 (TANK 130)

40 CFR 60.113b(b)(4)(ii)	Testing and Procedures; External floating roof secondary seal gap limitations	Y	
40 CFR 60.113b(b)(4)(ii)(A)	Testing and Procedures; External floating roof secondary seal installation	Y	
40 CFR 60.113b(b)(4)(ii)(B)	Testing and Procedures; External floating roof secondary seal gap	Y	
40 CFR 60.113b(b)(4)(ii)(C)	Testing and Procedures; External floating roof secondary seals no holes, tears, openings	Y	
40 CFR 60.113b(b)(4)(iii)	Testing and Procedures; External floating roof 30-day extension request for seal gap repairs	Y	
40 CFR 60.113b(b)(5)	Testing and Procedures; External floating roof seal gap inspections 30 day notification	Y	
40 CFR 60.113b(b)(6)	Testing and Procedures; External floating roof visual inspection when emptied and degassed	Y	
40 CFR 60.113b(b)(6)(i)	Testing and Procedures; External floating roof--roof or seal defect repairs	Y	
40 CFR 60.113b(b)(6)(ii)	Testing and Procedures; External floating roof notification prior to filling	Y	
40 CFR 60.115b	Reporting and Recordkeeping Requirements; 60.112b(a) tanks; Record retention	Y	
40 CFR 60.115b(b)	Reporting and Recordkeeping Requirements; 60.112b(a) external floating	Y	
40 CFR 60.115b(b)(1)	Reporting and Recordkeeping Requirements; 60.112b(a) external floating roof control equipment description and certification	Y	
40 CFR 60.115b(b)(2)	Reporting and Recordkeeping Requirements; 60.112b(a) external floating roof seal gap measurement report – content requirements	Y	
40 CFR 60.115b(b)(3)	Reporting and Recordkeeping Requirements; 60.112b(a) external floating roof seal gap measurement records requirements	Y	
40 CFR 60.115b(b)(4)	Reporting and Recordkeeping Requirements; 60.112b(a) external floating roof seal gap exceedance report	Y	
40 CFR 60.116b(a)	Monitoring of Operations; Record retention	Y	
40 CFR 60.116b(b)	Monitoring of Operations; Permanent record requirements	Y	
40 CFR 60.116b(c)	Monitoring of Operations; VOL storage record requirements	Y	
40 CFR 60.116b(e)	Monitoring of Operations; Determine TVP	Y	
40 CFR 60.116b(e)(3)	Monitoring of Operations; Determine TVP-other liquids	Y	
40 CFR 60.116b(f)	Monitoring of Operations; Waste storage tanks (indeterminate or variable composition)	Y	
NSPS Title 40 Part 60 Subpart QQQ	**NSPS Subpart QQQ VOC Emissions from Petroleum Refinery Wastewater Systems REQUIREMENTS FOR STORAGE VESSELS ALSO SUBJECT TO NSPS Kb**		
40 CFR 60.690(a)(1)	Applicability and Designation of Affected Facility	Y	
40 CFR 60.690(a)(3)	Applicability and Designation of Affected Facility	Y	
40 CFR 60.692-1	Standards: General	Y	
40 CFR 60.692-1(a)	Standards: General	Y	

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Table IV – B8
Source-Specific Applicable Requirements
NSPS Kb Zero gap External Floating Roof Stormwater Equilization Tanks
S-101 (Tank 104), S-102 (Tank 105), S-106 (Tank 130)

40 CFR 60.692-1(b)	Standards: General	Y	
40 CFR 60.692-3	Standards: Oil-Water Separators (includes storage vessels)	Y	
40 CFR 60.692-3(d)	Standards: Oil-Water Separators (includes storage vessels) – Overlap with Kb	Y	
40 CFR 60.692-6	Standards: Delay of Repair	Y	
40 CFR 60.692-6(a)	Standards: Delay of Repair	Y	
40 CFR 60.692-6(b)	Standards: Delay of Repair	Y	
40 CFR 60.697	Recordkeeping Requirements	Y	
40 CFR 60.697(a)	Recordkeeping Requirements	Y	
40 CFR 60.697(e)(1)	Recordkeeping Requirements	Y	
40 CFR 60.697(e)(2)	Recordkeeping Requirements	Y	
40 CFR 60.697(e)(3)	Recordkeeping Requirements	Y	
40 CFR 60.697(e)(4)	Recordkeeping Requirements	Y	
40 CFR 60.697(f)(1)	Recordkeeping Requirements	Y	
40 CFR 60.697(f)(2)	Recordkeeping Requirements	Y	
BAAQMD Condition 20989, Part A	Throughput limits for sources S-101, S-102, S-106	Y	

Table IV – B9
Source-Specific Applicable Requirements
NSPS Kb Zero-Gap Internal Floating Roof Tank
S-448 (Tank 1007)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8 Rule 5	**Organic Compounds, Storage of Organic Liquids (11/27/02) REQUIREMENTS FOR INTERNAL FLOATING ROOF TANKS**		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO	Y	
8-5-111.1.1	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO; 3 day prior notification	Y	
8-5-111.1.2	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO; Telephone notification	Y	
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service; Compliance before notification	Y	
8-5-111.3	Limited Exemption, Tank Removal From and Return to Service; Floating roof tanks - continuous and quick filling, emptying and refilling	Y	
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service; Minimization of emissions	Y	

IV. Source Specific Applicable Requirements

Table IV – B9
Source-Specific Applicable Requirements
NSPS KB ZERO-GAP INTERNAL FLOATING ROOF TANK
S-448 (TANK 1007)

8-5-111.6	Limited Exemption, Tank Removal From and Return to Service; Written notice of completion not required	Y	
8-5-111.7	Limited Exemption, Tank Removal From and Return to Service; Compliance with Section 8-5-328	Y	
8-5-112	Limited Exemption, Tanks in Operation	Y	
8-5-112.1	Limited Exemption, Tanks in Operation; Notice to the APCO	Y	
8-5-112.1.1	Limited Exemption, Tanks in Operation; Notice to the APCO; 3 day prior notification	Y	
8-5-112.1.2	Limited Exemption, Tanks in Operation; Notice to the APCO; Telephone notification	Y	
8-5-112.2	Limited Exemption, Tanks in Operation; Compliance and certification before commencement of work	Y	
8-5-112.3	Limited Exemption, Tanks in Operation; No product movement; minimization of emissions	Y	
8-5-112.4	Limited Exemption, Tanks in Operation; Exemption does not exceed 7 days	Y	
8-5-301	Storage Tank Control Requirements (internal floating roof, external floating roof, or approved emission control system)	Y	
8-5-305	Requirements for Internal Floating roofs	Y	
8-5-305.2	Requirements for Internal Floating roofs; Seals installed after 2/1/1993	Y	
8-5-305.3	Requirements for Internal Floating roofs; Viewports in fixed roof tank	Y	
8-5-305.4	Requirements for Internal Floating roofs; Tank fitting requirements	Y	
8-5-305.5	Requirements for Internal Floating roofs; Floating roof requirements	Y	
8-5-320	Tank fitting requirements; Floating roof tanks	Y	
8-5-320.2	Tank fitting requirements; Floating roof tanks; Projection below liquid surface except p/v valves and vacuum breaker vents	Y	
8-5-320.3	Tank fitting requirements; Floating roof tanks; Gasketed covers, seals, lids	Y	
8-5-320.3.1	Tank fitting requirements; Floating roof tanks; Gasketed covers, seals, lids – Gap requirements	Y	
8-5-320.3.2	Tank fitting requirements; Floating roof tanks; Gasketed covers, seals, lids – Inaccessible openings on internal floating roof tanks	Y	
8-5-320.4	Tank fitting requirements; Floating roof tanks; Solid sampling or gauging wells	Y	
8-5-320.4.1	Tank fitting requirements; Floating roof tanks; Solid sampling or gauging wells; Projection below the liquid surface	Y	
8-5-320.4.2	Tank fitting requirements; Floating roof tanks; Solid sampling or gauging wells; Cover, seal, or lid	Y	
8-5-320.4.3	Tank fitting requirements; Floating roof tanks; Solid sampling or gauging wells; Gap between the well and the roof	Y	
8-5-320.6	Tank Fitting Requirements; Emergency roof drain	Y	
8-5-321	Primary seal requirements	Y	
8-5-321.1	Primary seal requirements; No holes, tears, or other openings	Y	
8-5-321.2	Primary seal requirements; The seal shall be metallic shoe or liquid mounted except as provided in 8-5-305.1.3	Y	
8-5-321.3	Primary seal requirements; Metallic shoe type seals requirements	Y	

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Table IV – B9
Source-Specific Applicable Requirements
NSPS KB ZERO-GAP INTERNAL FLOATING ROOF TANK
S-448 (TANK 1007)

8-5-321.3.1	Primary seal requirements; Metallic shoe type seals requirements; Geometry of shoe	Y	
8-5-321.3.2	Primary seal requirements; Metallic shoe type seals requirements; Gaps for welded tanks	Y	
8-5-322	Secondary seal requirements	Y	
8-5-322.1	Secondary seal requirements; No holes, tears, or other openings	Y	
8-5-322.2	Secondary seal requirements; Insertion of probes	Y	
8-5-322.5	Secondary seal requirements; Gaps for welded tanks with seals installed after 2/1/93	Y	
8-5-322.6	Secondary seal requirements; Extent of seal	Y	
8-5-328	Tank degassing requirements	Y	
8-5-328.1	Tank degassing requirements; tanks > 75 cubic meters	Y	
8-5-328.1.2	Tank degassing requirements; tanks > 75 cubic meters; Concentration of <10,000 ppm as methane after degassing	Y	
8-5-328.2	Tank degassing requirements; Ozone excess day prohibition	Y	
8-5-402	Inspection Requirements for Internal Floating Roof Tanks	Y	
8-5-402.1	Inspection Requirements for Internal Floating Roof Tanks; Primary and Secondary Seal Inspections – Seal gaps	Y	
8-5-402.2	Inspection Requirements for Internal Floating Roof Tanks; Visual Inspection of Outer Most Seal	Y	
8-5-402.3	Inspection Requirements for Internal Floating Roof Tanks; Tank Fitting Inspection	Y	
8-5-404	Certification	Y	
8-5-405	Information required	Y	
8-5-501	Records	Y	
8-5-501.1	Records; Type and amounts of liquid; true vapor pressure; Retain 24 months	Y	
8-5-501.2	Records; Internal and External Floating Roof Tanks; Seal Replacement Records – Retain 10 years	Y	
8-5-503	Portable hydrocarbon detector	Y	
8-5-602	Analysis of Samples, True Vapor Pressure	Y	
8-5-604	Determination of Applicability	Y	
NESHAPS Title 40 Part 63 Subpart CC	**National Emission Standards for Hazardous Air Pollutants for Petroleum Refining (8/18/95) REQUIREMENTS FOR INTERNAL FLOATING ROOF TANKS ALSO SUBJECT TO NSPS Kb**		
40 CFR 63.640(c)(2)	Applicability and Designation of Storage Vessels	Y	
40 CFR 63.640(n)(1)	Applicability and Designation of Affected Source Overlap for Storage Vessels--Existing Group 1 or Group 2 also subject to Kb only subject to Kb and 63.640(n)(8).	Y	
40 CFR 63.640(n)(8)	Applicability and Designation of Affected Source Overlap for Storage Vessels--Additional requirements for Kb storage vessels	Y	
40 CFR 63.640(n)(8)(ii)	Applicability and Designation of Affected Source Overlap for Storage Vessels--Additional requirements for Kb storage vessels	Y	
40 CFR 63.640(n)(8)(iii)	Applicability and Designation of Affected Source Overlap for Storage Vessels--Additional requirements for Kb storage vessels	Y	
40 CFR	Applicability and Designation of Affected Source Overlap for	Y	

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Source-Specific Applicable Requirements
NSPS KB ZERO-GAP INTERNAL FLOATING ROOF TANK
S-448 (TANK 1007)

63.640(n)(8)(iv)	Storage Vessels--Additional requirements for Kb storage vessels		
40 CFR 63.640(n)(8)(v)	Applicability and Designation of Affected Source Overlap for Storage Vessels--Additional requirements for Kb storage vessels	Y	
NSPS Title 40 Part 60 Subpart Kb	**NSPS Subpart Kb for Tanks (12/14/2000) REQUIREMENTS FOR INTERNAL FLOATING ROOF TANKS**		
40 CFR 60.110b(a)	Applicability and Designation of Affected Facility; Volatile organic liquid storage vessels > or = to 40 cu m, after 7/23/1984	Y	
40 CFR 60.112b(a)	Standard for Volatile Organic Compounds (VOC); Requirement for tanks-- > 151 cu m with maximum TVP >=5.2 kPa and <76.6; or >= 75 cu m and < 151 cu m with maximum TVP >= 27.6 kPa and < 76.6 kPa	Y	
40 CFR 60.112b(a)(1)	Standard for Volatile Organic Compounds (VOC); Fixed roof with internal floating roof option	Y	
40 CFR 60.112b(a)(1)(i)	Standard for Volatile Organic Compounds (VOC); Internal floating roof requirements	Y	
40 CFR 60.112b(a)(1)(ii)	Standard for Volatile Organic Compounds (VOC); Internal floating roof seal requirements	Y	
40 CFR 60.112b(a)(1)(ii)(B)	Standard for Volatile Organic Compounds (VOC); Internal floating roof double seal option	Y	
40 CFR 60.112b(a)(1)(iii)	Standard for Volatile Organic Compounds (VOC); Internal floating roof openings-projections below roof surface	Y	
40 CFR 60.112b(a)(1)(iv)	Standard for Volatile Organic Compounds (VOC); Internal floating roof openings covers	Y	
40 CFR 60.112b(a)(1)(v)	Standard for Volatile Organic Compounds (VOC); Internal floating roof automatic bleeder vents	Y	
40 CFR 60.112b(a)(1)(vi)	Standard for Volatile Organic Compounds (VOC); Internal floating roof rim space vents	Y	
40 CFR 60.112b(a)(1)(vii)	Standard for Volatile Organic Compounds (VOC); Internal floating roof sampling penetrations	Y	
40 CFR 60.112b(a)(1)(viii)	Standard for Volatile Organic Compounds (VOC); Internal floating roof support column penetrations	Y	
40 CFR 60.112b(a)(1)(ix)	Standard for Volatile Organic Compounds (VOC); Internal floating roof ladder penetrations	Y	
40 CFR 60.113b(a)(1)	Testing and Procedures; Internal floating roof visual inspection before filling. Repair any defects found during inspection before filling.	Y	
40 CFR 60.113b(a)(2)	Testing and Procedures; Internal floating roof tanks with liquid mounted or mechanical shoe primary seal, annual visual inspection through manholes and hatches (if complying with 40 CFR 60.113b(a)(3)(ii))	Y	
40 CFR 60.113b(a)(3)	Testing and Procedures; Internal floating roof with double seal system, inspection requirements	Y	
40 CFR 60.113b(a)(3)(ii)	Testing and Procedures; Internal floating roof with double seal system, inspection requirements - visually inspect per 40 CFR 60.113b(a)(2) annually and per 40 CFR 60.113b(a)(4) every 10 years.	Y	
40 CFR 60.113b(a)(4)	Testing and Procedures; Internal floating roof inspection requirements each time tank is emptied and degassed (10 year	Y	

IV. Source Specific Applicable Requirements

Table IV – B9
Source-Specific Applicable Requirements
NSPS KB ZERO-GAP INTERNAL FLOATING ROOF TANK
S-448 (TANK 1007)

	intervals if complying with 40 CFR 60.113b(a)(3)(ii))		
40 CFR 60.113b(a)(5)	Testing and Procedures; Internal floating roof, 30 day notification for filling after inspection	Y	
40 CFR 60.115b	Reporting and Recordkeeping Requirements; 60.112b(a) tanks; Record retention	Y	
40 CFR 60.115b(a)	Reporting and Recordkeeping Requirements; 60.112b(a) internal floating roof tanks	Y	
40 CFR 60.115b(a)(1)	Reporting and Recordkeeping Requirements; 60.112b(a) internal floating roof control equipment description and certification	Y	
40 CFR 60.115b(a)(2)	Reporting and Recordkeeping Requirements; 60.112b(a) internal floating roof inspection records	Y	
40 CFR 60.115b(a)(3)	Reporting and Recordkeeping Requirements; 60.112b(a) internal floating roof annual inspection defects report	Y	
40 CFR 60.115b(a)(4)	Reporting and Recordkeeping Requirements; 60.112b(a) internal floating roof double seal system inspection defects report	Y	
40 CFR 60.116b(a)	Monitoring of Operations; Record retention	Y	
40 CFR 60.116b(b)	Monitoring of Operations; Permanent record requirements	Y	
40 CFR 60.116b(c)	Monitoring of Operations; VOL storage record requirements	Y	
40 CFR 60.116b(e)	Monitoring of Operations; Determine TVP	Y	
40 CFR 60.116b(e)(2)	Monitoring of Operations; Determine TVP-crude oil and refined petroleum	Y	
BAAQMD Condition 12133			
Part 1	Annual throughput limit [Basis: Cumulative Increase]	Y	
Part 2	Requirements for tank openings [Basis: Cumulative Increase]	Y	
Part 3	Monthly throughput records [Basis: Cumulative Increase]	Y	

Table IV – B10
Source-Specific Applicable Requirements
INTERNAL FLOATING ROOF TANKS WITH DOME ROOFS
PREVIOUSLY EXTERNAL FLOATING ROOF TANKS
S-126 (TANK 172), S-257 (TANK 1004), S-258 (TANK 1005)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8 Rule 5	**Organic Compounds, Storage of Organic Liquids (11/27/02) REQUIREMENTS FOR INTERNAL FLOATING ROOF TANKS**		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO	Y	
8-5-111.1.1	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO; 3 day prior notification	Y	
8-5-111.1.2	Limited Exemption, Tank Removal From and Return to Service;	Y	

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Table IV – B10
Source-Specific Applicable Requirements
INTERNAL FLOATING ROOF TANKS WITH DOME ROOFS
PREVIOUSLY EXTERNAL FLOATING ROOF TANKS
S-126 (TANK 172), S-257 (TANK 1004), S-258 (TANK 1005)

	Notice to the APCO; Telephone notification		
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service; Compliance before notification	Y	
8-5-111.3	Limited Exemption, Tank Removal From and Return to Service; Floating roof tanks - continuous and quick filling, emptying and refilling	Y	
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service; Minimization of emissions	Y	
8-5-111.6	Limited Exemption, Tank Removal From and Return to Service; Written notice of completion not required	Y	
8-5-111.7	Limited Exemption, Tank Removal From and Return to Service; Compliance with Section 8-5-328	Y	
8-5-112	Limited Exemption, Tanks in Operation	Y	
8-5-112.1	Limited Exemption, Tanks in Operation; Notice to the APCO	Y	
8-5-112.1.1	Limited Exemption, Tanks in Operation; Notice to the APCO; 3 day prior notification	Y	
8-5-112.1.2	Limited Exemption, Tanks in Operation; Notice to the APCO; Telephone notification	Y	
8-5-112.2	Limited Exemption, Tanks in Operation; Compliance and certification before commencement of work	Y	
8-5-112.3	Limited Exemption, Tanks in Operation; No product movement; minimization of emissions	Y	
8-5-112.4	Limited Exemption, Tanks in Operation; Exemption does not exceed 7 days	Y	
8-5-301	Storage Tank Control Requirements (internal floating roof, external floating roof, or approved emission control system)	Y	
8-5-303	Requirements for Pressure Vacuum Valves (applies only to S-126 and S-258)	Y	
8-5-303.1	Requirements for Pressure Vacuum Valves; Set pressure (applies only to S-126 and S-258)	Y	
8-5-303.2	Requirements for Pressure Vacuum Valves; Installation, maintenance, operation (applies only to S-126 and S-258)	Y	
8-5-305	Requirements for Internal Floating roofs	Y	
8-5-305.2	Requirements for Internal Floating roofs; Seals installed after 2/1/1993	Y	
8-5-305.3	Requirements for Internal Floating roofs; Viewports in fixed roof tank; not required if dome roof has translucent panels	Y	
8-5-305.4	Requirements for Internal Floating roofs; Tank fitting requirements	Y	
8-5-305.5	Requirements for Internal Floating roofs; Floating roof requirements	Y	
8-5-320	Tank fitting requirements; Floating roof tanks	Y	
8-5-320.2	Tank fitting requirements; Floating roof tanks; Projection below liquid surface except p/v valves and vacuum breaker vents	Y	
8-5-320.3	Tank fitting requirements; Floating roof tanks; Gasketed covers, seals, lids	Y	
8-5-320.3.1	Tank fitting requirements; Floating roof tanks; Gasketed covers, seals, lids – Gap requirements	Y	

IV. Source Specific Applicable Requirements

Table IV – B10
Source-Specific Applicable Requirements
INTERNAL FLOATING ROOF TANKS WITH DOME ROOFS
PREVIOUSLY EXTERNAL FLOATING ROOF TANKS
S-126 (TANK 172), S-257 (TANK 1004), S-258 (TANK 1005)

8-5-320.3.2	Tank fitting requirements; Floating roof tanks; Gasketed covers, seals, lids – Inaccessible openings on internal floating roof tanks	Y	
8-5-320.4	Tank fitting requirements; Floating roof tanks; Solid sampling or gauging wells	Y	
8-5-320.4.1	Tank fitting requirements; Floating roof tanks; Solid sampling or gauging wells; Projection below the liquid surface	Y	
8-5-320.4.2	Tank fitting requirements; Floating roof tanks; Solid sampling or gauging wells; Cover, seal, or lid	Y	
8-5-320.4.3	Tank fitting requirements; Floating roof tanks; Solid sampling or gauging wells; Gap between the well and the roof	Y	
8-5-320.6	Tank Fitting Requirements; Emergency roof drain	Y	
8-5-321	Primary seal requirements	Y	
8-5-321.1	Primary seal requirements; No holes, tears, or other openings	Y	
8-5-321.2	Primary seal requirements; The seal shall be metallic shoe or liquid mounted except as provided in 8-5-305.1.3	Y	
8-5-321.3	Primary seal requirements; Metallic shoe type seals requirements	Y	
8-5-321.3.1	Primary seal requirements; Metallic shoe type seals requirements; Geometry of shoe	Y	
8-5-321.3.2	Primary seal requirements; Metallic shoe type seals requirements; Gaps for welded tanks	Y	
8-5-322	Secondary seal requirements	Y	
8-5-322.1	Secondary seal requirements; No holes, tears, or other openings	Y	
8-5-322.2	Secondary seal requirements; Insertion of probes	Y	
8-5-322.5	Secondary seal requirements; Gaps for welded tanks with seals installed after 2/1/93 – note 2	Y	
8-5-322.6	Secondary seal requirements; Extent of seal	Y	
8-5-328	Tank degassing requirements	Y	
8-5-328.1	Tank degassing requirements; tanks > 75 cubic meters	Y	
8-5-328.1.2	Tank degassing requirements; tanks > 75 cubic meters; Concentration of <10,000 ppm as methane after degassing	Y	
8-5-328.2	Tank degassing requirements; Ozone excess day prohibition	Y	
8-5-402	Inspection Requirements for Internal Floating Roof Tanks	Y	
8-5-402.1	Inspection Requirements for Internal Floating Roof Tanks; Primary and Secondary Seal Inspections – Seal gaps	Y	
8-5-402.2	Inspection Requirements for Internal Floating Roof Tanks; Visual Inspection of Outer Most Seal	Y	
8-5-402.3	Inspection Requirements for Internal Floating Roof Tanks; Tank Fitting Inspection	Y	
8-5-403	Inspection Requirements for Pressure Vacuum Valves (applies only to S-126 and S-258)	Y	
8-5-404	Certification	Y	
8-5-405	Information required	Y	
8-5-501	Records	Y	
8-5-501.1	Records; Type and amounts of liquid; true vapor pressure; Retain 24 months	Y	
8-5-501.2	Records; Internal and External Floating Roof Tanks; Seal	Y	

IV. Source Specific Applicable Requirements

Table IV – B10
Source-Specific Applicable Requirements
INTERNAL FLOATING ROOF TANKS WITH DOME ROOFS
PREVIOUSLY EXTERNAL FLOATING ROOF TANKS
S-126 (TANK 172), S-257 (TANK 1004), S-258 (TANK 1005)

	Replacement Records – Retain 10 years		
8-5-503	Portable hydrocarbon detector	Y	
8-5-602	Analysis of Samples, True Vapor Pressure	Y	
8-5-604	Determination of Applicability	Y	
8-5-605	Pressure Vacuum Valve Gas Tight Determination (applies only to S-126 and S-258)	Y	
NESHAPS Title 40 Part 63 Subpart G	**SOCMI HON G (01/27/1995) REQUIREMENTS FOR INTERNAL FLOATING ROOF TANKS**		
40 CFR 63.119(a)	Storage Vessel Provisions -- Reference Control Technology	Y	
40 CFR 63.119(a)(1)	Storage Vessel Provisions -- Reference Control Technology--Group 1, TVP < 76.6 kPa	Y	
40 CFR 63.119(b)	Storage Vessel Provisions -- Reference Control Technology—Internal floating roof	Y	
40 CFR 63.119(b)(1)	Storage Vessel Provisions -- Reference Control Technology--Internal floating roof--Must float on liquid	Y	
40 CFR 63.119(b)(1)(i)	Storage Vessel Provisions -- Reference Control Technology--Internal floating roof --Must float on liquid except during initial fill	Y	
40 CFR 63.119(b)(1)(ii)	Storage Vessel Provisions -- Reference Control Technology--Internal floating roof-- Must float on liquid except after completely emptied and degassed	Y	
40 CFR 63.119(b)(1)(iii)	Storage Vessel Provisions -- Reference Control Technology--Internal floating roof -- Must float on liquid except when completely emptied before refilling	Y	
40 CFR 63.119(b)(2)	Storage Vessel Provisions -- Reference Control Technology--Internal Floating Roof Operations, when not floating	Y	
40 CFR 63.119(b)(3)	Storage Vessel Provisions -- Reference Control Technology--Internal floating roof – seals; must have at least one seal	Y	
40 CFR 63.119(b)(3)(i)	Storage Vessel Provisions -- Reference Control Technology--Internal floating roof – seal option; single liquid-mounted seal	Y	
40 CFR 63.119(b)(3)(ii)	Storage Vessel Provisions -- Reference Control Technology--Internal floating roof - seal option; single metallic shoe seal	Y	
40 CFR 63.119(b)(3)(iii)	Storage Vessel Provisions -- Reference Control Technology--Internal floating roof - seal option; double seal, lower can be vapor mounted	Y	
40 CFR 63.119(b)(4)	Storage Vessel Provisions -- Reference Control Technology--Internal floating roof – automatic bleeder valve requirements	Y	
40 CFR 63.120(a)	Storage Vessel Provisions -- Procedures to Determine Compliance--Compliance Demonstration--Internal floating roof	Y	
40 CFR 63.120(a)(1)	Storage Vessel Provisions -- Procedures to Determine Compliance—Internal FR tank inspection schedule	Y	
40 CFR 63.120(a)(3)	Storage Vessel Provisions -- Procedures to Determine Compliance—Internal FR tank inspections – tanks with double seals	Y	
40 CFR 63.120(a)(3)(ii)	Storage Vessel Provisions -- Procedures to Determine Compliance--Internal FR tank inspections – tanks with double seals - annual visual inspection of IFR and secondary seal through manholes and roof hatches. Also must comply with 40 CFR 63.120(a)(3)(iii) every	Y	

IV. Source Specific Applicable Requirements

Table IV – B10
Source-Specific Applicable Requirements
INTERNAL FLOATING ROOF TANKS WITH DOME ROOFS
PREVIOUSLY EXTERNAL FLOATING ROOF TANKS
S-126 (TANK 172), S-257 (TANK 1004), S-258 (TANK 1005)

	time emptied and degassed and every 10 years.		
40 CFR 63.120(a)(3)(iii)	Storage Vessel Provisions -- Procedures to Determine Compliance--Internal FR tank inspections – tanks with double seals - visually inspect IFR and both seals each time emptied and degassed and at least once every 10 years [does not apply to gaskets, slotted membranes, or sleeve seals for Group 1 Refinery MACT tanks per 40 CFR 63.646(e)]. Also must comply with annual visual inspection in 40 CFR 63.120(a)(3)(ii).	Y	
40 CFR 63.120(a)(4)	Storage Vessel Provisions -- Procedures to Determine Compliance Internal FR Repairs must be made within 45 days after identification or empty and remove tank from service. Two 30 day extensions are allowed to empty the tank. Decision to use extension must be documented.	Y	
40 CFR 63.120(a)(5)	Storage Vessel Provisions -- Procedures to Determine Compliance Internal FR and seal visual inspection each time emptied – 30 day notification required for 10 year inspection (63.120(a)(3)(iii))	Y	
40 CFR 63.120(a)(6)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR and seal visual inspection each time emptied –- Notification for unplanned	Y	
40 CFR 63.120(a)(7)	Storage Vessel Provisions -- Procedures to Determine Compliance--Internal FR and seal visual inspection each time emptied – Repair defects before refilling [does not apply to gaskets, slotted membranes, or sleeve seals for Group 1 Refinery MACT tanks per 40 CFR 63.646(e)]	Y	
40 CFR 63.123(a)	Storage Vessel Provisions -- Recordkeeping--Group 1 and Group 2 storage vessel dimensions and capacity. Keep for life of source.	Y	
40 CFR 63.123(c)	Storage Vessel Provisions -- Recordkeeping--Group 1 Internal floating roof tank requirements - records of each tank inspection	Y	
40 CFR 63.123(g)	Storage Vessel Provisions -- Recordkeeping, Extensions for emptying storage vessel – keep documentation specified	Y	
NESHAPS Title 40 Part 63 Subpart CC	**NESHAPS for Petroleum Refineries (06/12/1996) REQUIREMENTS FOR INTERNAL FLOATING ROOF TANKS**		
40 CFR 63.640(c)(2)	Applicability and Designation of Storage Vessels	Y	
40 CFR 63.646(a)	Storage Vessel Provisions--Group 1	Y	
40 CFR 63.646(b)(1)	Storage Vessel Provisions--Determine stored liquid % OHAP for group determination	Y	
40 CFR 63.646(b)(2)	Storage Vessel Provisions--Determine stored liquid % OHAP-method 18 to resolve disputes	Y	
40 CFR 63.646(c)	Storage Vessel Provisions—40 CFR 63 Subpart G exclusions for storage vessels [IFRs exempt from 63.119(b)(5) and (b)(6)]	Y	
40 CFR 63.646(d)	Storage Vessel Provisions--References	Y	
40 CFR 63.646(d)(2)	Storage Vessel Provisions--References to April 22,1994	Y	
40 CFR 63.646(d)(3)	Storage Vessel Provisions--References to December 31, 1992	Y	

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Table IV – B10
Source-Specific Applicable Requirements
INTERNAL FLOATING ROOF TANKS WITH DOME ROOFS
PREVIOUSLY EXTERNAL FLOATING ROOF TANKS
S-126 (TANK 172), S-257 (TANK 1004), S-258 (TANK 1005)

40 CFR 63.646(d)(4)	Storage Vessel Provisions--References to compliance dates in 40 CFR 63.100 of Subpart F	Y	
40 CFR 63.646(e)	Storage Vessel Provisions—Exceptions for compliance with inspection requirements of 40 CFR 63.120 of Subpart G – Not required to comply with provisions for gaskets, slotted membranes, and sleeve seals.	Y	
40 CFR 63.646(f)	Storage Vessel Provisions--Group 1 floating roof requirements	Y	
40 CFR 63.646(f)(1)	Storage Vessel Provisions—Group 1 floating roof requirements--Covers or lids closed except when in use	Y	
40 CFR 63.646(f)(2)	Storage Vessel Provisions--Group 1 floating roof requirements--Rim space vents requirements	Y	
40 CFR 63.646(f)(3)	Storage Vessel Provisions-Group 1 floating roof requirements--Automatic bleeder vents requirements	Y	
40 CFR 63.646(l)	Storage Vessel Provisions--State or local permitting agency notification requirements	Y	
40 CFR 63.654(f)	Reporting and Recordkeeping Requirements--Notice of compliance status report requirements	Y	
40 CFR 63.654(f)(1)	Reporting and Recordkeeping Requirements--Notice of compliance status report requirements	Y	
40 CFR 63.654(f)(1)(i)	Reporting and Recordkeeping Requirements--Notice of compliance status report requirements--Reporting--storage vessels	Y	
40 CFR 63.654(f)(1)(i)(A)	Reporting and Recordkeeping Requirements--Notice of compliance status report requirements--Reporting--storage vessels	Y	
40 CFR 63.654(f)(1)(i)(A)(1)	Reporting and Recordkeeping Requirements--Notice of compliance status report requirements--Reporting--storage vessels	Y	
40 CFR 63.654(g)	Periodic Reporting and Recordkeeping Requirements	Y	
40 CFR 63.654(g)(1)	Periodic Reporting and Recordkeeping Requirements--storage vessels [Information related to gaskets, slotted membranes, and sleeve seals not required for storage vessels that are part of existing source]	Y	
40 CFR 63.654(g)(2)	Periodic Reporting and Recordkeeping Requirements-- internal floating roof tanks – submit results of each tank inspection where failure is detected in control equipment	Y	
40 CFR 63.654(g)(2)(i)	Periodic Reporting and Recordkeeping Requirements--internal floating roof tanks – submit results of each tank inspection where failure is detected in control equipment – annual inspection reports	Y	
40 CFR 63.654(g)(2)(i)(A)	Periodic Reporting and Recordkeeping Requirements-- internal floating roof tanks – submit results of each tank inspection where failure is detected in control equipment – annual inspection report; definition of failure	Y	
40 CFR 63.654(g)(2)(i)(B)	Periodic Reporting and Recordkeeping Requirements—internal floating roof tanks - submit results of each tank inspection where failure is detected in control equipment – annual inspection report; Periodic Report requirements	Y	
40 CFR 63.654(g)(2)(i)(C)	Periodic Reporting and Recordkeeping Requirements—internal floating roof tanks – submit results of each tank inspection where failure is detected in control equipment – annual inspection report;	Y	

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Table IV – B10
Source-Specific Applicable Requirements
INTERNAL FLOATING ROOF TANKS WITH DOME ROOFS
PREVIOUSLY EXTERNAL FLOATING ROOF TANKS
S-126 (TANK 172), S-257 (TANK 1004), S-258 (TANK 1005)

	extension documentation		
40 CFR 63.654(g)(2)(ii)	Periodic Reporting and Recordkeeping Requirements-- internal floating roof tanks – submit results of each tank inspection where failure is detected in control equipment – internal inspection report	Y	
40 CFR 63.654(g)(2)(ii)(A)	Periodic Reporting and Recordkeeping Requirements-- internal floating roof tanks – submit results of each tank inspection where failure is detected in control equipment – internal inspection report; definition of failure	Y	
40 CFR 63.654(g)(2)(ii)(B)	Periodic Reporting and Recordkeeping Requirements-- internal floating roof tanks – submit results of each tank inspection where failure is detected in control equipment – internal inspection report; Periodic report requirements	Y	
40 CFR 63.654(h)(2)	Reporting and Recordkeeping Requirements--Other reports--Storage vessel notification of inspections.	Y	
40 CFR 63.654(h)(2)(i)	Reporting and Recordkeeping Requirements--Other reports--Storage vessel notification of inspections – refilling Group 1 storage vessel.	Y	
40 CFR 63.654(h)(2)(ii)	Reporting and Recordkeeping Requirements--Other reports--Storage vessel notification of inspections –Group 1 storage vessel seal gap measurements – 30 day notification [can be waived or modified by state or local].	Y	
40 CFR 63.654(h)(6)	Reporting and Recordkeeping Requirements--Other reports--Determination of Applicability	Y	
40 CFR 63.654(h)(6)(ii)	Reporting and Recordkeeping Requirements--Other reports--Determination of Applicability	Y	
40 CFR 63.654(i)(1)	Reporting and Recordkeeping Requirements--Recordkeeping for storage vessels – keep records specified in 40 CFR 63.123 (Subpart G)	Y	
40 CFR 63.654(i)(1)(i)	Reporting and Recordkeeping Requirements--Recordkeeping for storage vessels– keep records specified in 40 CFR 63.123 (Subpart G) except records related to gaskets, slotted membranes, and sleeve seals for vessels in existing sources	Y	
40 CFR 63.654(i)(4)	Reporting and Recordkeeping Requirements—Recordkeeping for storage vessels--Record retention – 5 years	Y	
BAAQMD Condition 20989, Part A	Throughput limits for sources S-126, S-257, S-258	N	

2 Seals in S-257 and S-258 were installed prior to 2/1/1993, but these tanks will be treated as zero-gap tanks because the seals have met these requirements when the tanks were considered external floating roof.

Table IV – B11
Source-Specific Applicable Requirements
NSPS KB FIXED ROOF TANKS WITH VAPOR RECOVERY TO FUEL GAS
S-360 (TANK 223), S-445 (TANK 271), S-449 (TANK 285)

IV. Source Specific Applicable Requirements

Table IV – B11
Source-Specific Applicable Requirements
NSPS KB FIXED ROOF TANKS WITH VAPOR RECOVERY TO FUEL GAS
S-360 (TANK 223), S-445 (TANK 271), S-449 (TANK 285)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD · Regulation 8, Rule 5	**Organic Compounds, Storage of Organic Liquids (11/27/02) REQUIREMENTS FOR FIXED ROOF TANKS**		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO	Y	
8-5-111.1.1	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO; 3 day prior notification	Y	
8-5-111.1.2	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO; Telephone notification	Y	
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service; Compliance before notification	Y	
8-5-111.4	Limited Exemption, Tank Removal From and Return to Service; Use of vapor recovery	Y	
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service; Minimization of emissions	Y	
8-5-111.6	Limited Exemption, Tank Removal From and Return to Service; Written notice of completion not required	Y	
8-5-111.7	Limited Exemption, Tank Removal From and Return to Service; Compliance with Section 8-5-328	Y	
8-5-112	Limited Exemption, Tanks in Operation	Y	
8-5-112.1	Limited Exemption, Tanks in Operation; Notice to the APCO	Y	
8-5-112.1.1	Limited Exemption, Tanks in Operation; Notice to the APCO; 3 day prior notification	Y	
8-5-112.1.2	Limited Exemption, Tanks in Operation; Notice to the APCO; Telephone notification	Y	
8-5-112.2	Limited Exemption, Tanks in Operation; Compliance and certification before commencement of work	Y	
8-5-112.3	Limited Exemption, Tanks in Operation; No product movement; minimization of emissions	Y	
8-5-112.4	Limited Exemption, Tanks in Operation; Exemption does not exceed 7 days	Y	
8-5-301	Storage Tank Control Requirements (internal floating roof, external floating roof, or approved emission control system)	Y	
8-5-303	Requirements for Pressure Vacuum Valves	Y	
8-5-303.1	Requirements for Pressure Vacuum Valves; Set pressure	Y	
8-5-303.2	Requirements for Pressure Vacuum Valves; Installation, maintenance, operation	Y	
8-5-306	Requirements for Approved Emission Control Systems	Y	
8-5-328	Tank Degassing Requirements	Y	
8-5-328.1	Tank Degassing Requirements; Tanks > 75 cubic meters	Y	

IV. Source Specific Applicable Requirements

Table IV – B11
Source-Specific Applicable Requirements
NSPS KB FIXED ROOF TANKS WITH VAPOR RECOVERY TO FUEL GAS
S-360 (TANK 223), S-445 (TANK 271), S-449 (TANK 285)

8-5-328.1.2	Tank Degassing Requirements; Tanks > 75 cubic meters; Concentration of <10,000 ppm as methane after degassing	Y	
8-5-328.2	Tank degassing requirements; Ozone excess day prohibition	Y	
8-5-403	Inspection Requirements for Pressure Vacuum Valves	Y	
8-5-404	Certification	Y	
8-5-501	Records	Y	
8-5-501.1	Records; Type and amounts of liquid; true vapor pressure; Retain 24 months	Y	
8-5-503	Portable hydrocarbon detector	Y	
8-5-602	Analysis of Samples, True Vapor Pressure	Y	
8-5-603	Determination of emissions	Y	
8-5-603.1	Determination of Emissions; Organic compounds specified in 8-5-306	Y	
8-5-604	Determination of Applicability	Y	
8-5-605	Pressure Vacuum Valve Gas Tight Determination	Y	
NESHAPS Title 40 Part 63 Subpart CC	**National Emission Standards for Hazardous Air Pollutants for Petroleum Refining (8/18/95)** **EXEMPTION FOR TANKS VENTED TO FUEL GAS SYSTEM**		
40 CFR 63.640(c)(2)	Applicability and Designation of Storage Vessels	Y	
40 CFR 63.640(d)(5)	Exemption for emission points routed to fuel gas system	Y	
NSPS Title 40 Part 60 Subpart Kb	**NSPS Subpart Kb for Tanks (12/14/2000)** **REQUIREMENTS FOR FIXED ROOF TANKS**		
40 CFR 60.110b(a)	Applicability and Designation of Affected Facility; Volatile organic liquid storage vessels > or = to 40 cu m, after 7/23/1984	Y	
40 CFR 60.112b(a)(3)	Standard for Volatile Organic Compounds (VOC); Closed vent system and control device	Y	
40 CFR 60.112b(a)(3)(i)	Standard for Volatile Organic Compounds (VOC); Closed vent system and control device no detectable emissions per 40 CFR 60.485(b) (Subpart VV)	Y	
40 CFR 60.112b(a)(3)(ii)	Standard for Volatile Organic Compounds (VOC); Closed vent system and control device >= 95% inlet VOC emission reduction	Y	
40 CFR 60.113b(c)	Testing and Procedures; Closed vent system and control device (not flare)	Y	
40 CFR 60.113b(c)(1)	Testing and Procedures; Closed vent system and control device (not flare) operating plan submission	Y	
40 CFR 60.113b(c)(1)(i)	Testing and Procedures; Closed vent system and control device (not flare) operating plan--efficiency demonstration	Y	
40 CFR 60.113b(c)(1)(ii)	Testing and Procedures; Closed vent system and control device (not flare) operating plan--monitoring parameters	Y	
40 CFR 60.113b(c)(2)	Testing and Procedures; Closed vent system and control device (not flare) operate in accordance with operating plan	Y	
40 CFR 60.115b	Reporting and Recordkeeping Requirements; 40 CFR 60.112b(a) tanks; Record retention	Y	

IV. Source Specific Applicable Requirements

Table IV – B11
Source-Specific Applicable Requirements
NSPS KB FIXED ROOF TANKS WITH VAPOR RECOVERY TO FUEL GAS
S-360 (TANK 223), S-445 (TANK 271), S-449 (TANK 285)

40 CFR 60.115b(c)	Reporting and Recordkeeping Requirements; Closed vent system and control device (not flare)	Y	
40 CFR 60.115b(c)(1)	Reporting and Recordkeeping Requirements; Closed vent system and control device (not flare) operating plan copy – Retain for life of control device	Y	
40 CFR 60.115b(c)(2)	Reporting and Recordkeeping Requirements; Closed vent system and control device (not flare) operating records – Retain for at least 2 years	Y	
40 CFR 60.116b(a)	Monitoring of Operations; Record retention	Y	
40 CFR 60.116b(b)	Monitoring of Operations; Permanent record requirements	Y	
40 CFR 60.116b(e)	Monitoring of Operations; Determine TVP	Y	
40 CFR 60.116b(e)(2)	Monitoring of Operations; Determine TVP-crude oil or refined petroleum products	Y	
40 CFR 60.116b(g)	Monitoring of Operations; Exemption from 40 CFR 60.116b(c) and 40 CFR 60.116b(d) for tanks with closed vent system and control device	Y	
BAAQMD Condition 12130	**APPLICABLE TO S-445**		
Part 1	Requirement to vent emissions to fuel gas system [Basis: Cumulative Increase]	Y	
BAAQMD Condition 11219	**APPLICABLE TO S-449**		
Part 1	Requirement to vent emissions to fuel gas system [Basis: Cumulative Increase]	Y	
BAAQMD Condition 20989, Part A	Throughput limits for sources S-360	Y	

Table IV – B12
Source-Specific Applicable Requirements
NSPS KB FIXED ROOF TANKS WITH VAPOR PRESSURE >= 76.6 KPA (11 PSIA)
WITH VAPOR RECOVERY TO FUEL GAS
S-446 (TANK 310), S-447 (TANK 311)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 5	**Organic Compounds, Storage of Organic Liquids (11/27/02) REQUIREMENTS FOR FIXED ROOF TANKS**		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	

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Table IV – B12
Source-Specific Applicable Requirements
NSPS KB FIXED ROOF TANKS WITH VAPOR PRESSURE >= 76.6 KPA (11 PSIA)
WITH VAPOR RECOVERY TO FUEL GAS
S-446 (TANK 310), S-447 (TANK 311)

8-5-111.1	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO	Y	
8-5-111.1.1	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO; 3 day prior notification	Y	
8-5-111.1.2	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO; Telephone notification	Y	
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service; Compliance before notification	Y	
8-5-111.4	Limited Exemption, Tank Removal From and Return to Service; Use of vapor recovery	Y	
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service; Minimization of emissions	Y	
8-5-111.6	Limited Exemption, Tank Removal From and Return to Service; Written notice of completion not required	Y	
8-5-111.7	Limited Exemption, Tank Removal From and Return to Service; Compliance with Section 8-5-328	Y	
8-5-112	Limited Exemption, Tanks in Operation	Y	
8-5-112.1	Limited Exemption, Tanks in Operation; Notice to the APCO	Y	
8-5-112.1.1	Limited Exemption, Tanks in Operation; Notice to the APCO; 3 day prior notification	Y	
8-5-112.1.2	Limited Exemption, Tanks in Operation; Notice to the APCO; Telephone notification	Y	
8-5-112.2	Limited Exemption, Tanks in Operation; Compliance and certification before commencement of work	Y	
8-5-112.3	Limited Exemption, Tanks in Operation; No product movement; minimization of emissions	Y	
8-5-112.4	Limited Exemption, Tanks in Operation; Exemption does not exceed 7 days	Y	
8-5-301	Storage Tank Control Requirements (internal floating roof, external floating roof, or approved emission control system)	Y	
8-5-303	Requirements for Pressure Vacuum Valves	Y	
8-5-303.1	Requirements for Pressure Vacuum Valves; Set pressure	Y	
8-5-303.2	Requirements for Pressure Vacuum Valves; Installation, maintenance, operation	Y	
8-5-306	Requirements for Approved Emission Control Systems	Y	
8-5-328	Tank Degassing Requirements	Y	
8-5-328.1	Tank Degassing Requirements; Tanks > 75 cubic meters	Y	
8-5-328.1.2	Tank Degassing Requirements; Tanks > 75 cubic meters; Concentration of <10,000 ppm as methane after degassing	Y	
8-5-328.2	Tank degassing requirements; Ozone excess day prohibition	Y	
8-5-403	Inspection Requirements for Pressure Vacuum Valves	Y	
8-5-404	Certification	Y	

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Table IV – B12
Source-Specific Applicable Requirements
NSPS KB FIXED ROOF TANKS WITH VAPOR PRESSURE >= 76.6 KPA (11 PSIA) WITH VAPOR RECOVERY TO FUEL GAS
S-446 (TANK 310), S-447 (TANK 311)

8-5-501	Records	Y	
8-5-501.1	Records; Type and amounts of liquid; true vapor pressure; Retain 24 months	Y	
8-5-503	Portable hydrocarbon detector	Y	
8-5-602	Analysis of Samples, True Vapor Pressure	Y	
8-5-603	Determination of emissions	Y	
8-5-603.1	Determination of Emissions; Organic compounds specified in 8-5-306	Y	
8-5-604	Determination of Applicability	Y	
8-5-605	Pressure Vacuum Valve Gas Tight Determination	Y	
NESHAPS Title 40 Part 63 Subpart CC	**National Emission Standards for Hazardous Air Pollutants for Petroleum Refining (8/18/95) EXEMPTION FOR TANKS VENTED TO FUEL GAS SYSTEM**		
40 CFR 63.640(c)(2)	Applicability and Designation of Storage Vessels	Y	
40 CFR 63.640(d)(5)	Exemption for emission points routed to fuel gas system	Y	
NSPS Title 40 Part 60 Subpart Kb	**NSPS Subpart Kb for Tanks (12/14/2000) REQUIREMENTS FOR FIXED ROOF TANKS**		
40 CFR 60.110b(a)	Applicability and Designation of Affected Facility; Volatile organic liquid storage vessels > or = to 40 cu m, after 7/23/1984	Y	
40 CFR 60.112b(a)(3)	Standard for Volatile Organic Compounds (VOC); Closed vent system and control device	Y	
40 CFR 60.112b(a)(3)(i)	Standard for Volatile Organic Compounds (VOC); Closed vent system and control device no detectable emissions per 40 CFR 60.485(b) (Subpart VV)	Y	
40 CFR 60.112b(a)(3)(ii)	Standard for Volatile Organic Compounds (VOC); Closed vent system and control device >= 95% inlet VOC emission reduction	Y	
40 CFR 60.112b(b)	Standard for Volatile Organic Compounds (VOC); Requirements for tanks >= 75 cu m and maximum TVP >= 76.6 kPa (11.1 psia)	Y	
40 CFR 60.112b(b)(1)	Standard for Volatile Organic Compounds (VOC); Closed vent system and control device option per 40 CFR60.112b(a)(3)	Y	
40 CFR 60.113b(c)	Testing and Procedures; Closed vent system and control device (not flare)	Y	
40 CFR 60.113b(c)(1)	Testing and Procedures; Closed vent system and control device (not flare) operating plan submission	Y	
40 CFR 60.113b(c)(1)(i)	Testing and Procedures; Closed vent system and control device (not flare) operating plan--efficiency demonstration	Y	
40 CFR 60.113b(c)(1)(ii)	Testing and Procedures; Closed vent system and control device (not flare) operating plan--monitoring parameters	Y	
40 CFR 60.113b(c)(2)	Testing and Procedures; Closed vent system and control device (not flare) operate in accordance with operating plan	Y	
40 CFR 60.115b	Reporting and Recordkeeping Requirements; 40 CFR 60.112b(a) tanks;	Y	

IV. Source Specific Applicable Requirements

Table IV – B12
Source-Specific Applicable Requirements
NSPS KB FIXED ROOF TANKS WITH VAPOR PRESSURE >= 76.6 KPA (11 PSIA)
WITH VAPOR RECOVERY TO FUEL GAS
S-446 (TANK 310), S-447 (TANK 311)

	Record retention		
40 CFR 60.115b(c)	Reporting and Recordkeeping Requirements; Closed vent system and control device (not flare)	Y	
40 CFR 60.115b(c)(1)	Reporting and Recordkeeping Requirements; Closed vent system and control device (not flare) operating plan copy – Retain for life of control device	Y	
40 CFR 60.115b(c)(2)	Reporting and Recordkeeping Requirements; Closed vent system and control device (not flare) operating records – Retain for at least 2 years	Y	
40 CFR 60.116b(a)	Monitoring of Operations; Record retention	Y	
40 CFR 60.116b(b)	Monitoring of Operations; Permanent record requirements	Y	
40 CFR 60.116b(e)	Monitoring of Operations; Determine TVP	Y	
40 CFR 60.116b(e)(2)	Monitoring of Operations; Determine TVP-crude oil or refined petroleum products	Y	
40 CFR 60.116b(g)	Monitoring of Operations; Exemption from 40 CFR 60.116b(c) and 40 CFR 60.116b(d) for tanks with closed vent system and control device	Y	
BAAQMD Condition 12131	**APPLICABLE TO S-446**		
Part 1	Requirement to vent emissions to fuel gas system [Basis: Cumulative Increase]	Y	
BAAQMD Condition 12132	**APPLICABLE TO S-447**		
Part 1	Requirement to vent emissions to fuel gas system [Basis: Cumulative Increase]	Y	

Table IV – B13
Source-Specific Applicable Requirements
MACT ZERO-GAP EXTERNAL FLOATING ROOF TANKS
S-97 (TANK 100), S-100 (TANK 103), S-110 (TANK 155), S-111 (TANK 156), S-112 (TANK 157), S-114 (TANK 159), S-115 (TANK 160), S-122 (TANK 167), S-123 (TANK 168), S-128 (TANK 174), S-129 (TANK 180), S-150 (TANK 241), S-151 (TANK 242), S-177 (TANK 287), S-178 (TANK 288), S-186 (TANK 298), S-254 (TANK 1001), S-255 (TANK 1002), S-256 (TANK 1003), S-259 (TANK 1006)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8 Rule 5	**Organic Compounds, Storage of Organic Liquids (11/27/02) REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS**		

IV. Source Specific Applicable Requirements

Table IV – B13
Source-Specific Applicable Requirements
MACT ZERO-GAP EXTERNAL FLOATING ROOF TANKS
S-97 (TANK 100), S-100 (TANK 103), S-110 (TANK 155), S-111 (TANK 156), S-112 (TANK 157), S-114 (TANK 159), S-115 (TANK 160), S-122 (TANK 167), S-123 (TANK 168), S-128 (TANK 174), S-129 (TANK 180), S-150 (TANK 241), S-151 (TANK 242), S-177 (TANK 287), S-178 (TANK 288), S-186 (TANK 298), S-254 (TANK 1001), S-255 (TANK 1002), S-256 (TANK 1003), S-259 (TANK 1006)

8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service, Notification	Y	
8-5-111.1.1	Limited Exemption, Tank Removal From and Return to Service, Notification, 3 day prior notification	Y	
8-5-111.1.2	Limited Exemption, Tank Removal From and Return to Service, Notification, Telephone notification	Y	
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service, Tank in compliance prior to notification	Y	
8-5-111.3	Limited Exemption, Tank Removal From and Return to Service, Floating roof tanks	Y	
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service, Minimize emissions	Y	
8-5-111.6	Limited Exemption, Tank Removal From and Return to Service, Notice of completion not required	Y	
8-5-111.7	Limited Exemption, Tank Removal From and Return to Service, Satisfy requirements of 8-5-328	Y	
8-5-112	Limited Exemption, Tanks in Operation	Y	
8-5-112.1	Limited Exemption, Tanks in Operation, Notification	Y	
8-5-112.1.1	Limited Exemption, Tanks in Operation, Notification, 3 day prior notification	Y	
8-5-112.1.2	Limited Exemption, Tanks in Operation, Notification, Telephone notification	Y	
8-5-112.2	Limited Exemption, Tanks in Operation, Tank in compliance prior to start of work. Certified per 8-5-404	Y	
8-5-112.3	Limited Exemption, Tanks in Operation, No product movement, Minimize emissions	Y	
8-5-112.4	Limited Exemption, Tanks in Operation, Not to exceed 7 days	Y	
8-5-301	Storage Tank Control Requirements (internal floating roof, external floating roof, or approved emission control system)	Y	
8-5-303	Requirements for Pressure Vacuum Valves (applies only to S-110 (Tank 155), S-115 (Tank 160), S-123 (Tank 168), S-128 (Tank 174), S-129 (Tank 180), S-178 (Tank 288))	Y	
8-5-303.1	Requirements for Pressure Vacuum Valves; Set pressure (applies only to S-110 (Tank 155), S-115 (Tank 160), S-123 (Tank 168), S-128 (Tank 174), S-129 (Tank 180), S-178 (Tank 288))	Y	
8-5-303.2	Requirements for Pressure Vacuum Valves; Installation, maintenance, operation (applies only to S-110 (Tank 155), S-115 (Tank 160), S-123 (Tank 168), S-128 (Tank 174), S-129 (Tank 180), S-178 (Tank 288))	Y	
8-5-304	Requirements for External Floating Roofs	Y	
8-5-304.1	Requirements for External Floating Roofs; Tank fitting requirements	Y	
8-5-304.2	Requirements for External Floating Roofs; Primary seal requirements	Y	

IV. Source Specific Applicable Requirements

Table IV – B13
Source-Specific Applicable Requirements
MACT ZERO-GAP EXTERNAL FLOATING ROOF TANKS
S-97 (TANK 100), S-100 (TANK 103), S-110 (TANK 155), S-111 (TANK 156), S-112 (TANK 157), S-114 (TANK 159), S-115 (TANK 160), S-122 (TANK 167), S-123 (TANK 168), S-128 (TANK 174), S-129 (TANK 180), S-150 (TANK 241), S-151 (TANK 242), S-177 (TANK 287), S-178 (TANK 288), S-186 (TANK 298), S-254 (TANK 1001), S-255 (TANK 1002), S-256 (TANK 1003), S-259 (TANK 1006)

8-5-304.3	Requirements for External Floating Roofs; Secondary seal requirements	Y	
8-5-304.4	Requirements for External Floating Roofs; Floating roof requirements	Y	
8-5-320.2	Tank Fitting Requirements; Floating roof tanks, Projection below liquid surface	Y	
8-5-320.3	Tank Fitting Requirements; Floating roof tanks, Gasketed covers, seals, lids	Y	
8-5-320.3.1	Tank Fitting Requirements; Floating roof tanks, Gasketed covers, seals, lids - Gap requirements	Y	
8-5-320.4	Tank Fitting Requirements; Solid sampling or gauging well requirements in floating roof tanks	Y	
8-5-320.4.1	Tank Fitting Requirements; Solid sampling or gauging well requirements--projection below liquid surface	Y	
8-5-320.4.2	Tank Fitting Requirements; Solid sampling or gauging well requirements--cover, seal, or lid	Y	
8-5-320.4.3	Tank Fitting Requirements; Solid sampling or gauging well requirements--gap between well and roof	Y	
8-5-320.6	Tank Fitting Requirements; Emergency roof drain	Y	
8-5-321	Primary Seal Requirements	Y	
8-5-321.1	Primary Seal Requirements; No holes, tears, other openings	Y	
8-5-321.2	Primary seal requirements; The seal shall be metallic shoe or liquid mounted except as provided in 8-5-305.1.3	Y	
8-5-321.3	Primary Seal Requirements; Metallic-shoe-type seal requirements	Y	
8-5-321.3.1	Primary Seal Requirements; Metallic-shoe-type seal requirements--geometry of shoe	Y	
8-5-321.3.2	Primary Seal Requirements; Metallic-shoe-type seal requirements--welded tanks	Y	
8-5-322	Secondary Seal Requirements	Y	
8-5-322.1	Secondary Seal Requirements; No holes, tears, other openings	Y	
8-5-322.2	Secondary Seal Requirements; Insertion of probes	Y	
8-5-322.5	Secondary Seal Requirements; Welded external floating roof tanks with seals installed after 9/4/1985 or welded internal floating roof tanks with seals installed after 2/1/1993	Y	
8-5-322.6	Secondary Seal Requirements; Extent of seal	Y	
8-5-328	Tank Degassing Requirements	Y	
8-5-328.1	Tank Degassing Requirements; Tanks > 75 cubic meters	Y	
8-5-328.1.2	Tank Degassing Requirements; Tanks > 75 cubic meters, Approved Emission Control System	Y	
8-5-328.2	Tank Degassing Requirements; Ozone Excess Day Prohibition	Y	
8-5-401	Inspection Requirements for External Floating Roof Tanks	Y	
8-5-401.1	Inspection Requirements for External Floating Roof Tanks; Primary and Secondary Seal Inspections	Y	
8-5-401.2	Inspection Requirements for External Floating Roof Tanks; Tank	Y	

IV. Source Specific Applicable Requirements

Table IV – B13
Source-Specific Applicable Requirements
MACT ZERO-GAP EXTERNAL FLOATING ROOF TANKS
S-97 (TANK 100), S-100 (TANK 103), S-110 (TANK 155), S-111 (TANK 156), S-112 (TANK 157), S-114 (TANK 159), S-115 (TANK 160), S-122 (TANK 167), S-123 (TANK 168), S-128 (TANK 174), S-129 (TANK 180), S-150 (TANK 241), S-151 (TANK 242), S-177 (TANK 287), S-178 (TANK 288), S-186 (TANK 298), S-254 (TANK 1001), S-255 (TANK 1002), S-256 (TANK 1003), S-259 (TANK 1006)

	Fittings Inspections		
8-5-403	Inspection Requirements for Pressure Vacuum Valves (applies only to S-110 (Tank 155), S-115 (Tank 160), S-123 (Tank 168), S-128 (Tank 174), S-129 (Tank 180), S-178 (Tank 288))	Y	
8-5-404	Certification	Y	
8-5-405	Information Required	Y	
8-5-501	Records	Y	
8-5-501.1	Records; Type and amounts of liquid, type of blanket gas, TVP - Retain 24 months	Y	
8-5-501.2	Records; Internal and External Floating Roof Tanks, Seal Replacement Records - Retain 10 years	Y	
8-5-503	Portable Hydrocarbon Detector	Y	
8-5-602	Analysis of Samples, True Vapor Pressure	Y	
8-5-604	Determination of Applicability	Y	
8-5-605	Pressure Vacuum Valve Gas Tight Determination (applies only to S-110 (Tank 155), S-115 (Tank 160), S-123 (Tank 168), S-128 (Tank 174), S-129 (Tank 180), S-178 (Tank 288))	Y	
NESHAPS Title 40 Part 63 Subpart G	**SOCMI HON G (01/27/1995) REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS**		
40 CFR 63.119(a)	Storage Vessel Provisions -- Reference Control Technology	Y	
40 CFR 63.119(a)(1)	Storage Vessel Provisions -- Reference Control Technology--Group 1, TVP < 76.6 kPa	Y	
40 CFR 63.119(c)	Storage Vessel Provisions -- Reference Control Technology--External floating roof	Y	
40 CFR 63.119(c)(1)	Storage Vessel Provisions -- Reference Control Technology--External floating roof seals	Y	
40 CFR 63.119(c)(1)(i)	Storage Vessel Provisions -- Reference Control Technology--External floating roof double seals required	Y	
40 CFR 63.119(c)(1)(ii)	Storage Vessel Provisions -- Reference Control Technology--External floating roof primary seal requirements – metallic shoe or liquid-mounted	Y	
40 CFR 63.119(c)(1)(iii)	Storage Vessel Provisions -- Reference Control Technology--External floating roof seal requirements	Y	
40 CFR 63.119(c)(3)	Storage Vessel Provisions -- Reference Control Technology--External floating roof--Must float on liquid	Y	
40 CFR 63.119(c)(3)(i)	Storage Vessel Provisions -- Reference Control Technology--External floating roof --Must float on liquid except during initial fill	Y	
40 CFR 63.119(c)(3)(ii)	Storage Vessel Provisions -- Reference Control Technology--External floating roof-- Must float on liquid except after completely emptied and degassed	Y	
40 CFR	Storage Vessel Provisions -- Reference Control Technology--	Y	

IV. Source Specific Applicable Requirements

Table IV – B13
Source-Specific Applicable Requirements
MACT ZERO-GAP EXTERNAL FLOATING ROOF TANKS
S-97 (TANK 100), S-100 (TANK 103), S-110 (TANK 155), S-111 (TANK 156), S-112 (TANK 157), S-114 (TANK 159), S-115 (TANK 160), S-122 (TANK 167), S-123 (TANK 168), S-128 (TANK 174), S-129 (TANK 180), S-150 (TANK 241), S-151 (TANK 242), S-177 (TANK 287), S-178 (TANK 288), S-186 (TANK 298), S-254 (TANK 1001), S-255 (TANK 1002), S-256 (TANK 1003), S-259 (TANK 1006)

63.119(c)(3)(iii)	External floating roof -- Must float on liquid except when completely emptied before refilling		
40 CFR 63.119(c)(4)	Storage Vessel Provisions -- Reference Control Technology--External Floating Roof Operations, when not floating	Y	
40 CFR 63.120(b)	Storage Vessel Provisions -- Procedures to Determine Compliance--Compliance Demonstration--External floating roof	Y	
40 CFR 63.120(b)(1)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR seal gap measurement	Y	
40 CFR 63.120(b)(1)(i)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR with double seals - primary seal gap measurement – 5 year intervals	Y	
40 CFR 63.120(b)(1)(iii)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR with double seals - secondary seal gap measurement – annual requirement	Y	
40 CFR 63.120(b)(1)(iv)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR seal inspections prior to tank refill with organic HAP after not storing organic HAP for 1 year or longer	Y	
40 CFR 63.120(b)(2)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR seal gap determination methods	Y	
40 CFR 63.120(b)(2)(i)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR seal gap determination methods – roof not resting on legs	Y	
40 CFR 63.120(b)(2)(ii)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR seal gap determination methods – measure gaps around entire circumference of seal and measure width and length of gaps	Y	
40 CFR 63.120(b)(2)(iii)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR seal gap determination methods – determine total surface area of each gap	Y	
40 CFR 63.120(b)(3)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR primary seal gap calculation method – total surface area of primary seal gaps <= 212 cm2 per meter of vessel diameter. Maximum width <= 3.81 cm	Y	
40 CFR 63.120(b)(4)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR secondary seal gap calculation method – total surface area of secondary seal gaps <= 21.2 cm2 per meter of vessel diameter. Maximum width <= 1.27 cm	Y	
40 CFR 63.120(b)(5)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR primary seal additional requirements	Y	
40 CFR 63.120(b)(5)(i)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR primary seal additional requirements – metallic shoe seal – shoe geometry	Y	
40 CFR 63.120(b)(5)(ii)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR primary seal additional requirements – no holes, tears,	Y	

IV. Source Specific Applicable Requirements

Table IV – B13
Source-Specific Applicable Requirements
MACT ZERO-GAP EXTERNAL FLOATING ROOF TANKS
S-97 (TANK 100), S-100 (TANK 103), S-110 (TANK 155), S-111 (TANK 156), S-112 (TANK 157), S-114 (TANK 159), S-115 (TANK 160), S-122 (TANK 167), S-123 (TANK 168), S-128 (TANK 174), S-129 (TANK 180), S-150 (TANK 241), S-151 (TANK 242), S-177 (TANK 287), S-178 (TANK 288), S-186 (TANK 298), S-254 (TANK 1001), S-255 (TANK 1002), S-256 (TANK 1003), S-259 (TANK 1006)

	or openings		
40 CFR 63.120(b)(6)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR secondary seal requirements	Y	
40 CFR 63.120(b)(6)(i)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR secondary seal requirements – location and extent	Y	
40 CFR 63.120(b)(6)(ii)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR secondary seal requirements - no holes, tears or openings	Y	
40 CFR 63.120(b)(7)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR unsafe to perform seal measurements or inspect the tank	Y	
40 CFR 63.120(b)(7)(i)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR unsafe to perform seal measurements or inspect the tank – complete measurements or inspection within 30 days after determining roof is unsafe or comply with 40 CFR 63.120(b)(7)(ii)	Y	
40 CFR 63.120(b)(7)(ii)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR unsafe to perform seal measurements or inspect the tank – empty and remove vessel from service within 45 days after determining roof is unsafe or comply with 40 CFR 63.120(b)(7)(i). Two 30 day extensions are allowed to empty the tank. Decision to use extension must be documented.	Y	
40 CFR 63.120(b)(8)	Storage Vessel Provisions -- Procedures to Determine Compliance External FR Repairs must be made within 45 days after identification or empty and remove tank from service. Two 30 day extensions are allowed to empty the tank. Decision to use extension must be documented.	Y	
40 CFR 63.120(b)(9)	Storage Vessel Provisions -- Procedures to Determine Compliance External FR seal gap measurement 30 day notification	Y	
40 CFR 63.120(b)(10)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR and seals visual inspection each time emptied	Y	
40 CFR 63.120(b)(10)(i)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR and seal visual inspection each time emptied – Repair defects before refilling [does not apply to gaskets, slotted membranes, or sleeve seals for Group 1 Refinery MACT tanks per 40 CFR 63.646(e)]	Y	
40 CFR 63.120(b)(10)(ii)	Storage Vessel Provisions -- Procedures to Determine Compliance-- External FR and seal visual inspection each time emptied – 30 day notification	Y	
40 CFR 63.120(b)(10)(iii)	Storage Vessel Provisions -- Procedures to Determine Compliance-- External FR and seal visual inspection each time emptied –- Notification for unplanned	Y	
40 CFR 63.123(a)	Storage Vessel Provisions -- Recordkeeping--Group 1 and Group 2 storage vessel dimensions and capacity. Keep for life of source.	Y	
40 CFR 63.123(d)	Storage Vessel Provisions -- Recordkeeping--Group 1 External	Y	

IV. Source Specific Applicable Requirements

Table IV – B13
Source-Specific Applicable Requirements
MACT ZERO-GAP EXTERNAL FLOATING ROOF TANKS
S-97 (TANK 100), S-100 (TANK 103), S-110 (TANK 155), S-111 (TANK 156), S-112 (TANK 157), S-114 (TANK 159), S-115 (TANK 160), S-122 (TANK 167), S-123 (TANK 168), S-128 (TANK 174), S-129 (TANK 180), S-150 (TANK 241), S-151 (TANK 242), S-177 (TANK 287), S-178 (TANK 288), S-186 (TANK 298), S-254 (TANK 1001), S-255 (TANK 1002), S-256 (TANK 1003), S-259 (TANK 1006)

	floating roof tank requirements - records of seal gap measurements (date, raw data, and required calculations)		
40 CFR 63.123(g)	Storage Vessel Provisions -- Recordkeeping, Extensions for emptying storage vessel – keep documentation specified	Y	
NESHAPS Title 40 Part 63 Subpart CC	**NESHAPS for Petroleum Refineries (06/12/1996) REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS**		
40 CFR 63.640(c)(2)	Applicability and Designation of Storage Vessels	Y	
40 CFR 63.646(a)	Storage Vessel Provisions--Group 1	Y	
40 CFR 63.646(b)(1)	Storage Vessel Provisions--Determine stored liquid % OHAP for group determination	Y	
40 CFR 63.646(b)(2)	Storage Vessel Provisions--Determine stored liquid % OHAP-method 18 to resolve disputes	Y	
40 CFR 63.646(c)	Storage Vessel Provisions—40 CFR 63 Subpart G exclusions for storage vessels [EFRs exempt from 63.119(c)(2)]	Y	
40 CFR 63.646(d)	Storage Vessel Provisions--References	Y	
40 CFR 63.646(d)(2)	Storage Vessel Provisions--References to April 22,1994	Y	
40 CFR 63.646(d)(3)	Storage Vessel Provisions--References to December 31, 1992	Y	
40 CFR 63.646(d)(4)	Storage Vessel Provisions--References to compliance dates in 40 CFR 63.100 of Subpart F	Y	
40 CFR 63.646(e)	Storage Vessel Provisions—Exceptions for compliance with inspection requirements of 40 CFR 63.120 of Subpart G – Not required to comply with provisions for gaskets, slotted membranes, and sleeve seals.	Y	
40 CFR 63.646(f)	Storage Vessel Provisions--Group 1 floating roof requirements	Y	
40 CFR 63.646(f)(1)	Storage Vessel Provisions—Group 1 floating roof requirements--Covers or lids closed except when in use	Y	
40 CFR 63.646(f)(2)	Storage Vessel Provisions--Group 1 floating roof requirements--Rim space vents requirements	Y	
40 CFR 63.646(f)(3)	Storage Vessel Provisions-Group 1 floating roof requirements--Automatic bleeder vents requirements	Y	
40 CFR 63.646(l)	Storage Vessel Provisions--State or local permitting agency notification requirements	Y	
40 CFR 63.654(f)	Reporting and Recordkeeping Requirements--Notice of compliance status report requirements	Y	
40 CFR 63.654(f)(1)	Reporting and Recordkeeping Requirements--Notice of compliance status report requirements	Y	
40 CFR 63.654(f)(1)(i)	Reporting and Recordkeeping Requirements--Notice of compliance status report requirements--Reporting--storage vessels	Y	
40 CFR	Reporting and Recordkeeping Requirements--Notice of compliance	Y	

IV. Source Specific Applicable Requirements

Table IV – B13
Source-Specific Applicable Requirements
MACT ZERO-GAP EXTERNAL FLOATING ROOF TANKS
S-97 (TANK 100), S-100 (TANK 103), S-110 (TANK 155), S-111 (TANK 156), S-112 (TANK 157), S-114 (TANK 159), S-115 (TANK 160), S-122 (TANK 167), S-123 (TANK 168), S-128 (TANK 174), S-129 (TANK 180), S-150 (TANK 241), S-151 (TANK 242), S-177 (TANK 287), S-178 (TANK 288), S-186 (TANK 298), S-254 (TANK 1001), S-255 (TANK 1002), S-256 (TANK 1003), S-259 (TANK 1006)

63.654(f)(1)(i)(A)	status report requirements--Reporting--storage vessels		
40 CFR 63.654(f)(1)(i)(A)(1)	Reporting and Recordkeeping Requirements--Notice of compliance status report requirements--Reporting--storage vessels	Y	
40 CFR 63.654(g)	Periodic Reporting and Recordkeeping Requirements	Y	
40 CFR 63.654(g)(1)	Periodic Reporting and Recordkeeping Requirements--storage vessels [Information related to gaskets, slotted membranes, and sleeve seals not required for storage vessels that are part of existing source]	Y	
40 CFR 63.654(g)(3)	Periodic Reporting and Recordkeeping Requirements--storage vessels with external floating roofs	Y	
40 CFR 63.654(g)(3)(i)	Periodic Reporting and Recordkeeping Requirements--storage vessels with external floating roofs-document results of each seal gap measurement	Y	
40 CFR 63.654(g)(3)(ii)	Periodic Reporting and Recordkeeping Requirements--storage vessels with external floating roofs – extension documentation	Y	
40 CFR 63.654(g)(3)(iii)	Periodic Reporting and Recordkeeping Requirements--storage vessels with external floating roofs – documentation of failures	Y	
40 CFR 63.654(h)(2)	Reporting and Recordkeeping Requirements--Other reports--Storage vessel notification of inspections.	Y	
40 CFR 63.654(h)(2)(i)	Reporting and Recordkeeping Requirements--Other reports--Storage vessel notification of inspections – refilling Group 1 storage vessel.	Y	
40 CFR 63.654(h)(2)(ii)	Reporting and Recordkeeping Requirements--Other reports--Storage vessel notification of inspections –Group 1 storage vessel seal gap measurements – 30 day notification [can be waived or modified by state or local].	Y	
40 CFR 63.654(h)(6)	Reporting and Recordkeeping Requirements--Other reports--Determination of Applicability	Y	
40 CFR 63.654(h)(6)(ii)	Reporting and Recordkeeping Requirements--Other reports--Determination of Applicability	Y	
40 CFR 63.654(i)(1)	Reporting and Recordkeeping Requirements--Recordkeeping for storage vessels – keep records specified in 40 CFR 63.123 (Subpart G)	Y	
40 CFR 63.654(i)(1)(i)	Reporting and Recordkeeping Requirements--Recordkeeping for storage vessels– keep records specified in 40 CFR 63.123 (Subpart G) except records related to gaskets, slotted membranes, and sleeve seals for vessels in existing sources	Y	
40 CFR 63.654(i)(4)	Reporting and Recordkeeping Requirements—Recordkeeping for storage vessels--Record retention – 5 years	Y	
BAAQMD Condition 20989, Part A	Throughput limits for sources S-97, S-100, S-110, S-111, S-112, S-114, S-115, S-122, S-123, S-128, S-177, S-186, S-254, S-255, S-256, S-259	N	

IV. Source Specific Applicable Requirements

Table IV – B13
Source-Specific Applicable Requirements
MACT ZERO-GAP EXTERNAL FLOATING ROOF TANKS
S-97 (TANK 100), S-100 (TANK 103), S-110 (TANK 155), S-111 (TANK 156), S-112 (TANK 157), S-114 (TANK 159), S-115 (TANK 160), S-122 (TANK 167), S-123 (TANK 168), S-128 (TANK 174), S-129 (TANK 180), S-150 (TANK 241), S-151 (TANK 242), S-177 (TANK 287), S-178 (TANK 288), S-186 (TANK 298), S-254 (TANK 1001), S-255 (TANK 1002), S-256 (TANK 1003), S-259 (TANK 1006)

BAAQMD Condition 20989, Part A	Throughput limits for sources S-129, S-150, S-151, S-178	Y	

Table IV – B14
Source-Specific Applicable Requirements
NSPS K AND NSPS KA ZERO-GAP EXTERNAL FLOATING ROOF TANKS
NSPS K - S-334 (TANK 107),
NSPS KA - S-341 (TANK 208), S-342 (TANK 209), S-343 (TANK 210)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 5	**Organic Compounds, Storage of Organic Liquids (11/27/02) REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS**		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service, Notification	Y	
8-5-111.1.1	Limited Exemption, Tank Removal From and Return to Service, Notification, 3 day prior notification	Y	
8-5-111.1.2	Limited Exemption, Tank Removal From and Return to Service, Notification, Telephone notification	Y	
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service, Tank in compliance prior to notification	Y	
8-5-111.3	Limited Exemption, Tank Removal From and Return to Service, Floating roof tanks	Y	
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service, Minimize emissions	Y	
8-5-111.6	Limited Exemption, Tank Removal From and Return to Service, Notice of completion not required	Y	
8-5-111.7	Limited Exemption, Tank Removal From and Return to Service, Satisfy requirements of 8-5-328	Y	
8-5-112	Limited Exemption, Tanks in Operation	Y	
8-5-112.1	Limited Exemption, Tanks in Operation, Notification	Y	
8-5-112.1.1	Limited Exemption, Tanks in Operation, Notification, 3 day prior notification	Y	
8-5-112.1.2	Limited Exemption, Tanks in Operation, Notification, Telephone notification	Y	
8-5-112.2	Limited Exemption, Tanks in Operation, Tank in compliance prior to	Y	

IV. Source Specific Applicable Requirements

Table IV – B14
Source-Specific Applicable Requirements
NSPS K AND NSPS KA ZERO-GAP EXTERNAL FLOATING ROOF TANKS
NSPS K - S-334 (TANK 107),
NSPS KA - S-341 (TANK 208), S-342 (TANK 209), S-343 (TANK 210)

	start of work. Certified per 8-5-404		
8-5-112.3	Limited Exemption, Tanks in Operation, No product movement, Minimize emissions	Y	
8-5-112.4	Limited Exemption, Tanks in Operation, Not to exceed 7 days	Y	
8-5-301	Storage Tank Control Requirements (internal floating roof, external floating roof, or approved emission control system)	Y	
8-5-304	Requirements for External Floating Roofs	Y	
8-5-304.1	Requirements for External Floating Roofs; Tank fitting requirements	Y	
8-5-304.2	Requirements for External Floating Roofs; Primary seal requirements	Y	
8-5-304.3	Requirements for External Floating Roofs; Secondary seal requirements	Y	
8-5-304.4	Requirements for External Floating Roofs; Floating roof requirements	Y	
8-5-320	Tank Fitting Requirements; Floating roof tanks	Y	
8-5-320.2	Tank Fitting Requirements; Floating roof tanks, Projection below liquid surface	Y	
8-5-320.3	Tank Fitting Requirements; Floating roof tanks, Gasketed covers, seals, lids	Y	
8-5-320.3.1	Tank Fitting Requirements; Floating roof tanks, Gasketed covers, seals, lids - Gap requirements	Y	
8-5-320.4	Tank Fitting Requirements; Solid sampling or gauging well requirements in floating roof tanks	Y	
8-5-320.4.1	Tank Fitting Requirements; Solid sampling or gauging well requirements--projection below liquid surface	Y	
8-5-320.4.2	Tank Fitting Requirements; Solid sampling or gauging well requirements--cover, seal, or lid	Y	
8-5-320.4.3	Tank Fitting Requirements; Solid sampling or gauging well requirements--gap between well and roof	Y	
8-5-320.6	Tank Fitting Requirements; Emergency roof drain	Y	
8-5-321	Primary Seal Requirements	Y	
8-5-321.1	Primary Seal Requirements; No holes, tears, other openings	Y	
8-5-321.2	Primary seal requirements; The seal shall be metallic shoe or liquid mounted except as provided in 8-5-305.1.3	Y	
8-5-321.3	Primary Seal Requirements; Metallic-shoe-type seal requirements	Y	
8-5-321.3.1	Primary Seal Requirements; Metallic-shoe-type seal requirements--geometry of shoe	Y	
8-5-321.3.2	Primary Seal Requirements; Metallic-shoe-type seal requirements--welded tanks	Y	
8-5-322	Secondary Seal Requirements	Y	
8-5-322.1	Secondary Seal Requirements; No holes, tears, other openings	Y	
8-5-322.2	Secondary Seal Requirements; Insertion of probes	Y	
8-5-322.5	Secondary Seal Requirements; Welded external floating roof tanks with seals installed after 9/4/1985 or welded internal floating roof tanks with seals installed after 2/1/1993	Y	
8-5-322.6	Secondary Seal Requirements; Extent of seal	Y	
8-5-328	Tank Degassing Requirements	Y	
8-5-328.1	Tank Degassing Requirements; Tanks > 75 cubic meters	Y	
8-5-328.1.2	Tank Degassing Requirements; Tanks > 75 cubic meters, Approved	Y	

IV. Source Specific Applicable Requirements

Table IV – B14
Source-Specific Applicable Requirements
NSPS K AND NSPS KA ZERO-GAP EXTERNAL FLOATING ROOF TANKS
NSPS K - S-334 (TANK 107),
NSPS KA - S-341 (TANK 208), S-342 (TANK 209), S-343 (TANK 210)

	Emission Control System		
8-5-328.2	Tank Degassing Requirements; Ozone Excess Day Prohibition	Y	
8-5-401	Inspection Requirements for External Floating Roof Tanks	Y	
8-5-401.1	Inspection Requirements for External Floating Roof Tanks; Primary and Secondary Seal Inspections	Y	
8-5-401.2	Inspection Requirements for External Floating Roof Tanks; Tank Fittings Inspections	Y	
8-5-404	Certification	Y	
8-5-405	Information Required	Y	
8-5-501	Records	Y	
8-5-501.1	Records; Type and amounts of liquid, type of blanket gas, TVP - Retain 24 months	Y	
8-5-501.2	Records; Internal and External Floating Roof Tanks, Seal Replacement Records - Retain 10 years	Y	
8-5-503	Portable Hydrocarbon Detector	Y	
8-5-602	Analysis of Samples, True Vapor Pressure	Y	
8-5-604	Determination of Applicability	Y	
NESHAPS Title 40 Part 63 Subpart G	**SOCMI HON G (01/27/1995) REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS**		
40 CFR 63.119(a)	Storage Vessel Provisions -- Reference Control Technology	Y	
40 CFR 63.119(a)(1)	Storage Vessel Provisions -- Reference Control Technology--Group 1, TVP < 76.6 kPa	Y	
40 CFR 63.119(c)	Storage Vessel Provisions -- Reference Control Technology-- External floating roof	Y	
40 CFR 63.119(c)(1)	Storage Vessel Provisions -- Reference Control Technology-- External floating roof seals	Y	
40 CFR 63.119(c)(1)(i)	Storage Vessel Provisions -- Reference Control Technology-- External floating roof double seals required	Y	
40 CFR 63.119(c)(1)(ii)	Storage Vessel Provisions -- Reference Control Technology-- External floating roof primary seal requirements – metallic shoe or liquid-mounted	Y	
40 CFR 63.119(c)(1)(iii)	Storage Vessel Provisions -- Reference Control Technology-- External floating roof seal requirements	Y	
40 CFR 63.119(c)(3)	Storage Vessel Provisions -- Reference Control Technology-- External floating roof--Must float on liquid	Y	
40 CFR 63.119(c)(3)(i)	Storage Vessel Provisions -- Reference Control Technology-- External floating roof --Must float on liquid except during initial fill	Y	
40 CFR 63.119(c)(3)(ii)	Storage Vessel Provisions -- Reference Control Technology-- External floating roof-- Must float on liquid except after completely emptied and degassed	Y	
40 CFR 63.119(c)(3)(iii)	Storage Vessel Provisions -- Reference Control Technology-- External floating roof -- Must float on liquid except when completely emptied before refilling	Y	
40 CFR 63.119(c)(4)	Storage Vessel Provisions -- Reference Control Technology-- External Floating Roof Operations, when not floating	Y	
40 CFR 63.120(b)	Storage Vessel Provisions -- Procedures to Determine Compliance--	Y	

IV. Source Specific Applicable Requirements

Table IV – B14
Source-Specific Applicable Requirements
NSPS K AND NSPS KA ZERO-GAP EXTERNAL FLOATING ROOF TANKS
NSPS K - S-334 (TANK 107),
NSPS KA - S-341 (TANK 208), S-342 (TANK 209), S-343 (TANK 210)

	Compliance Demonstration--External floating roof		
40 CFR 63.120(b)(1)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR seal gap measurement	Y	
40 CFR 63.120(b)(1)(i)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR with double seals - primary seal gap measurement – 5 year intervals	Y	
40 CFR 63.120(b)(1)(iii)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR with double seals - secondary seal gap measurement – annual requirement	Y	
40 CFR 63.120(b)(1)(iv)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR seal inspections prior to tank refill with organic HAP after not storing organic HAP for 1 year or longer	Y	
40 CFR 63.120(b)(2)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR seal gap determination methods	Y	
40 CFR 63.120(b)(2)(i)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR seal gap determination methods – roof not resting on legs	Y	
40 CFR 63.120(b)(2)(ii)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR seal gap determination methods – measure gaps around entire circumference of seal and measure width and length of gaps	Y	
40 CFR 63.120(b)(2)(iii)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR seal gap determination methods – determine total surface area of each gap	Y	
40 CFR 63.120(b)(3)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR primary seal gap calculation method – total surface area of primary seal gaps <= 212 cm2 per meter of vessel diameter. Maximum width <= 3.81 cm	Y	
40 CFR 63.120(b)(4)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR secondary seal gap calculation method – total surface area of secondary seal gaps <= 21.2 cm2 per meter of vessel diameter. Maximum width <= 1.27 cm	Y	
40 CFR 63.120(b)(5)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR primary seal additional requirements	Y	
40 CFR 63.120(b)(5)(i)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR primary seal additional requirements – metallic shoe seal – shoe geometry	Y	
40 CFR 63.120(b)(5)(ii)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR primary seal additional requirements – no holes, tears, or openings	Y	
40 CFR 63.120(b)(6)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR secondary seal requirements	Y	
40 CFR 63.120(b)(6)(i)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR secondary seal requirements – location and extent	Y	
40 CFR 63.120(b)(6)(ii)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR secondary seal requirements - no holes, tears or openings	Y	
40 CFR 63.120(b)(7)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR unsafe to perform seal measurements or inspect the tank	Y	

IV. Source Specific Applicable Requirements

Table IV – B14
Source-Specific Applicable Requirements
NSPS K AND NSPS KA ZERO-GAP EXTERNAL FLOATING ROOF TANKS
NSPS K - S-334 (TANK 107),
NSPS KA - S-341 (TANK 208), S-342 (TANK 209), S-343 (TANK 210)

40 CFR 63.120(b)(7)(i)	Storage Vessel Provisions -- Procedures to Determine Compliance-- External FR unsafe to perform seal measurements or inspect the tank – complete measurements or inspection within 30 days after determining roof is unsafe or comply with 40 CFR 63.120(b)(7)(ii)	Y	
40 CFR 63.120(b)(7)(ii)	Storage Vessel Provisions -- Procedures to Determine Compliance-- External FR unsafe to perform seal measurements or inspect the tank – empty and remove vessel from service within 45 days after determining roof is unsafe or comply with 40 CFR 63.120(b)(7)(i). Two 30 day extensions are allowed to empty the tank. Decision to use extension must be documented.	Y	
40 CFR 63.120(b)(8)	Storage Vessel Provisions -- Procedures to Determine Compliance External FR Repairs must be made within 45 days after identification or empty and remove tank from service. Two 30 day extensions are allowed to empty the tank. Decision to use extension must be documented.	Y	
40 CFR 63.120(b)(9)	Storage Vessel Provisions -- Procedures to Determine Compliance External FR seal gap measurement 30 day notification	Y	
40 CFR 63.120(b)(10)	Storage Vessel Provisions -- Procedures to Determine Compliance-- External FR and seals visual inspection each time emptied	Y	
40 CFR 63.120(b)(10)(i)	Storage Vessel Provisions -- Procedures to Determine Compliance-- External FR and seal visual inspection each time emptied – Repair defects before refilling [does not apply to gaskets, slotted membranes, or sleeve seals for Group 1 Refinery MACT tanks per 40 CFR 63.646(e)	Y	
40 CFR 63.120(b)(10)(ii)	Storage Vessel Provisions -- Procedures to Determine Compliance-- External FR and seal visual inspection each time emptied – 30 day notification	Y	
40 CFR 63.120(b)(10)(iii)	Storage Vessel Provisions -- Procedures to Determine Compliance-- External FR and seal visual inspection each time emptied –- Notification for unplanned	Y	
40 CFR 63.123(a)	Storage Vessel Provisions -- Recordkeeping--Group 1 and Group 2 storage vessel dimensions and capacity. Keep for life of source.	Y	
40 CFR 63.123(d)	Storage Vessel Provisions -- Recordkeeping--Group 1 External floating roof tank requirements - records of seal gap measurements (date, raw data, and required calculations)	Y	
40 CFR 63.123(g)	Storage Vessel Provisions -- Recordkeeping, Extensions for emptying storage vessel – keep documentation specified	Y	
NESHAPS Title 40 Part 63 Subpart CC	**NESHAPS for Petroleum Refineries (06/12/1996) REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS ALSO SUBJECT TO NSPS K OR Ka**		
40 CFR 63.640(c)(2)	Applicability and Designation of Storage Vessels	Y	
40 CFR 63.640(n)(5)	Applicability and Designation of Affected Source Overlap for Storage Vessels— Group 1 vessel also subject to NSPS K or Ka only subject to 40 CFR 63 Subpart CC	Y	
40 CFR 63.646(a)	Storage Vessel Provisions--Group 1	Y	
40 CFR 63.646(b)(1)	Storage Vessel Provisions--Determine stored liquid % OHAP for group determination	Y	

IV. Source Specific Applicable Requirements

Table IV – B14
Source-Specific Applicable Requirements
NSPS K AND NSPS KA ZERO-GAP EXTERNAL FLOATING ROOF TANKS
NSPS K - S-334 (TANK 107),
NSPS KA - S-341 (TANK 208), S-342 (TANK 209), S-343 (TANK 210)

40 CFR 63.646(b)(2)	Storage Vessel Provisions--Determine stored liquid % OHAP-method 18 to resolve disputes	Y	
40 CFR 63.646(c)	Storage Vessel Provisions—40 CFR 63 Subpart G exclusions for storage vessels [EFRs exempt from 63.119(c)(2)]	Y	
40 CFR 63.646(d)	Storage Vessel Provisions--References	Y	
40 CFR 63.646(d)(2)	Storage Vessel Provisions--References to April 22,1994	Y	
40 CFR 63.646(d)(3)	Storage Vessel Provisions--References to December 31, 1992	Y	
40 CFR 63.646(d)(4)	Storage Vessel Provisions--References to compliance dates in 40 CFR 63.100 of Subpart F	Y	
40 CFR 63.646(e)	Storage Vessel Provisions—Exceptions for compliance with inspection requirements of 40 CFR 63.120 of Subpart G – Not required to comply with provisions for gaskets, slotted membranes, and sleeve seals.	Y	
40 CFR 63.646(f)	Storage Vessel Provisions--Group 1 floating roof requirements	Y	
40 CFR 63.646(f)(1)	Storage Vessel Provisions—Group 1 floating roof requirements--Covers or lids closed except when in use	Y	
40 CFR 63.646(f)(2)	Storage Vessel Provisions--Group 1 floating roof requirements--Rim space vents requirements	Y	
40 CFR 63.646(f)(3)	Storage Vessel Provisions-Group 1 floating roof requirements--Automatic bleeder vents requirements	Y	
40 CFR 63.646(l)	Storage Vessel Provisions--State or local permitting agency notification requirements	Y	
40 CFR 63.654(f)	Reporting and Recordkeeping Requirements--Notice of compliance status report requirements	Y	
40 CFR 63.654(f)(1)	Reporting and Recordkeeping Requirements--Notice of compliance status report requirements	Y	
40 CFR 63.654(f)(1)(i)	Reporting and Recordkeeping Requirements--Notice of compliance status report requirements--Reporting--storage vessels	Y	
40 CFR 63.654(f)(1)(i)(A)	Reporting and Recordkeeping Requirements--Notice of compliance status report requirements--Reporting--storage vessels	Y	
40 CFR 63.654(f)(1)(i)(A)(1)	Reporting and Recordkeeping Requirements--Notice of compliance status report requirements--Reporting--storage vessels	Y	
40 CFR 63.654(g)	Periodic Reporting and Recordkeeping Requirements	Y	
40 CFR 63.654(g)(1)	Periodic Reporting and Recordkeeping Requirements--storage vessels [Information related to gaskets, slotted membranes, and sleeve seals not required for storage vessels that are part of existing source]	Y	
40 CFR 63.654(g)(3)	Periodic Reporting and Recordkeeping Requirements--storage vessels with external floating roofs	Y	
40 CFR 63.654(g)(3)(i)	Periodic Reporting and Recordkeeping Requirements--storage vessels with external floating roofs-document results of each seal gap measurement	Y	
40 CFR 63.654(g)(3)(ii)	Periodic Reporting and Recordkeeping Requirements--storage vessels with external floating roofs – extension documentation	Y	

IV. Source Specific Applicable Requirements

Table IV – B14
Source-Specific Applicable Requirements
NSPS K AND NSPS KA ZERO-GAP EXTERNAL FLOATING ROOF TANKS
NSPS K - S-334 (TANK 107),
NSPS KA - S-341 (TANK 208), S-342 (TANK 209), S-343 (TANK 210)

40 CFR 63.654(g)(3)(iii)	Periodic Reporting and Recordkeeping Requirements--storage vessels with external floating roofs – documentation of failures	Y	
40 CFR 63.654(h)(2)	Reporting and Recordkeeping Requirements--Other reports--Storage vessel notification of inspections.	Y	
40 CFR 63.654(h)(2)(i)	Reporting and Recordkeeping Requirements--Other reports--Storage vessel notification of inspections – refilling Group 1 storage vessel.	Y	
40 CFR 63.654(h)(2)(ii)	Reporting and Recordkeeping Requirements--Other reports--Storage vessel notification of inspections –Group 1 storage vessel seal gap measurements – 30 day notification [can be waived or modified by state or local].	Y	
40 CFR 63.654(h)(6)	Reporting and Recordkeeping Requirements--Other reports--Determination of Applicability	Y	
40 CFR 63.654(h)(6)(ii)	Reporting and Recordkeeping Requirements--Other reports--Determination of Applicability	Y	
40 CFR 63.654(i)(1)	Reporting and Recordkeeping Requirements--Recordkeeping for storage vessels – keep records specified in 40 CFR 63.123 (Subpart G)	Y	
40 CFR 63.654(i)(1)(i)	Reporting and Recordkeeping Requirements--Recordkeeping for storage vessels– keep records specified in 40 CFR 63.123 (Subpart G) except records related to gaskets, slotted membranes, and sleeve seals for vessels in existing sources	Y	
40 CFR 63.654(i)(4)	Reporting and Recordkeeping Requirements—Recordkeeping for storage vessels--Record retention – 5 years	Y	
NSPS Title 40 Part 60 Subpart K	**NSPS Subpart K for Tanks (4/4/1980) APPLIES TO S-334 (Tank 107)**		
40 CFR 60.110(a)	Applicability and Designation of Affected Facility; Affected facility	Y	
40 CFR 60.110(c)(2)	Applicability and Designation of Affected Facility-->65,000 gal after 6/11/1973 and before 5/19/1978.	Y	
NSPS Title 40 Part 60 Subpart Ka	**NSPS Subpart Ka for Tanks (12/14/2000) APPLIES TO S-341 (Tank 208), S-342 (Tank 209), S-343 (Tank 210)**		
40 CFR 60.110a(a)	Applicability and Designation of Affected Facility	Y	
BAAQMD Condition 20989, Part A	Throughput limits for source S-334	N	
BAAQMD Condition 20989, Part A	Throughput limits for sources S-341, S-342, S-343	Y	

Table IV – B15
Source-Specific Applicable Requirements
MACT FIXED ROOF TANKS WITH VAPOR RECOVERY TO FUEL GAS
S-139 (Tank 204), S-140 (Tank 205), S-182 (Tank 294)

IV. Source Specific Applicable Requirements

Table IV – B15
Source-Specific Applicable Requirements
MACT FIXED ROOF TANKS WITH VAPOR RECOVERY TO FUEL GAS
S-139 (Tank 204), S-140 (Tank 205), S-182 (Tank 294)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 5	**Organic Compounds, Storage of Organic Liquids (11/27/02) REQUIREMENTS FOR FIXED ROOF TANKS**		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO	Y	
8-5-111.1.1	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO; 3 day prior notification	Y	
8-5-111.1.2	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO; Telephone notification	Y	
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service; Compliance before notification	Y	
8-5-111.4	Limited Exemption, Tank Removal From and Return to Service; Use of vapor recovery	Y	
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service; Minimization of emissions	Y	
8-5-111.6	Limited Exemption, Tank Removal From and Return to Service; Written notice of completion not required	Y	
8-5-111.7	Limited Exemption, Tank Removal From and Return to Service; Compliance with Section 8-5-328	Y	
8-5-112	Limited Exemption, Tanks in Operation	Y	
8-5-112.1	Limited Exemption, Tanks in Operation; Notice to the APCO	Y	
8-5-112.1.1	Limited Exemption, Tanks in Operation; Notice to the APCO; 3 day prior notification	Y	
8-5-112.1.2	Limited Exemption, Tanks in Operation; Notice to the APCO; Telephone notification	Y	
8-5-112.2	Limited Exemption, Tanks in Operation; Compliance and certification before commencement of work	Y	
8-5-112.3	Limited Exemption, Tanks in Operation; No product movement; minimization of emissions	Y	
8-5-112.4	Limited Exemption, Tanks in Operation; Exemption does not exceed 7 days	Y	
8-5-301	Storage Tank Control Requirements (internal floating roof, external floating roof, or approved emission control system)	Y	
8-5-303	Requirements for Pressure Vacuum Valves	Y	
8-5-303.1	Requirements for Pressure Vacuum Valves; Set pressure	Y	
8-5-303.2	Requirements for Pressure Vacuum Valves; Installation, maintenance, operation	Y	
8-5-306	Requirements for Approved Emission Control Systems	Y	
8-5-328	Tank Degassing Requirements	Y	
8-5-328.1	Tank Degassing Requirements; Tanks > 75 cubic meters	Y	
8-5-328.1.2	Tank Degassing Requirements; Tanks > 75 cubic meters; Concentration of <10,000 ppm as methane after degassing	Y	
8-5-328.2	Tank degassingrequirements; Ozone excess day prohibition	Y	

IV. Source Specific Applicable Requirements

Table IV – B15
Source-Specific Applicable Requirements
MACT FIXED ROOF TANKS WITH VAPOR RECOVERY TO FUEL GAS
S-139 (Tank 204), S-140 (Tank 205), S-182 (Tank 294)

8-5-403	Inspection Requirements for Pressure Vacuum Valves	Y	
8-5-404	Certification	Y	
8-5-501	Records	Y	
8-5-501.1	Records; Type and amounts of liquid; true vapor pressure; Retain 24 months	Y	
8-5-503	Portable hydrocarbon detector	Y	
8-5-602	Analysis of Samples, True Vapor Pressure	Y	
8-5-603	Determination of emissions	Y	
8-5-603.1	Determination of Emissions; Organic compounds specified in 8-5-306	Y	
8-5-604	Determination of Applicability	Y	
8-5-605	Pressure Vacuum Valve Gas Tight Determination	Y	
NESHAPS Title 40 Part 63 Subpart CC	**National Emission Standards for Hazardous Air Pollutants for Petroleum Refining (8/18/95)** **EXEMPTION FOR TANKS VENTED TO FUEL GAS SYSTEM**		
40 CFR 63.640(c)(2)	Applicability and Designation of Storage Vessels	Y	
40 CFR 63.640(d)(5)	Exemption for emission points routed to fuel gas system	Y	
NSPS Title 40 Part 60 Subpart K	**NSPS Subpart K for Tanks (4/4/1980)** **EXEMPTION FOR TANKS NOT CONTAINING PETROLEUM LIQUIDS (Applicable to S-139 only)**		
40 CFR 60.111(b)	Definitions: Petroleum liquids	Y	
BAAQMD Condition 13184	**APPLICABLE TO S-182**		
Part 1	Requirement to vent emissions to fuel gas system [Basis: Cumulative Increase]	Y	
BAAQMD Condition 20989, Part A	Throughput limits for sources S-139, S-140	**N**	

IV. Source Specific Applicable Requirements

Table IV – B16
Source-Specific Applicable Requirements
MACT ZERO-GAP EXTERNAL FLOATING ROOF WASTEWATER SLOP OIL TANK S-133 (TANK 193)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8 Rule 5	**Organic Compounds, Storage of Organic Liquids (11/27/02) REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS**		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service, Notification	Y	
8-5-111.1.1	Limited Exemption, Tank Removal From and Return to Service, Notification, 3 day prior notification	Y	
8-5-111.1.2	Limited Exemption, Tank Removal From and Return to Service, Notification, Telephone notification	Y	
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service, Tank in compliance prior to notification	Y	
8-5-111.3	Limited Exemption, Tank Removal From and Return to Service, Floating roof tanks	Y	
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service, Minimize emissions	Y	
8-5-111.6	Limited Exemption, Tank Removal From and Return to Service, Notice of completion not required	Y	
8-5-111.7	Limited Exemption, Tank Removal From and Return to Service, Satisfy requirements of 8-5-328	Y	
8-5-112	Limited Exemption, Tanks in Operation	Y	
8-5-112.1	Limited Exemption, Tanks in Operation, Notification	Y	
8-5-112.1.1	Limited Exemption, Tanks in Operation, Notification, 3 day prior notification	Y	
8-5-112.1.2	Limited Exemption, Tanks in Operation, Notification, Telephone notification	Y	
8-5-112.2	Limited Exemption, Tanks in Operation, Tank in compliance prior to start of work. Certified per 8-5-404	Y	
8-5-112.3	Limited Exemption, Tanks in Operation, No product movement, Minimize emissions	Y	
8-5-112.4	Limited Exemption, Tanks in Operation, Not to exceed 7 days	Y	
8-5-301	Storage Tank Control Requirements (internal floating roof, external floating roof, or approved emission control system)	Y	
8-5-303	Requirements for Pressure Vacuum Valves	Y	
8-5-303.1	Requirements for Pressure Vacuum Valves; Set pressure	Y	
8-5-303.2	Requirements for Pressure Vacuum Valves; Installation, maintenance, operation	Y	
8-5-304	Requirements for External Floating Roofs	Y	
8-5-304.1	Requirements for External Floating Roofs; Tank fitting requirements	Y	
8-5-304.2	Requirements for External Floating Roofs; Primary seal requirements	Y	
8-5-304.3	Requirements for External Floating Roofs; Secondary seal requirements	Y	

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MACT ZERO-GAP EXTERNAL FLOATING ROOF WASTEWATER SLOP OIL TANK
S-133 (TANK 193)

8-5-304.4	Requirements for External Floating Roofs; Floating roof requirements	Y	
8-5-320.2	Tank Fitting Requirements; Floating roof tanks, Projection below liquid surface	Y	
8-5-320.3	Tank Fitting Requirements; Floating roof tanks, Gasketed covers, seals, lids	Y	
8-5-320.3.1	Tank Fitting Requirements; Floating roof tanks, Gasketed covers, seals, lids - Gap requirements	Y	
8-5-320.4	Tank Fitting Requirements; Solid sampling or gauging well requirements in floating roof tanks	Y	
8-5-320.4.1	Tank Fitting Requirements; Solid sampling or gauging well requirements--projection below liquid surface	Y	
8-5-320.4.2	Tank Fitting Requirements; Solid sampling or gauging well requirements--cover, seal, or lid	Y	
8-5-320.4.3	Tank Fitting Requirements; Solid sampling or gauging well requirements--gap between well and roof	Y	
8-5-320.6	Tank Fitting Requirements; Emergency roof drain	Y	
8-5-321	Primary Seal Requirements	Y	
8-5-321.1	Primary Seal Requirements; No holes, tears, other openings	Y	
8-5-321.2	Primary seal requirements; The seal shall be metallic shoe or liquid mounted except as provided in 8-5-305.1.3	Y	
8-5-321.3	Primary Seal Requirements; Metallic-shoe-type seal requirements	Y	
8-5-321.3.1	Primary Seal Requirements; Metallic-shoe-type seal requirements--geometry of shoe	Y	
8-5-321.3.2	Primary Seal Requirements; Metallic-shoe-type seal requirements--welded tanks	Y	
8-5-322	Secondary Seal Requirements	Y	
8-5-322.1	Secondary Seal Requirements; No holes, tears, other openings	Y	
8-5-322.2	Secondary Seal Requirements; Insertion of probes	Y	
8-5-322.5	Secondary Seal Requirements; Welded external floating roof tanks with seals installed after 9/4/1985 or welded internal floating roof tanks with seals installed after 2/1/1993	Y	
8-5-322.6	Secondary Seal Requirements; Extent of seal	Y	
8-5-328	Tank Degassing Requirements	Y	
8-5-328.1	Tank Degassing Requirements; Tanks > 75 cubic meters	Y	
8-5-328.1.2	Tank Degassing Requirements; Tanks > 75 cubic meters, Approved Emission Control System	Y	
8-5-328.2	Tank Degassing Requirements; Ozone Excess Day Prohibition	Y	
8-5-401	Inspection Requirements for External Floating Roof Tanks	Y	
8-5-401.1	Inspection Requirements for External Floating Roof Tanks; Primary and Secondary Seal Inspections	Y	
8-5-401.2	Inspection Requirements for External Floating Roof Tanks; Tank Fittings Inspections	Y	
8-5-403	Inspection Requirements for Pressure Vacuum Valves	Y	
8-5-404	Certification	Y	
8-5-405	Information Required	Y	
8-5-501	Records	Y	
8-5-501.1	Records; Type and amounts of liquid, type of blanket gas, TVP - Retain 24 months	Y	

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MACT ZERO-GAP EXTERNAL FLOATING ROOF WASTEWATER SLOP OIL TANK
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8-5-501.2	Records; Internal and External Floating Roof Tanks, Seal Replacement Records - Retain 10 years	Y	
8-5-503	Portable Hydrocarbon Detector	Y	
8-5-602	Analysis of Samples, True Vapor Pressure	Y	
8-5-604	Determination of Applicability	Y	
8-5-605	Pressure Vacuum Valve Gas Tight Determination	Y	
BAAQMD · Regulation 8, Rule 8	**Organic Compounds, Wastewater (Oil-Water Separators) (6/15/1994) REQUIREMENTS FOR SLOP OIL VESSELS**		
8-8-113	Exemption, Secondary Wastewater Treatment Processes and Stormwater Sewer Systems (segregated) are exempt from 8-8-301, 8-8-302, 8-8-306, 8-8-308	Y	
8-8-303	Standards; Gauging and Sampling Devices	Y	
8-8-305	Standards: Oil-Water Separator and/or Air Flotation Unit Slop Oil Vessels	Y	
8-8-305.1	Standards: Oil-Water Separator and/or Air Flotation Unit Slop Oil Vessels – fixed cover requirements	Y	
8-8-503	Monitoring and Records; Inspection and Records	Y	
8-8-504	Monitoring and Records; Portable Hydrocarbon Detector	Y	
8-8-603	Manual of Procedures; Inspection procedures	Y	
NESHAPS Title 40 Part 63 Subpart G	**SOCMI HON G (01/27/1995) REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS**		
40 CFR 63.119(a)	Storage Vessel Provisions -- Reference Control Technology	Y	
40 CFR 63.119(a)(1)	Storage Vessel Provisions -- Reference Control Technology--Group 1, TVP < 76.6 kPa	Y	
40 CFR 63.119(c)	Storage Vessel Provisions -- Reference Control Technology-- External floating roof	Y	
40 CFR 63.119(c)(1)	Storage Vessel Provisions -- Reference Control Technology-- External floating roof seals	Y	
40 CFR 63.119(c)(1)(i)	Storage Vessel Provisions -- Reference Control Technology-- External floating roof double seals required	Y	
40 CFR 63.119(c)(1)(ii)	Storage Vessel Provisions -- Reference Control Technology-- External floating roof primary seal requirements – metallic shoe or liquid-mounted	Y	
40 CFR 63.119(c)(1)(iii)	Storage Vessel Provisions -- Reference Control Technology-- External floating roof seal requirements	Y	
40 CFR 63.119(c)(3)	Storage Vessel Provisions -- Reference Control Technology-- External floating roof--Must float on liquid	Y	
40 CFR 63.119(c)(3)(i)	Storage Vessel Provisions -- Reference Control Technology-- External floating roof --Must float on liquid except during initial fill	Y	
40 CFR 63.119(c)(3)(ii)	Storage Vessel Provisions -- Reference Control Technology-- External floating roof-- Must float on liquid except after completely emptied and degassed	Y	
40 CFR 63.119(c)(3)(iii)	Storage Vessel Provisions -- Reference Control Technology-- External floating roof -- Must float on liquid except when completely emptied before refilling	Y	
40 CFR	Storage Vessel Provisions -- Reference Control Technology--	Y	

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MACT ZERO-GAP EXTERNAL FLOATING ROOF WASTEWATER SLOP OIL TANK
S-133 (TANK 193)

63.119(c)(4)	External Floating Roof Operations, when not floating		
40 CFR 63.120(b)	Storage Vessel Provisions -- Procedures to Determine Compliance--Compliance Demonstration--External floating roof	Y	
40 CFR 63.120(b)(1)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR seal gap measurement	Y	
40 CFR 63.120(b)(1)(i)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR with double seals - primary seal gap measurement – 5 year intervals	Y	
40 CFR 63.120(b)(1)(iii)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR with double seals - secondary seal gap measurement – annual requirement	Y	
40 CFR 63.120(b)(1)(iv)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR seal inspections prior to tank refill with organic HAP after not storing organic HAP for 1 year or longer	Y	
40 CFR 63.120(b)(2)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR seal gap determination methods	Y	
40 CFR 63.120(b)(2)(i)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR seal gap determination methods – roof not resting on legs	Y	
40 CFR 63.120(b)(2)(ii)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR seal gap determination methods – measure gaps around entire circumference of seal and measure width and length of gaps	Y	
40 CFR 63.120(b)(2)(iii)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR seal gap determination methods – determine total surface area of each gap	Y	
40 CFR 63.120(b)(3)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR primary seal gap calculation method – total surface area of primary seal gaps <= 212 cm2 per meter of vessel diameter. Maximum width <= 3.81 cm	Y	
40 CFR 63.120(b)(4)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR secondary seal gap calculation method – total surface area of secondary seal gaps <= 21.2 cm2 per meter of vessel diameter. Maximum width <= 1.27 cm	Y	
40 CFR 63.120(b)(5)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR primary seal additional requirements	Y	
40 CFR 63.120(b)(5)(i)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR primary seal additional requirements – metallic shoe seal – shoe geometry	Y	
40 CFR 63.120(b)(5)(ii)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR primary seal additional requirements – no holes, tears, or openings	Y	
40 CFR 63.120(b)(6)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR secondary seal requirements	Y	
40 CFR 63.120(b)(6)(i)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR secondary seal requirements – location and extent	Y	
40 CFR 63.120(b)(6)(ii)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR secondary seal requirements - no holes, tears or openings	Y	
40 CFR	Storage Vessel Provisions -- Procedures to Determine Compliance--	Y	

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Source-Specific Applicable Requirements
MACT ZERO-GAP EXTERNAL FLOATING ROOF WASTEWATER SLOP OIL TANK
S-133 (TANK 193)

63.120(b)(7)	External FR unsafe to perform seal measurements or inspect the tank		
40 CFR 63.120(b)(7)(i)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR unsafe to perform seal measurements or inspect the tank – complete measurements or inspection within 30 days after determining roof is unsafe or comply with 40 CFR 63.120(b)(7)(ii)	Y	
40 CFR 63.120(b)(7)(ii)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR unsafe to perform seal measurements or inspect the tank – empty and remove vessel from service within 45 days after determining roof is unsafe or comply with 40 CFR 63.120(b)(7)(i). Two 30 day extensions are allowed to empty the tank. Decision to use extension must be documented.	Y	
40 CFR 63.120(b)(8)	Storage Vessel Provisions -- Procedures to Determine Compliance External FR Repairs must be made within 45 days after identification or empty and remove tank from service. Two 30 day extensions are allowed to empty the tank. Decision to use extension must be documented.	Y	
40 CFR 63.120(b)(9)	Storage Vessel Provisions -- Procedures to Determine Compliance External FR seal gap measurement 30 day notification	Y	
40 CFR 63.120(b)(10)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR and seals visual inspection each time emptied	Y	
40 CFR 63.120(b)(10)(i)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR and seal visual inspection each time emptied – Repair defects before refilling [does not apply to gaskets, slotted membranes, or sleeve seals for Group 1 Refinery MACT tanks per 40 CFR 63.646(e)]	Y	
40 CFR 63.120(b)(10)(ii)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR and seal visual inspection each time emptied – 30 day notification	Y	
40 CFR 63.120(b)(10)(iii)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR and seal visual inspection each time emptied –-Notification for unplanned	Y	
40 CFR 63.123(a)	Storage Vessel Provisions -- Recordkeeping--Group 1 and Group 2 storage vessel dimensions and capacity. Keep for life of source.	Y	
40 CFR 63.123(d)	Storage Vessel Provisions -- Recordkeeping--Group 1 External floating roof tank requirements - records of seal gap measurements (date, raw data, and required calculations)	Y	
40 CFR 63.123(g)	Storage Vessel Provisions -- Recordkeeping, Extensions for emptying storage vessel – keep documentation specified	Y	
NESHAPS Title 40 Part 63 Subpart CC	**NESHAPS for Petroleum Refineries (06/12/1996) REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS**		
40 CFR 63.640(c)(2)	Applicability and Designation of Storage Vessels	Y	
40 CFR 63.646(a)	Storage Vessel Provisions--Group 1	Y	
40 CFR 63.646(b)(1)	Storage Vessel Provisions--Determine stored liquid % OHAP for group determination	Y	
40 CFR 63.646(b)(2)	Storage Vessel Provisions--Determine stored liquid % OHAP-method 18 to resolve disputes	Y	
40 CFR 63.646(c)	Storage Vessel Provisions—40 CFR 63 Subpart G exclusions for	Y	

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MACT ZERO-GAP EXTERNAL FLOATING ROOF WASTEWATER SLOP OIL TANK
S-133 (TANK 193)

	storage vessels [EFRs exempt from 63.119(c)(2)]		
40 CFR 63.646(d)	Storage Vessel Provisions--References	Y	
40 CFR 63.646(d)(2)	Storage Vessel Provisions--References to April 22,1994	Y	
40 CFR 63.646(d)(3)	Storage Vessel Provisions--References to December 31, 1992	Y	
40 CFR 63.646(d)(4)	Storage Vessel Provisions--References to compliance dates in 40 CFR 63.100 of Subpart F	Y	
40 CFR 63.646(e)	Storage Vessel Provisions—Exceptions for compliance with inspection requirements of 40 CFR 63.120 of Subpart G – Not required to comply with provisions for gaskets, slotted membranes, and sleeve seals.	Y	
40 CFR 63.646(f)	Storage Vessel Provisions--Group 1 floating roof requirements	Y	
40 CFR 63.646(f)(1)	Storage Vessel Provisions—Group 1 floating roof requirements--Covers or lids closed except when in use	Y	
40 CFR 63.646(f)(2)	Storage Vessel Provisions--Group 1 floating roof requirements--Rim space vents requirements	Y	
40 CFR 63.646(f)(3)	Storage Vessel Provisions-Group 1 floating roof requirements--Automatic bleeder vents requirements	Y	
40 CFR 63.646(l)	Storage Vessel Provisions--State or local permitting agency notification requirements	Y	
40 CFR 63.654(f)	Reporting and Recordkeeping Requirements--Notice of compliance status report requirements	Y	
40 CFR 63.654(f)(1)	Reporting and Recordkeeping Requirements--Notice of compliance status report requirements	Y	
40 CFR 63.654(f)(1)(i)	Reporting and Recordkeeping Requirements--Notice of compliance status report requirements--Reporting--storage vessels	Y	
40 CFR 63.654(f)(1)(i)(A)	Reporting and Recordkeeping Requirements--Notice of compliance status report requirements--Reporting--storage vessels	Y	
40 CFR 63.654(f)(1)(i)(A)(1)	Reporting and Recordkeeping Requirements--Notice of compliance status report requirements--Reporting--storage vessels	Y	
40 CFR 63.654(g)	Periodic Reporting and Recordkeeping Requirements	Y	
40 CFR 63.654(g)(1)	Periodic Reporting and Recordkeeping Requirements--storage vessels [Information related to gaskets, slotted membranes, and sleeve seals not required for storage vessels that are part of existing source]	Y	
40 CFR 63.654(g)(3)	Periodic Reporting and Recordkeeping Requirements--storage vessels with external floating roofs	Y	
40 CFR 63.654(g)(3)(i)	Periodic Reporting and Recordkeeping Requirements--storage vessels with external floating roofs-document results of each seal gap measurement	Y	
40 CFR 63.654(g)(3)(ii)	Periodic Reporting and Recordkeeping Requirements--storage vessels with external floating roofs – extension documentation	Y	
40 CFR 63.654(g)(3)(iii)	Periodic Reporting and Recordkeeping Requirements--storage vessels with external floating roofs – documentation of failures	Y	
40 CFR 63.654(h)(2)	Reporting and Recordkeeping Requirements--Other reports--Storage vessel notification of inspections.	Y	
40 CFR 63.654(h)(2)(i)	Reporting and Recordkeeping Requirements--Other reports--Storage vessel notification of inspections – refilling Group 1 storage vessel.	Y	

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MACT ZERO-GAP EXTERNAL FLOATING ROOF WASTEWATER SLOP OIL TANK
S-133 (TANK 193)

40 CFR 63.654(h)(2)(ii)	Reporting and Recordkeeping Requirements--Other reports--Storage vessel notification of inspections –Group 1 storage vessel seal gap measurements – 30 day notification [can be waived or modified by state or local].	Y	
40 CFR 63.654(h)(6)	Reporting and Recordkeeping Requirements--Other reports--Determination of Applicability	Y	
40 CFR 63.654(h)(6)(ii)	Reporting and Recordkeeping Requirements--Other reports--Determination of Applicability	Y	
40 CFR 63.654(i)(1)	Reporting and Recordkeeping Requirements--Recordkeeping for storage vessels – keep records specified in 40 CFR 63.123 (Subpart G)	Y	
40 CFR 63.654(i)(1)(i)	Reporting and Recordkeeping Requirements--Recordkeeping for storage vessels– keep records specified in 40 CFR 63.123 (Subpart G) except records related to gaskets, slotted membranes, and sleeve seals for vessels in existing sources	Y	
40 CFR 63.654(i)(4)	Reporting and Recordkeeping Requirements—Recordkeeping for storage vessels--Record retention – 5 years	Y	
BAAQMD Condition 20989, Part A	Throughput limits for source S-133	Y	

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NSPS KA EXTERNAL FLOATING ROOF TANK W/O ZERO-GAP SEALS
S-340 (TANK 108)

Applicable Requirement	**Regulation Title or Description of Requirement**	**Federally Enforceable (Y/N)**	**Future Effective Date**
BAAQMD Regulation 8, Rule 5	**Organic Compounds, Storage of Organic Liquids (11/27/02) REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS**		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO	Y	
8-5-111.1.1	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO; 3 day prior notification	Y	
8-5-111.1.2	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO; Telephone notification	Y	
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service; Compliance before notification	Y	
8-5-111.3	Limited Exemption, Tank Removal From and Return to Service; Floating roof tanks - continuous and quick filling, emptying and refilling	Y	
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service; Minimization of emissions	Y	

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NSPS KA EXTERNAL FLOATING ROOF TANK W/O ZERO-GAP SEALS
S-340 (TANK 108)

8-5-111.6	Limited Exemption, Tank Removal From and Return to Service; Written notice of completion not required	Y	
8-5-111.7	Limited Exemption, Tank Removal From and Return to Service; Compliance with Section 8-5-328	Y	
8-5-112	Limited Exemption, Tanks in Operation	Y	
8-5-112.1	Limited Exemption, Tanks in Operation; Notice to the APCO	Y	
8-5-112.1.1	Limited Exemption, Tanks in Operation; Notice to the APCO; 3 day prior notification	Y	
8-5-112.1.2	Limited Exemption, Tanks in Operation; Notice to the APCO; Telephone notification	Y	
8-5-112.2	Limited Exemption, Tanks in Operation; Compliance and certification before commencement of work	Y	
8-5-112.3	Limited Exemption, Tanks in Operation; No product movement; minimization of emissions	Y	
8-5-112.4	Limited Exemption, Tanks in Operation; Exemption does not exceed 7 days	Y	
8-5-301	Storage Tank Control Requirements (internal floating roof, external floating roof, or approved emission control system)	Y	
8-5-304	Requirements for External Floating Roofs	Y	
8-5-304.1	Requirements for External Floating Roofs; Tank fitting requirements	Y	
8-5-304.2	Requirements for External Floating Roofs; Primary seal requirements	Y	
8-5-304.3	Requirements for External Floating Roofs; Secondary seal requirements	Y	
8-5-304.4	Requirements for External Floating Roofs; Floating roof requirements	Y	
8-5-320	Tank fitting requirements – Floating roof tanks	Y	
8-5-320.2	Tank fitting requirements – Floating roof tanks, Gasketed covers, seals, lids – Projection below surface except p/v valves and vacuum breaker vents	Y	
8-5-320.3	Tank fitting requirements – Floating roof tanks, Gasketed covers, seals, lids –	Y	
8-5-320.3.1	Tank fitting requirements – Floating roof tanks, Gasketed covers, seals, lids – Gap requirements	Y	
8-5-320.4	Tank Fitting Requirements; Solid sampling or gauging well requirements in floating roof tanks	Y	
8-5-320.4.1	Tank fitting requirements; Floating roof tanks; Solid sampling or gauging wells; Projection below the liquid surface	Y	
8-5-320.4.2	Tank fitting requirements; Floating roof tanks; Solid sampling or gauging wells; Cover, seal, or lid	Y	
8-5-320.4.3	Tank fitting requirements; Floating roof tanks; Solid sampling or gauging wells; Gap between the well and the roof	Y	
8-5-320.6	Tank Fitting Requirements; Emergency roof drain	Y	
8-5-321	Primary seal requirements	Y	
8-5-321.1	Primary seal requirements; No holes, tears, or other openings	Y	
8-5-321.2	Primary seal requirements; The seal shall be metallic shoe or liquid mounted except as provided in 8-5-305.1.3	Y	

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NSPS KA EXTERNAL FLOATING ROOF TANK W/O ZERO-GAP SEALS
S-340 (TANK 108)

8-5-321.3	Primary Seal Requirements; Metallic-shoe-type seal requirements	Y	
8-5-321.3.1	Primary Seal Requirements; Metallic-shoe-type seal requirements--geometry of shoe	Y	
8-5-321.3.2	Primary Seal Requirements; Metallic-shoe-type seal requirements--welded tanks	Y	
8-5-322	Secondary seal requirements	Y	
8-5-322.1	Secondary seal requirements; No holes, tears, or other openings	Y	
8-5-322.2	Secondary seal requirements; Insertion of probes	Y	
8-5-322.3	Secondary seal requirements; Seal gaps (applicable as long as secondary seal is not a zero-gap seal as defined in 8-5-322.5)	Y	
8-5-322.5	Secondary seal requirements; Gap for welded tanks with seal installed after September 4, 1985 (becomes applicable when secondary seal is considered newly installed and subject to zero-gap seal gap requirements)	Y	
8-5-322.6	Secondary seal requirements; extent of seal	Y	
8-5-328	Tank degassing requirements	Y	
8-5-328.1	Tank degassing requirements; Tanks > 75 cubic meters	Y	
8-5-328.1.2	Tank degassing requirements; Tanks > 75 cubic meters; Concentration of <10,000 ppm as methane after degassing	Y	
8-5-328.2	Tank degassing requirements; Ozone Excess Day Prohibition	Y	
8-5-401	Inspection Requirements for External Floating Roof Tanks	Y	
8-5-401.1	Inspection Requirements for External Floating Roof Tanks; Primary and Secondary Seal Inspections	Y	
8-5-401.2	Inspection Requirements for External Floating Roof Tanks; Tank Fittings Inspections	Y	
8-5-404	Certification	Y	
8-5-405	Information required	Y	
8-5-501	Records	Y	
8-5-501.1	Records; Type and amounts of liquid; true vapor pressure; Retain 24 months	Y	
8-5-501.2	Records; Internal and External Floating Roof Tanks; Seal Replacement Records – Retain 10 years	Y	
8-5-503	Portable hydrocarbon detector	Y	
8-5-602	Analysis of Samples, True Vapor Pressure	Y	
8-5-604	Determination of Applicability	Y	
NESHAPS Title 40 Part 63 Subpart G	**SOCMI HON G (01/27/1995) REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS**		
40 CFR 63.119(a)	Storage Vessel Provisions -- Reference Control Technology	Y	
40 CFR 63.119(a)(1)	Storage Vessel Provisions -- Reference Control Technology--Group 1, TVP < 76.6 kPa	Y	
40 CFR 63.119(c)	Storage Vessel Provisions -- Reference Control Technology--External floating roof	Y	
40 CFR 63.119(c)(1)	Storage Vessel Provisions -- Reference Control Technology--External floating roof seals	Y	
40 CFR 63.119(c)(1)(i)	Storage Vessel Provisions -- Reference Control Technology--External floating roof double seals required	Y	
40 CFR	Storage Vessel Provisions -- Reference Control Technology--	Y	

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S-340 (TANK 108)

63.119(c)(1)(ii)	External floating roof primary seal requirements – metallic shoe or liquid-mounted		
40 CFR 63.119(c)(1)(iii)	Storage Vessel Provisions -- Reference Control Technology--External floating roof seal requirements	Y	
40 CFR 63.119(c)(3)	Storage Vessel Provisions -- Reference Control Technology--External floating roof--Must float on liquid	Y	
40 CFR 63.119(c)(3)(i)	Storage Vessel Provisions -- Reference Control Technology--External floating roof --Must float on liquid except during initial fill	Y	
40 CFR 63.119(c)(3)(ii)	Storage Vessel Provisions -- Reference Control Technology--External floating roof-- Must float on liquid except after completely emptied and degassed	Y	
40 CFR 63.119(c)(3)(iii)	Storage Vessel Provisions -- Reference Control Technology--External floating roof -- Must float on liquid except when completely emptied before refilling	Y	
40 CFR 63.119(c)(4)	Storage Vessel Provisions -- Reference Control Technology--External Floating Roof Operations, when not floating	Y	
40 CFR 63.120(b)	Storage Vessel Provisions -- Procedures to Determine Compliance--Compliance Demonstration--External floating roof	Y	
40 CFR 63.120(b)(1)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR seal gap measurement	Y	
40 CFR 63.120(b)(1)(i)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR with double seals - primary seal gap measurement – 5 year intervals	Y	
40 CFR 63.120(b)(1)(iii)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR with double seals - secondary seal gap measurement – annual requirement	Y	
40 CFR 63.120(b)(1)(iv)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR seal inspections prior to tank refill with organic HAP after not storing organic HAP for 1 year or longer	Y	
40 CFR 63.120(b)(2)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR seal gap determination methods	Y	
40 CFR 63.120(b)(2)(i)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR seal gap determination methods – roof not resting on legs	Y	
40 CFR 63.120(b)(2)(ii)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR seal gap determination methods – measure gaps around entire circumference of seal and measure width and length of gaps	Y	
40 CFR 63.120(b)(2)(iii)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR seal gap determination methods – determine total surface area of each gap	Y	
40 CFR 63.120(b)(3)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR primary seal gap calculation method – total surface area of primary seal gaps <= 212 cm2 per meter of vessel diameter. Maximum width <= 3.81 cm	Y	
40 CFR 63.120(b)(4)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR secondary seal gap calculation method – total surface area of secondary seal gaps <= 21.2 cm2 per meter	Y	

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Source-Specific Applicable Requirements
NSPS KA EXTERNAL FLOATING ROOF TANK W/O ZERO-GAP SEALS
S-340 (TANK 108)

	of vessel diameter. Maximum width <= 1.27 cm		
40 CFR 63.120(b)(5)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR primary seal additional requirements	Y	
40 CFR 63.120(b)(5)(i)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR primary seal additional requirements – metallic shoe seal – shoe geometry	Y	
40 CFR 63.120(b)(5)(ii)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR primary seal additional requirements – no holes, tears, or openings	Y	
40 CFR 63.120(b)(6)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR secondary seal requirements	Y	
40 CFR 63.120(b)(6)(i)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR secondary seal requirements – location and extent	Y	
40 CFR 63.120(b)(6)(ii)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR secondary seal requirements - no holes, tears or openings	Y	
40 CFR 63.120(b)(7)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR unsafe to perform seal measurements or inspect the tank	Y	
40 CFR 63.120(b)(7)(i)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR unsafe to perform seal measurements or inspect the tank – complete measurements or inspection within 30 days after determining roof is unsafe or comply with 40 CFR 63.120(b)(7)(ii)	Y	
40 CFR 63.120(b)(7)(ii)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR unsafe to perform seal measurements or inspect the tank – empty and remove vessel from service within 45 days after determining roof is unsafe or comply with 40 CFR 63.120(b)(7)(i). Two 30 day extensions are allowed to empty the tank. Decision to use extension must be documented.	Y	
40 CFR 63.120(b)(8)	Storage Vessel Provisions -- Procedures to Determine Compliance External FR Repairs must be made within 45 days after identification or empty and remove tank from service. Two 30 day extensions are allowed to empty the tank. Decision to use extension must be documented.	Y	
40 CFR 63.120(b)(9)	Storage Vessel Provisions -- Procedures to Determine Compliance External FR seal gap measurement 30 day notification	Y	
40 CFR 63.120(b)(10)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR and seals visual inspection each time emptied	Y	
40 CFR 63.120(b)(10)(i)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR and seal visual inspection each time emptied – Repair defects before refilling [does not apply to gaskets, slotted membranes, or sleeve seals for Group 1 Refinery MACT tanks per 40 CFR 63.646(e)]	Y	
40 CFR 63.120(b)(10)(ii)	Storage Vessel Provisions -- Procedures to Determine Compliance-- External FR and seal visual inspection each time	Y	

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Source-Specific Applicable Requirements
NSPS KA EXTERNAL FLOATING ROOF TANK W/O ZERO-GAP SEALS
S-340 (TANK 108)

	emptied – 30 day notification		
40 CFR 63.120(b)(10)(iii)	Storage Vessel Provisions -- Procedures to Determine Compliance-- External FR and seal visual inspection each time emptied –-Notification for unplanned	Y	
40 CFR 63.123(a)	Storage Vessel Provisions -- Recordkeeping--Group 1 and Group 2 storage vessel dimensions and capacity. Keep for life of source.	Y	
40 CFR 63.123(d)	Storage Vessel Provisions -- Recordkeeping--Group 1 External floating roof tank requirements - records of seal gap measurements (date, raw data, and required calculations)	Y	
40 CFR 63.123(g)	Storage Vessel Provisions -- Recordkeeping, Extensions for emptying storage vessel – keep documentation specified	Y	
NESHAPS Title 40 Part 63 Subpart CC	**NESHAPS for Petroleum Refineries (06/12/1996) REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS ALSO SUBJECT TO NSPS K or Ka**		
40 CFR 63.640(c)(2)	Applicability and Designation of Storage Vessels	Y	
40 CFR 63.640(n)(5)	Applicability and Designation of Affected Source Overlap for Storage Vessels— Group 1 vessel also subject to NSPS K or Ka only subject to 40 CFR 63 Subpart CC	Y	
40 CFR 63.646(a)	Storage Vessel Provisions--Group 1	Y	
40 CFR 63.646(b)(1)	Storage Vessel Provisions--Determine stored liquid % OHAP for group determination	Y	
40 CFR 63.646(b)(2)	Storage Vessel Provisions--Determine stored liquid % OHAP-method 18 to resolve disputes	Y	
40 CFR 63.646(c)	Storage Vessel Provisions—40 CFR 63 Subpart G exclusions for storage vessels [EFRs exempt from 63.119(c)(2)]	Y	
40 CFR 63.646(d)	Storage Vessel Provisions--References	Y	
40 CFR 63.646(d)(2)	Storage Vessel Provisions--References to April 22,1994	Y	
40 CFR 63.646(d)(3)	Storage Vessel Provisions--References to December 31, 1992	Y	
40 CFR 63.646(d)(4)	Storage Vessel Provisions--References to compliance dates in 40 CFR 63.100 of Subpart F	Y	
40 CFR 63.646(e)	Storage Vessel Provisions—Exceptions for compliance with inspection requirements of 40 CFR 63.120 of Subpart G – Not required to comply with provisions for gaskets, slotted membranes, and sleeve seals.	Y	
40 CFR 63.646(f)	Storage Vessel Provisions--Group 1 floating roof requirements	Y	
40 CFR 63.646(f)(1)	Storage Vessel Provisions—Group 1 floating roof requirements--Covers or lids closed except when in use	Y	
40 CFR 63.646(f)(2)	Storage Vessel Provisions--Group 1 floating roof requirements--Rim space vents requirements	Y	
40 CFR 63.646(f)(3)	Storage Vessel Provisions-Group 1 floating roof requirements--Automatic bleeder vents requirements	Y	
40 CFR 63.646(l)	Storage Vessel Provisions--State or local permitting agency notification requirements	Y	
40 CFR 63.654(f)	Reporting and Recordkeeping Requirements--Notice of compliance status report requirements	Y	
40 CFR	Reporting and Recordkeeping Requirements--Notice of	Y	

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Source-Specific Applicable Requirements
NSPS KA EXTERNAL FLOATING ROOF TANK W/O ZERO-GAP SEALS
S-340 (TANK 108)

63.654(f)(1)	compliance status report requirements		
40 CFR 63.654(f)(1)(i)	Reporting and Recordkeeping Requirements--Notice of compliance status report requirements--Reporting--storage vessels	Y	
40 CFR 63.654(f)(1)(i)(A)	Reporting and Recordkeeping Requirements--Notice of compliance status report requirements--Reporting--storage vessels	Y	
40 CFR 63.654(f)(1)(i)(A)(1)	Reporting and Recordkeeping Requirements--Notice of compliance status report requirements--Reporting--storage vessels	Y	
40 CFR 63.654(g)	Periodic Reporting and Recordkeeping Requirements	Y	
40 CFR 63.654(g)(1)	Periodic Reporting and Recordkeeping Requirements--storage vessels [Information related to gaskets, slotted membranes, and sleeve seals not required for storage vessels that are part of existing source]	Y	
40 CFR 63.654(g)(3)	Periodic Reporting and Recordkeeping Requirements--storage vessels with external floating roofs	Y	
40 CFR 63.654(g)(3)(i)	Periodic Reporting and Recordkeeping Requirements--storage vessels with external floating roofs-document results of each seal gap measurement	Y	
40 CFR 63.654(g)(3)(ii)	Periodic Reporting and Recordkeeping Requirements--storage vessels with external floating roofs – extension documentation	Y	
40 CFR 63.654(g)(3)(iii)	Periodic Reporting and Recordkeeping Requirements--storage vessels with external floating roofs – documentation of failures	Y	
40 CFR 63.654(h)(2)	Reporting and Recordkeeping Requirements--Other reports--Storage vessel notification of inspections.	Y	
40 CFR 63.654(h)(2)(i)	Reporting and Recordkeeping Requirements--Other reports--Storage vessel notification of inspections – refilling Group 1 storage vessel.	Y	
40 CFR 63.654(h)(2)(ii)	Reporting and Recordkeeping Requirements--Other reports--Storage vessel notification of inspections –Group 1 storage vessel seal gap measurements – 30 day notification [can be waived or modified by state or local].	Y	
40 CFR 63.654(h)(6)	Reporting and Recordkeeping Requirements--Other reports--Determination of Applicability	Y	
40 CFR 63.654(h)(6)(ii)	Reporting and Recordkeeping Requirements--Other reports--Determination of Applicability	Y	
40 CFR 63.654(i)(1)	Reporting and Recordkeeping Requirements--Recordkeeping for storage vessels – keep records specified in 40 CFR 63.123 (Subpart G)	Y	
40 CFR 63.654(i)(1)(i)	Reporting and Recordkeeping Requirements--Recordkeeping for storage vessels– keep records specified in 40 CFR 63.123 (Subpart G) except records related to gaskets, slotted membranes, and sleeve seals for vessels in existing sources	Y	
40 CFR 63.654(i)(4)	Reporting and Recordkeeping Requirements—Recordkeeping for storage vessels--Record retention – 5 years	Y	
NSPS Title 40 Part 60 Subpart Ka	**NSPS Subpart Ka for Tanks (12/14/2000)**		
40 CFR 60.110a(a)	Applicability and Designation of Affected Facility	Y	

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NSPS KA EXTERNAL FLOATING ROOF TANK W/O ZERO-GAP SEALS
S-340 (TANK 108)

BAAQMD Condition 20989, Part A	Throughput limits for sources S-340	Y	

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MACT EXTERNAL FLOATING ROOF TANKS W/O ZERO-GAP SEALS
S-107 (TANK 150), S-113 (TANK 158), S-124 (TANK 169), S-125 (TANK 170), S-183 (TANK 295), S-184 (TANK 296), S-261 (TANK 1010)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD · Regulation 8, Rule 5	**Organic Compounds, Storage of Organic Liquids (11/27/02) REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS**		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO	Y	
8-5-111.1.1	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO; 3 day prior notification	Y	
8-5-111.1.2	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO; Telephone notification	Y	
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service; Compliance before notification	Y	
8-5-111.3	Limited Exemption, Tank Removal From and Return to Service; Floating roof tanks - continuous and quick filling, emptying and refilling	Y	
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service; Minimization of emissions	Y	
8-5-111.6	Limited Exemption, Tank Removal From and Return to Service; Written notice of completion not required	Y	
8-5-111.7	Limited Exemption, Tank Removal From and Return to Service; Compliance with Section 8-5-328	Y	
8-5-112	Limited Exemption, Tanks in Operation	Y	
8-5-112.1	Limited Exemption, Tanks in Operation; Notice to the APCO	Y	
8-5-112.1.1	Limited Exemption, Tanks in Operation; Notice to the APCO; 3 day prior notification	Y	
8-5-112.1.2	Limited Exemption, Tanks in Operation; Notice to the APCO; Telephone notification	Y	
8-5-112.2	Limited Exemption, Tanks in Operation; Compliance and certification before commencement of work	Y	
8-5-112.3	Limited Exemption, Tanks in Operation; No product movement; minimization of emissions	Y	
8-5-112.4	Limited Exemption, Tanks in Operation; Exemption does not exceed 7 days	Y	

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MACT External Floating Roof Tanks w/o Zero-Gap Seals
S-107 (Tank 150), S-113 (Tank 158), S-124 (Tank 169), S-125 (Tank 170), S-183 (Tank 295), S-184 (Tank 296), S-261 (Tank 1010)

8-5-301	Storage Tank Control Requirements (internal floating roof, external floating roof, or approved emission control system)	Y	
8-5-303	Requirements for Pressure Vacuum Valves (applicable to S-107 (Tank 150), S-113 (Tank 158), S-125 (Tank 170))	Y	
8-5-303.1	Requirements for Pressure Vacuum Valves; Set pressure (applicable to S-107 (Tank 150), S-113 (Tank 158), S-125 (Tank 170))	Y	
8-5-303.2	Requirements for Pressure Vacuum Valves; Installation, maintenance, operation (applicable to S-107 (Tank 150), S-113 (Tank 158), S-125 (Tank 170))	Y	
8-5-304	Requirements for External Floating Roofs	Y	
8-5-304.1	Requirements for External Floating Roofs; Tank fitting requirements	Y	
8-5-304.2	Requirements for External Floating Roofs; Primary seal requirements	Y	
8-5-304.3	Requirements for External Floating Roofs; Secondary seal requirements	Y	
8-5-304.4	Requirements for External Floating Roofs; Floating roof requirements	Y	
8-5-320	Tank fitting requirements – Floating roof tanks	Y	
8-5-320.2	Tank fitting requirements – Floating roof tanks, Gasketed covers, seals, lids – Projection below surface except p/v valves and vacuum breaker vents	Y	
8-5-320.3	Tank fitting requirements – Floating roof tanks, Gasketed covers, seals, lids –	Y	
8-5-320.3.1	Tank fitting requirements – Floating roof tanks, Gasketed covers, seals, lids – Gap requirements	Y	
8-5-320.4	Tank Fitting Requirements; Solid sampling or gauging well requirements in floating roof tanks	Y	
8-5-320.4.1	Tank fitting requirements; Floating roof tanks; Solid sampling or gauging wells; Projection below the liquid surface	Y	
8-5-320.4.2	Tank fitting requirements; Floating roof tanks; Solid sampling or gauging wells; Cover, seal, or lid	Y	
8-5-320.4.3	Tank fitting requirements; Floating roof tanks; Solid sampling or gauging wells; Gap between the well and the roof	Y	
8-5-320.6	Tank Fitting Requirements; Emergency roof drain	Y	
8-5-321	Primary seal requirements	Y	
8-5-321.1	Primary seal requirements; No holes, tears, or other openings	Y	
8-5-321.2	Primary seal requirements; The seal shall be metallic shoe or liquid mounted except as provided in 8-5-305.1.3	Y	
8-5-321.3	Primary Seal Requirements; Metallic-shoe-type seal requirements	Y	
8-5-321.3.1	Primary Seal Requirements; Metallic-shoe-type seal requirements--geometry of shoe	Y	
8-5-321.3.2	Primary Seal Requirements; Metallic-shoe-type seal requirements--welded tanks	Y	
8-5-322	Secondary seal requirements	Y	
8-5-322.1	Secondary seal requirements; No holes, tears, or other openings	Y	
8-5-322.2	Secondary seal requirements; Insertion of probes	Y	
8-5-322.3	Secondary seal requirements; Seal gaps (applicable as long as	Y	

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MACT External Floating Roof Tanks w/o Zero-Gap Seals
S-107 (Tank 150), S-113 (Tank 158), S-124 (Tank 169), S-125 (Tank 170), S-183 (Tank 295), S-184 (Tank 296), S-261 (Tank 1010)

	secondary seal is not zero-gap seal as defined in 8-5-322.5)		
8-5-322.5	Secondary seal requirements; Gap for welded tanks with seal installed after September 4, 1985 (becomes applicable when secondary seal is considered newly installed and subject to zero-gap seal gap requirements)	Y	
8-5-322.6	Secondary seal requirements; extent of seal	Y	
8-5-328	Tank degassing requirements	Y	
8-5-328.1	Tank degassing requirements; Tanks > 75 cubic meters	Y	
8-5-328.1.2	Tank degassing requirements; Tanks > 75 cubic meters; Concentration of <10,000 ppm as methane after degassing	Y	
8-5-328.2	Tank degassing requirements; Ozone Excess Day Prohibition	Y	
8-5-401	Inspection Requirements for External Floating Roof Tanks	Y	
8-5-401.1	Inspection Requirements for External Floating Roof Tanks; Primary and Secondary Seal Inspections	Y	
8-5-401.2	Inspection Requirements for External Floating Roof Tanks; Tank Fittings Inspections	Y	
8-5-403	Inspection Requirements for Pressure Vacuum Valves (applicable to S-107 (Tank 150), S-113 (Tank 158), S-125 (Tank 170))	Y	
8-5-404	Certification	Y	
8-5-405	Information required	Y	
8-5-501	Records	Y	
8-5-501.1	Records; Type and amounts of liquid; true vapor pressure; Retain 24 months	Y	
8-5-501.2	Records; Internal and External Floating Roof Tanks; Seal Replacement Records – Retain 10 years	Y	
8-5-503	Portable hydrocarbon detector	Y	
8-5-602	Analysis of Samples, True Vapor Pressure	Y	
8-5-604	Determination of Applicability	Y	
8-5-605	Pressure-Vacuum Valve Gas Tight Determination (applicable to S-107 (Tank 150), S-113 (Tank 158), S-125 (Tank 170))	Y	
NESHAPS Title 40 Part 63 Subpart G	**SOCMI HON G (01/27/1995) REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS**		
40 CFR 63.119(a)	Storage Vessel Provisions -- Reference Control Technology	Y	
40 CFR 63.119(a)(1)	Storage Vessel Provisions -- Reference Control Technology--Group 1, TVP < 76.6 kPa	Y	
40 CFR 63.119(c)	Storage Vessel Provisions -- Reference Control Technology-- External floating roof	Y	
40 CFR 63.119(c)(1)	Storage Vessel Provisions -- Reference Control Technology-- External floating roof seals	Y	
40 CFR 63.119(c)(1)(i)	Storage Vessel Provisions -- Reference Control Technology-- External floating roof double seals required	Y	
40 CFR 63.119(c)(1)(ii)	Storage Vessel Provisions -- Reference Control Technology-- External floating roof primary seal requirements – metallic shoe or liquid-mounted	Y	
40 CFR 63.119(c)(1)(iii)	Storage Vessel Provisions -- Reference Control Technology-- External floating roof seal requirements	Y	

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S-107 (TANK 150), S-113 (TANK 158), S-124 (TANK 169), S-125 (TANK 170), S-183 (TANK 295), S-184 (TANK 296), S-261 (TANK 1010)

40 CFR 63.119(c)(3)	Storage Vessel Provisions -- Reference Control Technology-- External floating roof--Must float on liquid	Y	
40 CFR 63.119(c)(3)(i)	Storage Vessel Provisions -- Reference Control Technology-- External floating roof --Must float on liquid except during initial fill	Y	
40 CFR 63.119(c)(3)(ii)	Storage Vessel Provisions -- Reference Control Technology-- External floating roof-- Must float on liquid except after completely emptied and degassed	Y	
40 CFR 63.119(c)(3)(iii)	Storage Vessel Provisions -- Reference Control Technology-- External floating roof -- Must float on liquid except when completely emptied before refilling	Y	
40 CFR 63.119(c)(4)	Storage Vessel Provisions -- Reference Control Technology-- External Floating Roof Operations, when not floating	Y	
40 CFR 63.120(b)	Storage Vessel Provisions -- Procedures to Determine Compliance-- Compliance Demonstration--External floating roof	Y	
40 CFR 63.120(b)(1)	Storage Vessel Provisions -- Procedures to Determine Compliance-- External FR seal gap measurement	Y	
40 CFR 63.120(b)(1)(i)	Storage Vessel Provisions -- Procedures to Determine Compliance-- External FR with double seals - primary seal gap measurement – 5 year intervals	Y	
40 CFR 63.120(b)(1)(iii)	Storage Vessel Provisions -- Procedures to Determine Compliance-- External FR with double seals - secondary seal gap measurement – annual requirement	Y	
40 CFR 63.120(b)(1)(iv)	Storage Vessel Provisions -- Procedures to Determine Compliance-- External FR seal inspections prior to tank refill with organic HAP after not storing organic HAP for 1 year or longer	Y	
40 CFR 63.120(b)(2)	Storage Vessel Provisions -- Procedures to Determine Compliance-- External FR seal gap determination methods	Y	
40 CFR 63.120(b)(2)(i)	Storage Vessel Provisions -- Procedures to Determine Compliance-- External FR seal gap determination methods – roof not resting on legs	Y	
40 CFR 63.120(b)(2)(ii)	Storage Vessel Provisions -- Procedures to Determine Compliance-- External FR seal gap determination methods – measure gaps around entire circumference of seal and measure width and length of gaps	Y	
40 CFR 63.120(b)(2)(iii)	Storage Vessel Provisions -- Procedures to Determine Compliance-- External FR seal gap determination methods – determine total surface area of each gap	Y	
40 CFR 63.120(b)(3)	Storage Vessel Provisions -- Procedures to Determine Compliance-- External FR primary seal gap calculation method – total surface area of primary seal gaps <= 212 cm2 per meter of vessel diameter. Maximum width <= 3.81 cm	Y	
40 CFR 63.120(b)(4)	Storage Vessel Provisions -- Procedures to Determine Compliance-- External FR secondary seal gap calculation method – total surface area of secondary seal gaps <= 21.2 cm2 per meter of vessel diameter. Maximum width <= 1.27 cm	Y	
40 CFR 63.120(b)(5)	Storage Vessel Provisions -- Procedures to Determine Compliance-- External FR primary seal additional requirements	Y	
40 CFR 63.120(b)(5)(i)	Storage Vessel Provisions -- Procedures to Determine Compliance-- External FR primary seal additional requirements – metallic shoe	Y	

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	seal – shoe geometry		
40 CFR 63.120(b)(5)(ii)	Storage Vessel Provisions -- Procedures to Determine Compliance-- External FR primary seal additional requirements – no holes, tears, or openings	Y	
40 CFR 63.120(b)(6)	Storage Vessel Provisions -- Procedures to Determine Compliance-- External FR secondary seal requirements	Y	
40 CFR 63.120(b)(6)(i)	Storage Vessel Provisions -- Procedures to Determine Compliance-- External FR secondary seal requirements – location and extent	Y	
40 CFR 63.120(b)(6)(ii)	Storage Vessel Provisions -- Procedures to Determine Compliance-- External FR secondary seal requirements - no holes, tears or openings	Y	
40 CFR 63.120(b)(7)	Storage Vessel Provisions -- Procedures to Determine Compliance-- External FR unsafe to perform seal measurements or inspect the tank	Y	
40 CFR 63.120(b)(7)(i)	Storage Vessel Provisions -- Procedures to Determine Compliance-- External FR unsafe to perform seal measurements or inspect the tank – complete measurements or inspection within 30 days after determining roof is unsafe or comply with 40 CFR 63.120(b)(7)(ii)	Y	
40 CFR 63.120(b)(7)(ii)	Storage Vessel Provisions -- Procedures to Determine Compliance-- External FR unsafe to perform seal measurements or inspect the tank – empty and remove vessel from service within 45 days after determining roof is unsafe or comply with 40 CFR 63.120(b)(7)(i). Two 30 day extensions are allowed to empty the tank. Decision to use extension must be documented.	Y	
40 CFR 63.120(b)(8)	Storage Vessel Provisions -- Procedures to Determine Compliance External FR Repairs must be made within 45 days after identification or empty and remove tank from service. Two 30 day extensions are allowed to empty the tank. Decision to use extension must be documented.	Y	
40 CFR 63.120(b)(9)	Storage Vessel Provisions -- Procedures to Determine Compliance External FR seal gap measurement 30 day notification	Y	
40 CFR 63.120(b)(10)	Storage Vessel Provisions -- Procedures to Determine Compliance-- External FR and seals visual inspection each time emptied	Y	
40 CFR 63.120(b)(10)(i)	Storage Vessel Provisions -- Procedures to Determine Compliance-- External FR and seal visual inspection each time emptied – Repair defects before refilling [does not apply to gaskets, slotted membranes, or sleeve seals for Group 1 Refinery MACT tanks per 40 CFR 63.646(e)]	Y	
40 CFR 63.120(b)(10)(ii)	Storage Vessel Provisions -- Procedures to Determine Compliance-- External FR and seal visual inspection each time emptied – 30 day notification	Y	
40 CFR 63.120(b)(10)(iii)	Storage Vessel Provisions -- Procedures to Determine Compliance-- External FR and seal visual inspection each time emptied –- Notification for unplanned	Y	
40 CFR 63.123(a)	Storage Vessel Provisions -- Recordkeeping--Group 1 and Group 2 storage vessel dimensions and capacity. Keep for life of source.	Y	
40 CFR 63.123(d)	Storage Vessel Provisions -- Recordkeeping--Group 1 External floating roof tank requirements - records of seal gap measurements (date, raw data, and required calculations)	Y	

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40 CFR 63.123(g)	Storage Vessel Provisions -- Recordkeeping, Extensions for emptying storage vessel – keep documentation specified	Y	
NESHAPS Title 40 Part 63 Subpart CC	**NESHAPS for Petroleum Refineries (06/12/1996) REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS**		
40 CFR 63.640(c)(2)	Applicability and Designation of Storage Vessels	Y	
40 CFR 63.646(a)	Storage Vessel Provisions--Group 1	Y	
40 CFR 63.646(b)(1)	Storage Vessel Provisions--Determine stored liquid % OHAP for group determination	Y	
40 CFR 63.646(b)(2)	Storage Vessel Provisions--Determine stored liquid % OHAP-method 18 to resolve disputes	Y	
40 CFR 63.646(c)	Storage Vessel Provisions—40 CFR 63 Subpart G exclusions for storage vessels [EFRs exempt from 63.119(c)(2)]	Y	
40 CFR 63.646(d)	Storage Vessel Provisions--References	Y	
40 CFR 63.646(d)(2)	Storage Vessel Provisions--References to April 22,1994	Y	
40 CFR 63.646(d)(3)	Storage Vessel Provisions--References to December 31, 1992	Y	
40 CFR 63.646(d)(4)	Storage Vessel Provisions--References to compliance dates in 40 CFR 63.100 of Subpart F	Y	
40 CFR 63.646(e)	Storage Vessel Provisions—Exceptions for compliance with inspection requirements of 40 CFR 63.120 of Subpart G – Not required to comply with provisions for gaskets, slotted membranes, and sleeve seals.	Y	
40 CFR 63.646(f)	Storage Vessel Provisions--Group 1 floating roof requirements	Y	
40 CFR 63.646(f)(1)	Storage Vessel Provisions—Group 1 floating roof requirements--Covers or lids closed except when in use	Y	
40 CFR 63.646(f)(2)	Storage Vessel Provisions--Group 1 floating roof requirements--Rim space vents requirements	Y	
40 CFR 63.646(f)(3)	Storage Vessel Provisions-Group 1 floating roof requirements--Automatic bleeder vents requirements	Y	
40 CFR 63.646(l)	Storage Vessel Provisions--State or local permitting agency notification requirements	Y	
40 CFR 63.654(f)	Reporting and Recordkeeping Requirements--Notice of compliance status report requirements	Y	
40 CFR 63.654(f)(1)	Reporting and Recordkeeping Requirements--Notice of compliance status report requirements	Y	
40 CFR 63.654(f)(1)(i)	Reporting and Recordkeeping Requirements--Notice of compliance status report requirements--Reporting--storage vessels	Y	
40 CFR 63.654(f)(1)(i)(A)	Reporting and Recordkeeping Requirements--Notice of compliance status report requirements--Reporting--storage vessels	Y	
40 CFR 63.654(f)(1)(i)(A)(1)	Reporting and Recordkeeping Requirements--Notice of compliance status report requirements--Reporting--storage vessels	Y	
40 CFR 63.654(g)	Periodic Reporting and Recordkeeping Requirements	Y	
40 CFR	Periodic Reporting and Recordkeeping Requirements--storage	Y	

IV. Source Specific Applicable Requirements

Table IV – B18
Source-Specific Applicable Requirements
MACT EXTERNAL FLOATING ROOF TANKS W/O ZERO-GAP SEALS
S-107 (TANK 150), S-113 (TANK 158), S-124 (TANK 169), S-125 (TANK 170), S-183 (TANK 295), S-184 (TANK 296), S-261 (TANK 1010)

63.654(g)(1)	vessels [Information related to gaskets, slotted membranes, and sleeve seals not required for storage vessels that are part of existing source]		
40 CFR 63.654(g)(3)	Periodic Reporting and Recordkeeping Requirements--storage vessels with external floating roofs	Y	
40 CFR 63.654(g)(3)(i)	Periodic Reporting and Recordkeeping Requirements--storage vessels with external floating roofs-document results of each seal gap measurement	Y	
40 CFR 63.654(g)(3)(ii)	Periodic Reporting and Recordkeeping Requirements--storage vessels with external floating roofs – extension documentation	Y	
40 CFR 63.654(g)(3)(iii)	Periodic Reporting and Recordkeeping Requirements--storage vessels with external floating roofs – documentation of failures	Y	
40 CFR 63.654(h)(2)	Reporting and Recordkeeping Requirements--Other reports--Storage vessel notification of inspections.	Y	
40 CFR 63.654(h)(2)(i)	Reporting and Recordkeeping Requirements--Other reports--Storage vessel notification of inspections – refilling Group 1 storage vessel.	Y	
40 CFR 63.654(h)(2)(ii)	Reporting and Recordkeeping Requirements--Other reports--Storage vessel notification of inspections –Group 1 storage vessel seal gap measurements – 30 day notification [can be waived or modified by state or local].	Y	
40 CFR 63.654(h)(6)	Reporting and Recordkeeping Requirements--Other reports--Determination of Applicability	Y	
40 CFR 63.654(h)(6)(ii)	Reporting and Recordkeeping Requirements--Other reports--Determination of Applicability	Y	
40 CFR 63.654(i)(1)	Reporting and Recordkeeping Requirements--Recordkeeping for storage vessels – keep records specified in 40 CFR 63.123 (Subpart G)	Y	
40 CFR 63.654(i)(1)(i)	Reporting and Recordkeeping Requirements--Recordkeeping for storage vessels– keep records specified in 40 CFR 63.123 (Subpart G) except records related to gaskets, slotted membranes, and sleeve seals for vessels in existing sources	Y	
40 CFR 63.654(i)(4)	Reporting and Recordkeeping Requirements—Recordkeeping for storage vessels--Record retention – 5 years	Y	
BAAQMD Condition 20989, Part A	Throughput limits for sources S-107, S-113, S-124, S-125, S-261	N	
BAAQMD Condition 20989, Part A	Throughput limits for sources S-183, S-184	Y	

Table IV – B19
Source-Specific Applicable Requirements
RIVETED MACT EXTERNAL FLOATING ROOF TANK
S-216 (TANK 695A)

IV. Source Specific Applicable Requirements

Table IV – B19
Source-Specific Applicable Requirements
RIVETED MACT EXTERNAL FLOATING ROOF TANK
S-216 (TANK 695A)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD · Regulation 8, Rule 5	**Organic Compounds, Storage of Organic Liquids (11/27/02) REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS**		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO	Y	
8-5-111.1.1	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO; 3 day prior notification	Y	
8-5-111.1.2	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO; Telephone notification	Y	
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service; Compliance before notification	Y	
8-5-111.3	Limited Exemption, Tank Removal From and Return to Service; Floating roof tanks - continuous and quick filling, emptying and refilling	Y	
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service; Minimization of emissions	Y	
8-5-111.6	Limited Exemption, Tank Removal From and Return to Service; Written notice of completion not required	Y	
8-5-111.7	Limited Exemption, Tank Removal From and Return to Service; Compliance with Section 8-5-328	Y	
8-5-112	Limited Exemption, Tanks in Operation	Y	
8-5-112.1	Limited Exemption, Tanks in Operation; Notice to the APCO	Y	
8-5-112.1.1	Limited Exemption, Tanks in Operation; Notice to the APCO; 3 day prior notification	Y	
8-5-112.1.2	Limited Exemption, Tanks in Operation; Notice to the APCO; Telephone notification	Y	
8-5-112.2	Limited Exemption, Tanks in Operation; Compliance and certification before commencement of work	Y	
8-5-112.3	Limited Exemption, Tanks in Operation; No product movement; minimization of emissions	Y	
8-5-112.4	Limited Exemption, Tanks in Operation; Exemption does not exceed 7 days	Y	
8-5-301	Storage Tank Control Requirements (internal floating roof, external floating roof, or approved emission control system)	Y	
8-5-304	Requirements for External Floating Roofs	Y	
8-5-304.1	Requirements for External Floating Roofs; Tank fitting requirements	Y	
8-5-304.2	Requirements for External Floating Roofs; Primary seal requirements	Y	
8-5-304.3	Requirements for External Floating Roofs; Secondary seal requirements	Y	
8-5-304.4	Requirements for External Floating Roofs; Floating roof requirements	Y	
8-5-320	Tank fitting requirements – Floating roof tanks	Y	
8-5-320.2	Tank fitting requirements – Floating roof tanks, Gasketed covers,	Y	

IV. Source Specific Applicable Requirements

Table IV – B19
Source-Specific Applicable Requirements
RIVETED MACT EXTERNAL FLOATING ROOF TANK
S-216 (TANK 695A)

	seals, lids – Projection below surface except p/v valves and vacuum breaker vents		
8-5-320.3	Tank fitting requirements – Floating roof tanks, Gasketed covers, seals, lids –	Y	
8-5-320.3.1	Tank fitting requirements – Floating roof tanks, Gasketed covers, seals, lids – Gap requirements	Y	
8-5-320.4	Tank Fitting Requirements; Solid sampling or gauging well requirements in floating roof tanks	Y	
8-5-320.4.1	Tank fitting requirements; Floating roof tanks; Solid sampling or gauging wells; Projection below the liquid surface	Y	
8-5-320.4.2	Tank fitting requirements; Floating roof tanks; Solid sampling or gauging wells; Cover, seal, or lid	Y	
8-5-320.4.3	Tank fitting requirements; Floating roof tanks; Solid sampling or gauging wells; Gap between the well and the roof	Y	
8-5-320.6	Tank Fitting Requirements; Emergency roof drain	Y	
8-5-321	Primary seal requirements	Y	
8-5-321.1	Primary seal requirements; No holes, tears, or other openings	Y	
8-5-321.2	Primary seal requirements; The seal shall be metallic shoe or liquid mounted except as provided in 8-5-305.1.3	Y	
8-5-321.3	Primary seal requirements; Metallic shoe type seal requirements	Y	
8-5-321.3.1	Primary seal requirements; Metallic shoe type seal requirements Geometry of shoe	Y	
8-5-321.3.3	Primary seal requirements; Metallic shoe type seal requirements: Gaps for riveted tanks	Y	
8-5-322	Secondary seal requirements	Y	
8-5-322.1	Secondary seal requirements; No holes, tears, or other openings	Y	
8-5-322.2	Secondary seal requirements; Insertion of probes	Y	
8-5-322.3	Secondary seal requirements; Seal gaps	Y	
8-5-322.4	Secondary seal requirements; Riveted tanks	Y	
8-5-322.6	Secondary seal requirements; extent of seal	Y	
8-5-328	Tank degassing requirements	Y	
8-5-328.1	Tank degassing requirements; Tanks > 75 cubic meters	Y	
8-5-328.1.2	Tank degassing requirements; Tanks > 75 cubic meters; Concentration of <10,000 ppm as methane after degassing	Y	
8-5-328.2	Tank degassing requirements; Ozone Excess Day Prohibition	Y	
8-5-401	Inspection Requirements for External Floating Roof Tanks	Y	
8-5-401.1	Inspection Requirements for External Floating Roof Tanks; Primary and Secondary Seal Inspections	Y	
8-5-401.2	Inspection Requirements for External Floating Roof Tanks; Tank Fittings Inspections	Y	
8-5-404	Certification	Y	
8-5-405	Information required	Y	
8-5-501	Records	Y	
8-5-501.1	Records; Type and amounts of liquid; true vapor pressure; Retain 24 months	Y	
8-5-501.2	Records; Internal and External Floating Roof Tanks; Seal Replacement Records – Retain 10 years	Y	

IV. Source Specific Applicable Requirements

Table IV – B19
Source-Specific Applicable Requirements
RIVETED MACT EXTERNAL FLOATING ROOF TANK
S-216 (TANK 695A)

8-5-503	Portable hydrocarbon detector	Y	
8-5-602	Analysis of Samples, True Vapor Pressure	Y	
8-5-604	Determination of Applicability	Y	
NESHAPS Title 40 Part 63 Subpart G	**SOCMI HON G (01/27/1995) REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS**		
40 CFR 63.119(a)	Storage Vessel Provisions -- Reference Control Technology	Y	
40 CFR 63.119(a)(1)	Storage Vessel Provisions -- Reference Control Technology--Group 1, TVP < 76.6 kPa	Y	
40 CFR 63.119(c)	Storage Vessel Provisions -- Reference Control Technology-- External floating roof	Y	
40 CFR 63.119(c)(1)	Storage Vessel Provisions -- Reference Control Technology-- External floating roof seals	Y	
40 CFR 63.119(c)(1)(i)	Storage Vessel Provisions -- Reference Control Technology-- External floating roof double seals required	Y	
40 CFR 63.119(c)(1)(ii)	Storage Vessel Provisions -- Reference Control Technology-- External floating roof primary seal requirements – metallic shoe or liquid-mounted	Y	
40 CFR 63.119(c)(1)(iii)	Storage Vessel Provisions -- Reference Control Technology-- External floating roof seal requirements	Y	
40 CFR 63.119(c)(3)	Storage Vessel Provisions -- Reference Control Technology-- External floating roof--Must float on liquid	Y	
40 CFR 63.119(c)(3)(i)	Storage Vessel Provisions -- Reference Control Technology-- External floating roof --Must float on liquid except during initial fill	Y	
40 CFR 63.119(c)(3)(ii)	Storage Vessel Provisions -- Reference Control Technology-- External floating roof-- Must float on liquid except after completely emptied and degassed	Y	
40 CFR 63.119(c)(3)(iii)	Storage Vessel Provisions -- Reference Control Technology-- External floating roof -- Must float on liquid except when completely emptied before refilling	Y	
40 CFR 63.119(c)(4)	Storage Vessel Provisions -- Reference Control Technology-- External Floating Roof Operations, when not floating	Y	
40 CFR 63.120(b)	Storage Vessel Provisions -- Procedures to Determine Compliance-- Compliance Demonstration--External floating roof	Y	
40 CFR 63.120(b)(1)	Storage Vessel Provisions -- Procedures to Determine Compliance-- External FR seal gap measurement	Y	
40 CFR 63.120(b)(1)(i)	Storage Vessel Provisions -- Procedures to Determine Compliance-- External FR with double seals - primary seal gap measurement – 5 year intervals	Y	
40 CFR 63.120(b)(1)(iii)	Storage Vessel Provisions -- Procedures to Determine Compliance-- External FR with double seals - secondary seal gap measurement – annual requirement	Y	
40 CFR 63.120(b)(1)(iv)	Storage Vessel Provisions -- Procedures to Determine Compliance-- External FR seal inspections prior to tank refill with organic HAP after not storing organic HAP for 1 year or longer	Y	
40 CFR 63.120(b)(2)	Storage Vessel Provisions -- Procedures to Determine Compliance-- External FR seal gap determination methods	Y	
40 CFR 63.120(b)(2)(i)	Storage Vessel Provisions -- Procedures to Determine Compliance-- External FR seal gap determination methods – roof not resting on	Y	

IV. Source Specific Applicable Requirements

Table IV – B19
Source-Specific Applicable Requirements
RIVETED MACT EXTERNAL FLOATING ROOF TANK
S-216 (TANK 695A)

	legs		
40 CFR 63.120(b)(2)(ii)	Storage Vessel Provisions -- Procedures to Determine Compliance-- External FR seal gap determination methods – measure gaps around entire circumference of seal and measure width and length of gaps	Y	
40 CFR 63.120(b)(2)(iii)	Storage Vessel Provisions -- Procedures to Determine Compliance-- External FR seal gap determination methods – determine total surface area of each gap	Y	
40 CFR 63.120(b)(3)	Storage Vessel Provisions -- Procedures to Determine Compliance-- External FR primary seal gap calculation method – total surface area of primary seal gaps <= 212 cm2 per meter of vessel diameter. Maximum width <= 3.81 cm	Y	
40 CFR 63.120(b)(4)	Storage Vessel Provisions -- Procedures to Determine Compliance-- External FR secondary seal gap calculation method – total surface area of secondary seal gaps <= 21.2 cm2 per meter of vessel diameter. Maximum width <= 1.27 cm	Y	
40 CFR 63.120(b)(5)	Storage Vessel Provisions -- Procedures to Determine Compliance-- External FR primary seal additional requirements	Y	
40 CFR 63.120(b)(5)(i)	Storage Vessel Provisions -- Procedures to Determine Compliance-- External FR primary seal additional requirements – metallic shoe seal – shoe geometry	Y	
40 CFR 63.120(b)(5)(ii)	Storage Vessel Provisions -- Procedures to Determine Compliance-- External FR primary seal additional requirements – no holes, tears, or openings	Y	
40 CFR 63.120(b)(6)	Storage Vessel Provisions -- Procedures to Determine Compliance-- External FR secondary seal requirements	Y	
40 CFR 63.120(b)(6)(i)	Storage Vessel Provisions -- Procedures to Determine Compliance-- External FR secondary seal requirements – location and extent	Y	
40 CFR 63.120(b)(6)(ii)	Storage Vessel Provisions -- Procedures to Determine Compliance-- External FR secondary seal requirements - no holes, tears or openings	Y	
40 CFR 63.120(b)(7)	Storage Vessel Provisions -- Procedures to Determine Compliance-- External FR unsafe to perform seal measurements or inspect the tank	Y	
40 CFR 63.120(b)(7)(i)	Storage Vessel Provisions -- Procedures to Determine Compliance-- External FR unsafe to perform seal measurements or inspect the tank – complete measurements or inspection within 30 days after determining roof is unsafe or comply with 40 CFR 63.120(b)(7)(ii)	Y	
40 CFR 63.120(b)(7)(ii)	Storage Vessel Provisions -- Procedures to Determine Compliance-- External FR unsafe to perform seal measurements or inspect the tank – empty and remove vessel from service within 45 days after determining roof is unsafe or comply with 40 CFR 63.120(b)(7)(i). Two 30 day extensions are allowed to empty the tank. Decision to use extension must be documented.	Y	
40 CFR 63.120(b)(8)	Storage Vessel Provisions -- Procedures to Determine Compliance External FR Repairs must be made within 45 days after identification or empty and remove tank from service. Two 30 day extensions are allowed to empty the tank. Decision to use extension must be documented.	Y	
40 CFR 63.120(b)(9)	Storage Vessel Provisions -- Procedures to Determine Compliance External FR seal gap measurement 30 day notification	Y	

IV. Source Specific Applicable Requirements

Table IV – B19
Source-Specific Applicable Requirements
RIVETED MACT EXTERNAL FLOATING ROOF TANK
S-216 (TANK 695A)

40 CFR 63.120(b)(10)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR and seals visual inspection each time emptied	Y	
40 CFR 63.120(b)(10)(i)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR and seal visual inspection each time emptied – Repair defects before refilling [does not apply to gaskets, slotted membranes, or sleeve seals for Group 1 Refinery MACT tanks per 40 CFR 63.646(e)]	Y	
40 CFR 63.120(b)(10)(ii)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR and seal visual inspection each time emptied – 30 day notification	Y	
40 CFR 63.120(b)(10)(iii)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR and seal visual inspection each time emptied –-Notification for unplanned	Y	
40 CFR 63.123(a)	Storage Vessel Provisions -- Recordkeeping--Group 1 and Group 2 storage vessel dimensions and capacity. Keep for life of source.	Y	
40 CFR 63.123(d)	Storage Vessel Provisions -- Recordkeeping--Group 1 External floating roof tank requirements - records of seal gap measurements (date, raw data, and required calculations)	Y	
40 CFR 63.123(g)	Storage Vessel Provisions -- Recordkeeping, Extensions for emptying storage vessel – keep documentation specified	Y	
NESHAPS Title 40 Part 63 Subpart CC	**NESHAPS for Petroleum Refineries (06/12/1996) REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS**		
40 CFR 63.640(c)(2)	Applicability and Designation of Storage Vessels	Y	
40 CFR 63.646(a)	Storage Vessel Provisions--Group 1	Y	
40 CFR 63.646(b)(1)	Storage Vessel Provisions--Determine stored liquid % OHAP for group determination	Y	
40 CFR 63.646(b)(2)	Storage Vessel Provisions--Determine stored liquid % OHAP-method 18 to resolve disputes	Y	
40 CFR 63.646(c)	Storage Vessel Provisions—40 CFR 63 Subpart G exclusions for storage vessels [EFRs exempt from 63.119(c)(2)]	Y	
40 CFR 63.646(d)	Storage Vessel Provisions--References	Y	
40 CFR 63.646(d)(2)	Storage Vessel Provisions--References to April 22,1994	Y	
40 CFR 63.646(d)(3)	Storage Vessel Provisions--References to December 31, 1992	Y	
40 CFR 63.646(d)(4)	Storage Vessel Provisions--References to compliance dates in 40 CFR 63.100 of Subpart F	Y	
40 CFR 63.646(e)	Storage Vessel Provisions—Exceptions for compliance with inspection requirements of 40 CFR 63.120 of Subpart G – Not required to comply with provisions for gaskets, slotted membranes, and sleeve seals.	Y	
40 CFR 63.646(f)	Storage Vessel Provisions--Group 1 floating roof requirements	Y	
40 CFR 63.646(f)(1)	Storage Vessel Provisions—Group 1 floating roof requirements--Covers or lids closed except when in use	Y	
40 CFR 63.646(f)(2)	Storage Vessel Provisions--Group 1 floating roof requirements--Rim space vents requirements	Y	
40 CFR	Storage Vessel Provisions-Group 1 floating roof requirements--	Y	

IV. Source Specific Applicable Requirements

Table IV – B19
Source-Specific Applicable Requirements
RIVETED MACT EXTERNAL FLOATING ROOF TANK
S-216 (TANK 695A)

63.646(f)(3)	Automatic bleeder vents requirements		
40 CFR 63.646(l)	Storage Vessel Provisions--State or local permitting agency notification requirements	Y	
40 CFR 63.654(f)	Reporting and Recordkeeping Requirements--Notice of compliance status report requirements	Y	
40 CFR 63.654(f)(1)	Reporting and Recordkeeping Requirements--Notice of compliance status report requirements	Y	
40 CFR 63.654(f)(1)(i)	Reporting and Recordkeeping Requirements--Notice of compliance status report requirements--Reporting--storage vessels	Y	
40 CFR 63.654(f)(1)(i)(A)	Reporting and Recordkeeping Requirements--Notice of compliance status report requirements--Reporting--storage vessels	Y	
40 CFR 63.654(f)(1)(i)(A)(1)	Reporting and Recordkeeping Requirements--Notice of compliance status report requirements--Reporting--storage vessels	Y	
40 CFR 63.654(g)	Periodic Reporting and Recordkeeping Requirements	Y	
40 CFR 63.654(g)(1)	Periodic Reporting and Recordkeeping Requirements--storage vessels [Information related to gaskets, slotted membranes, and sleeve seals not required for storage vessels that are part of existing source]	Y	
40 CFR 63.654(g)(3)	Periodic Reporting and Recordkeeping Requirements--storage vessels with external floating roofs	Y	
40 CFR 63.654(g)(3)(i)	Periodic Reporting and Recordkeeping Requirements--storage vessels with external floating roofs-document results of each seal gap measurement	Y	
40 CFR 63.654(g)(3)(ii)	Periodic Reporting and Recordkeeping Requirements--storage vessels with external floating roofs – extension documentation	Y	
40 CFR 63.654(g)(3)(iii)	Periodic Reporting and Recordkeeping Requirements--storage vessels with external floating roofs – documentation of failures	Y	
40 CFR 63.654(h)(2)	Reporting and Recordkeeping Requirements--Other reports--Storage vessel notification of inspections.	Y	
40 CFR 63.654(h)(2)(i)	Reporting and Recordkeeping Requirements--Other reports--Storage vessel notification of inspections – refilling Group 1 storage vessel.	Y	
40 CFR 63.654(h)(2)(ii)	Reporting and Recordkeeping Requirements--Other reports--Storage vessel notification of inspections –Group 1 storage vessel seal gap measurements – 30 day notification [can be waived or modified by state or local].	Y	
40 CFR 63.654(h)(6)	Reporting and Recordkeeping Requirements--Other reports--Determination of Applicability	Y	
40 CFR 63.654(h)(6)(ii)	Reporting and Recordkeeping Requirements--Other reports--Determination of Applicability	Y	
40 CFR 63.654(i)(1)	Reporting and Recordkeeping Requirements--Recordkeeping for storage vessels – keep records specified in 40 CFR 63.123 (Subpart G)	Y	
40 CFR 63.654(i)(1)(i)	Reporting and Recordkeeping Requirements--Recordkeeping for storage vessels– keep records specified in 40 CFR 63.123 (Subpart G) except records related to gaskets, slotted membranes, and sleeve seals for vessels in existing sources	Y	
40 CFR 63.654(i)(4)	Reporting and Recordkeeping Requirements—Recordkeeping for storage vessels--Record retention – 5 years	Y	

IV. Source Specific Applicable Requirements

Table IV – B19
Source-Specific Applicable Requirements
RIVETED MACT EXTERNAL FLOATING ROOF TANK
S-216 (TANK 695A)

BAAQMD Condition 20989, Part A	Throughput limits for source S-216	N	

Table IV – B20
Source-Specific Applicable Requirements
MACT EXTERNAL FLOATING ROOF WASTEWATER SLOP OIL TANK W/O ZERO-GAP SEALS
S-134 (TANK 194)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD · Regulation 8, Rule 5	**Organic Compounds, Storage of Organic Liquids (11/27/02) REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS**		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO	Y	
8-5-111.1.1	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO; 3 day prior notification	Y	
8-5-111.1.2	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO; Telephone notification	Y	
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service; Compliance before notification	Y	
8-5-111.3	Limited Exemption, Tank Removal From and Return to Service; Floating roof tanks - continuous and quick filling, emptying and refilling	Y	
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service; Minimization of emissions	Y	
8-5-111.6	Limited Exemption, Tank Removal From and Return to Service; Written notice of completion not required	Y	
8-5-111.7	Limited Exemption, Tank Removal From and Return to Service; Compliance with Section 8-5-328	Y	
8-5-112	Limited Exemption, Tanks in Operation	Y	
8-5-112.1	Limited Exemption, Tanks in Operation; Notice to the APCO	Y	
8-5-112.1.1	Limited Exemption, Tanks in Operation; Notice to the APCO; 3 day prior notification	Y	
8-5-112.1.2	Limited Exemption, Tanks in Operation; Notice to the APCO; Telephone notification	Y	
8-5-112.2	Limited Exemption, Tanks in Operation; Compliance and certification before commencement of work	Y	
8-5-112.3	Limited Exemption, Tanks in Operation; No product movement; minimization of emissions	Y	
8-5-112.4	Limited Exemption, Tanks in Operation; Exemption does not exceed 7 days	Y	

IV. Source Specific Applicable Requirements

Table IV – B20
Source-Specific Applicable Requirements
MACT EXTERNAL FLOATING ROOF WASTEWATER SLOP OIL TANK W/O ZERO-GAP SEALS
S-134 (TANK 194)

8-5-301	Storage Tank Control Requirements (internal floating roof, external floating roof, or approved emission control system)	Y	
8-5-303	Requirements for Pressure Vacuum Valves	Y	
8-5-303.1	Requirements for Pressure Vacuum Valves; Set pressure	Y	
8-5-303.2	Requirements for Pressure Vacuum Valves; Installation, maintenance, operation	Y	
8-5-304	Requirements for External Floating Roofs	Y	
8-5-304.1	Requirements for External Floating Roofs; Tank fitting requirements	Y	
8-5-304.2	Requirements for External Floating Roofs; Primary seal requirements	Y	
8-5-304.3	Requirements for External Floating Roofs; Secondary seal requirements	Y	
8-5-304.4	Requirements for External Floating Roofs; Floating roof requirements	Y	
8-5-320	Tank fitting requirements – Floating roof tanks	Y	
8-5-320.2	Tank fitting requirements – Floating roof tanks, Gasketed covers, seals, lids – Projection below surface except p/v valves and vacuum breaker vents	Y	
8-5-320.3	Tank fitting requirements – Floating roof tanks, Gasketed covers, seals, lids –	Y	
8-5-320.3.1	Tank fitting requirements – Floating roof tanks, Gasketed covers, seals, lids – Gap requirements	Y	
8-5-320.4	Tank Fitting Requirements; Solid sampling or gauging well requirements in floating roof tanks	Y	
8-5-320.4.1	Tank fitting requirements; Floating roof tanks; Solid sampling or gauging wells; Projection below the liquid surface	Y	
8-5-320.4.2	Tank fitting requirements; Floating roof tanks; Solid sampling or gauging wells; Cover, seal, or lid	Y	
8-5-320.4.3	Tank fitting requirements; Floating roof tanks; Solid sampling or gauging wells; Gap between the well and the roof	Y	
8-5-320.6	Tank Fitting Requirements; Emergency roof drain	Y	
8-5-321	Primary seal requirements	Y	
8-5-321.1	Primary seal requirements; No holes, tears, or other openings	Y	
8-5-321.2	Primary seal requirements; The seal shall be metallic shoe or liquid mounted except as provided in 8-5-305.1.3	Y	
8-5-321.3	Primary Seal Requirements; Metallic-shoe-type seal requirements	Y	
8-5-321.3.1	Primary Seal Requirements; Metallic-shoe-type seal requirements--geometry of shoe	Y	
8-5-321.3.2	Primary Seal Requirements; Metallic-shoe-type seal requirements--welded tanks	Y	
8-5-322	Secondary seal requirements	Y	
8-5-322.1	Secondary seal requirements; No holes, tears, or other openings	Y	
8-5-322.2	Secondary seal requirements; Insertion of probes	Y	
8-5-322.3	Secondary seal requirements; Seal gaps (applicable as long as secondary seal is not zero-gap seal as defined in 8-5-322.5)	Y	
8-5-322.5	Secondary seal requirements; Gap for welded tanks with seal installed after September 4, 1985 (becomes applicable when	Y	

IV. Source Specific Applicable Requirements

Table IV – B20
Source-Specific Applicable Requirements
MACT EXTERNAL FLOATING ROOF WASTEWATER SLOP OIL TANK W/O ZERO-GAP SEALS
S-134 (TANK 194)

	secondary seal is considered newly installed and subject to zero-gap seal gap requirements)		
8-5-322.6	Secondary seal requirements; extent of seal	Y	
8-5-328	Tank degassing requirements	Y	
8-5-328.1	Tank degassing requirements; Tanks > 75 cubic meters	Y	
8-5-328.1.2	Tank degassing requirements; Tanks > 75 cubic meters; Concentration of <10,000 ppm as methane after degassing	Y	
8-5-328.2	Tank degassing requirements; Ozone Excess Day Prohibition	Y	
8-5-401	Inspection Requirements for External Floating Roof Tanks	Y	
8-5-401.1	Inspection Requirements for External Floating Roof Tanks; Primary and Secondary Seal Inspections	Y	
8-5-401.2	Inspection Requirements for External Floating Roof Tanks; Tank Fittings Inspections	Y	
8-5-403	Inspection Requirements for Pressure Vacuum Valves	Y	
8-5-404	Certification	Y	
8-5-405	Information required	Y	
8-5-501	Records	Y	
8-5-501.1	Records; Type and amounts of liquid; true vapor pressure; Retain 24 months	Y	
8-5-501.2	Records; Internal and External Floating Roof Tanks; Seal Replacement Records – Retain 10 years	Y	
8-5-503	Portable hydrocarbon detector	Y	
8-5-602	Analysis of Samples, True Vapor Pressure	Y	
8-5-604	Determination of Applicability	Y	
8-5-605	Pressure-Vacuum Valve Gas Tight Determination	Y	
BAAQMD · Regulation 8, Rule 8	**Organic Compounds, Wastewater (Oil-Water Separators) (6/15/1994) REQUIREMENTS FOR SLOP OIL VESSELS**		
8-8-113	Exemption, Secondary Wastewater Treatment Processes and Stormwater Sewer Systems (segregated) are exempt from 8-8-301, 8-8-302, 8-8-306, 8-8-308	Y	
8-8-303	Standards; Gauging and Sampling Devices	Y	
8-8-305	Standards: Oil-Water Separator and/or Air Flotation Unit Slop Oil Vessels	Y	
8-8-305.1	Standards: Oil-Water Separator and/or Air Flotation Unit Slop Oil Vessels – fixed cover requirements	Y	
8-8-503	Monitoring and Records; Inspection and Records	Y	
8-8-504	Monitoring and Records; Portable Hydrocarbon Detector	Y	
8-8-603	Manual of Procedures; Inspection procedures	Y	
NESHAPS Title 40 Part 63 Subpart G	**SOCMI HON G (01/27/1995) REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS**		
40 CFR 63.119(a)	Storage Vessel Provisions -- Reference Control Technology	Y	
40 CFR 63.119(a)(1)	Storage Vessel Provisions -- Reference Control Technology--Group 1, TVP < 76.6 kPa	Y	
40 CFR 63.119(c)	Storage Vessel Provisions -- Reference Control Technology--	Y	

IV. Source Specific Applicable Requirements

Table IV – B20
Source-Specific Applicable Requirements
MACT EXTERNAL FLOATING ROOF WASTEWATER SLOP OIL TANK W/O ZERO-GAP SEALS
S-134 (TANK 194)

	External floating roof		
40 CFR 63.119(c)(1)	Storage Vessel Provisions -- Reference Control Technology-- External floating roof seals	Y	
40 CFR 63.119(c)(1)(i)	Storage Vessel Provisions -- Reference Control Technology-- External floating roof double seals required	Y	
40 CFR 63.119(c)(1)(ii)	Storage Vessel Provisions -- Reference Control Technology-- External floating roof primary seal requirements – metallic shoe or liquid-mounted	Y	
40 CFR 63.119(c)(1)(iii)	Storage Vessel Provisions -- Reference Control Technology-- External floating roof seal requirements	Y	
40 CFR 63.119(c)(3)	Storage Vessel Provisions -- Reference Control Technology-- External floating roof--Must float on liquid	Y	
40 CFR 63.119(c)(3)(i)	Storage Vessel Provisions -- Reference Control Technology-- External floating roof --Must float on liquid except during initial fill	Y	
40 CFR 63.119(c)(3)(ii)	Storage Vessel Provisions -- Reference Control Technology-- External floating roof-- Must float on liquid except after completely emptied and degassed	Y	
40 CFR 63.119(c)(3)(iii)	Storage Vessel Provisions -- Reference Control Technology-- External floating roof -- Must float on liquid except when completely emptied before refilling	Y	
40 CFR 63.119(c)(4)	Storage Vessel Provisions -- Reference Control Technology-- External Floating Roof Operations, when not floating	Y	
40 CFR 63.120(b)	Storage Vessel Provisions -- Procedures to Determine Compliance-- Compliance Demonstration--External floating roof	Y	
40 CFR 63.120(b)(1)	Storage Vessel Provisions -- Procedures to Determine Compliance-- External FR seal gap measurement	Y	
40 CFR 63.120(b)(1)(i)	Storage Vessel Provisions -- Procedures to Determine Compliance-- External FR with double seals - primary seal gap measurement – 5 year intervals	Y	
40 CFR 63.120(b)(1)(iii)	Storage Vessel Provisions -- Procedures to Determine Compliance-- External FR with double seals - secondary seal gap measurement – annual requirement	Y	
40 CFR 63.120(b)(1)(iv)	Storage Vessel Provisions -- Procedures to Determine Compliance-- External FR seal inspections prior to tank refill with organic HAP after not storing organic HAP for 1 year or longer	Y	
40 CFR 63.120(b)(2)	Storage Vessel Provisions -- Procedures to Determine Compliance-- External FR seal gap determination methods	Y	
40 CFR 63.120(b)(2)(i)	Storage Vessel Provisions -- Procedures to Determine Compliance-- External FR seal gap determination methods – roof not resting on legs	Y	
40 CFR 63.120(b)(2)(ii)	Storage Vessel Provisions -- Procedures to Determine Compliance-- External FR seal gap determination methods – measure gaps around entire circumference of seal and measure width and length of gaps	Y	
40 CFR 63.120(b)(2)(iii)	Storage Vessel Provisions -- Procedures to Determine Compliance-- External FR seal gap determination methods – determine total surface area of each gap	Y	
40 CFR	Storage Vessel Provisions -- Procedures to Determine Compliance--	Y	

IV. Source Specific Applicable Requirements

Table IV – B20
Source-Specific Applicable Requirements
MACT EXTERNAL FLOATING ROOF WASTEWATER SLOP OIL TANK W/O ZERO-GAP SEALS
S-134 (TANK 194)

63.120(b)(3)	External FR primary seal gap calculation method – total surface area of primary seal gaps <= 212 cm2 per meter of vessel diameter. Maximum width <= 3.81 cm		
40 CFR 63.120(b)(4)	Storage Vessel Provisions -- Procedures to Determine Compliance-- External FR secondary seal gap calculation method – total surface area of secondary seal gaps <= 21.2 cm2 per meter of vessel diameter. Maximum width <= 1.27 cm	Y	
40 CFR 63.120(b)(5)	Storage Vessel Provisions -- Procedures to Determine Compliance-- External FR primary seal additional requirements	Y	
40 CFR 63.120(b)(5)(i)	Storage Vessel Provisions -- Procedures to Determine Compliance-- External FR primary seal additional requirements – metallic shoe seal – shoe geometry	Y	
40 CFR 63.120(b)(5)(ii)	Storage Vessel Provisions -- Procedures to Determine Compliance-- External FR primary seal additional requirements – no holes, tears, or openings	Y	
40 CFR 63.120(b)(6)	Storage Vessel Provisions -- Procedures to Determine Compliance-- External FR secondary seal requirements	Y	
40 CFR 63.120(b)(6)(i)	Storage Vessel Provisions -- Procedures to Determine Compliance-- External FR secondary seal requirements – location and extent	Y	
40 CFR 63.120(b)(6)(ii)	Storage Vessel Provisions -- Procedures to Determine Compliance-- External FR secondary seal requirements - no holes, tears or openings	Y	
40 CFR 63.120(b)(7)	Storage Vessel Provisions -- Procedures to Determine Compliance-- External FR unsafe to perform seal measurements or inspect the tank	Y	
40 CFR 63.120(b)(7)(i)	Storage Vessel Provisions -- Procedures to Determine Compliance-- External FR unsafe to perform seal measurements or inspect the tank – complete measurements or inspection within 30 days after determining roof is unsafe or comply with 40 CFR 63.120(b)(7)(ii)	Y	
40 CFR 63.120(b)(7)(ii)	Storage Vessel Provisions -- Procedures to Determine Compliance-- External FR unsafe to perform seal measurements or inspect the tank – empty and remove vessel from service within 45 days after determining roof is unsafe or comply with 40 CFR 63.120(b)(7)(i). Two 30 day extensions are allowed to empty the tank. Decision to use extension must be documented.	Y	
40 CFR 63.120(b)(8)	Storage Vessel Provisions -- Procedures to Determine Compliance External FR Repairs must be made within 45 days after identification or empty and remove tank from service. Two 30 day extensions are allowed to empty the tank. Decision to use extension must be documented.	Y	
40 CFR 63.120(b)(9)	Storage Vessel Provisions -- Procedures to Determine Compliance External FR seal gap measurement 30 day notification	Y	
40 CFR 63.120(b)(10)	Storage Vessel Provisions -- Procedures to Determine Compliance-- External FR and seals visual inspection each time emptied	Y	
40 CFR 63.120(b)(10)(i)	Storage Vessel Provisions -- Procedures to Determine Compliance-- External FR and seal visual inspection each time emptied – Repair defects before refilling [does not apply to gaskets, slotted membranes, or sleeve seals for Group 1 Refinery MACT tanks per 40 CFR 63.646(e)]	Y	

IV. Source Specific Applicable Requirements

Table IV – B20
Source-Specific Applicable Requirements
MACT EXTERNAL FLOATING ROOF WASTEWATER SLOP OIL TANK W/O ZERO-GAP SEALS
S-134 (TANK 194)

40 CFR 63.120(b)(10)(ii)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR and seal visual inspection each time emptied – 30 day notification	Y	
40 CFR 63.120(b)(10)(iii)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR and seal visual inspection each time emptied –-Notification for unplanned	Y	
40 CFR 63.123(a)	Storage Vessel Provisions -- Recordkeeping--Group 1 and Group 2 storage vessel dimensions and capacity. Keep for life of source.	Y	
40 CFR 63.123(d)	Storage Vessel Provisions -- Recordkeeping--Group 1 External floating roof tank requirements - records of seal gap measurements (date, raw data, and required calculations)	Y	
40 CFR 63.123(g)	Storage Vessel Provisions -- Recordkeeping, Extensions for emptying storage vessel – keep documentation specified	Y	
NESHAPS Title 40 Part 63 Subpart CC	**NESHAPS for Petroleum Refineries (06/12/1996) REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS**		
40 CFR 63.640(c)(2)	Applicability and Designation of Storage Vessels	Y	
40 CFR 63.646(a)	Storage Vessel Provisions--Group 1	Y	
40 CFR 63.646(b)(1)	Storage Vessel Provisions--Determine stored liquid % OHAP for group determination	Y	
40 CFR 63.646(b)(2)	Storage Vessel Provisions--Determine stored liquid % OHAP-method 18 to resolve disputes	Y	
40 CFR 63.646(c)	Storage Vessel Provisions—40 CFR 63 Subpart G exclusions for storage vessels [EFRs exempt from 63.119(c)(2)]	Y	
40 CFR 63.646(d)	Storage Vessel Provisions--References	Y	
40 CFR 63.646(d)(2)	Storage Vessel Provisions--References to April 22,1994	Y	
40 CFR 63.646(d)(3)	Storage Vessel Provisions--References to December 31, 1992	Y	
40 CFR 63.646(d)(4)	Storage Vessel Provisions--References to compliance dates in 40 CFR 63.100 of Subpart F	Y	
40 CFR 63.646(e)	Storage Vessel Provisions—Exceptions for compliance with inspection requirements of 40 CFR 63.120 of Subpart G – Not required to comply with provisions for gaskets, slotted membranes, and sleeve seals.	Y	
40 CFR 63.646(f)	Storage Vessel Provisions--Group 1 floating roof requirements	Y	
40 CFR 63.646(f)(1)	Storage Vessel Provisions—Group 1 floating roof requirements--Covers or lids closed except when in use	Y	
40 CFR 63.646(f)(2)	Storage Vessel Provisions--Group 1 floating roof requirements--Rim space vents requirements	Y	
40 CFR 63.646(f)(3)	Storage Vessel Provisions-Group 1 floating roof requirements--Automatic bleeder vents requirements	Y	
40 CFR 63.646(l)	Storage Vessel Provisions--State or local permitting agency notification requirements	Y	
40 CFR 63.654(f)	Reporting and Recordkeeping Requirements--Notice of compliance status report requirements	Y	

IV. Source Specific Applicable Requirements

Table IV – B20
Source-Specific Applicable Requirements
MACT External Floating Roof Wastewater Slop Oil Tank w/o Zero-Gap Seals
S-134 (Tank 194)

40 CFR 63.654(f)(1)	Reporting and Recordkeeping Requirements--Notice of compliance status report requirements	Y	
40 CFR 63.654(f)(1)(i)	Reporting and Recordkeeping Requirements--Notice of compliance status report requirements--Reporting--storage vessels	Y	
40 CFR 63.654(f)(1)(i)(A)	Reporting and Recordkeeping Requirements--Notice of compliance status report requirements--Reporting--storage vessels	Y	
40 CFR 63.654(f)(1)(i)(A)(1)	Reporting and Recordkeeping Requirements--Notice of compliance status report requirements--Reporting--storage vessels	Y	
40 CFR 63.654(g)	Periodic Reporting and Recordkeeping Requirements	Y	
40 CFR 63.654(g)(1)	Periodic Reporting and Recordkeeping Requirements--storage vessels [Information related to gaskets, slotted membranes, and sleeve seals not required for storage vessels that are part of existing source]	Y	
40 CFR 63.654(g)(3)	Periodic Reporting and Recordkeeping Requirements--storage vessels with external floating roofs	Y	
40 CFR 63.654(g)(3)(i)	Periodic Reporting and Recordkeeping Requirements--storage vessels with external floating roofs-document results of each seal gap measurement	Y	
40 CFR 63.654(g)(3)(ii)	Periodic Reporting and Recordkeeping Requirements--storage vessels with external floating roofs – extension documentation	Y	
40 CFR 63.654(g)(3)(iii)	Periodic Reporting and Recordkeeping Requirements--storage vessels with external floating roofs – documentation of failures	Y	
40 CFR 63.654(h)(2)	Reporting and Recordkeeping Requirements--Other reports--Storage vessel notification of inspections.	Y	
40 CFR 63.654(h)(2)(i)	Reporting and Recordkeeping Requirements--Other reports--Storage vessel notification of inspections – refilling Group 1 storage vessel.	Y	
40 CFR 63.654(h)(2)(ii)	Reporting and Recordkeeping Requirements--Other reports--Storage vessel notification of inspections –Group 1 storage vessel seal gap measurements – 30 day notification [can be waived or modified by state or local].	Y	
40 CFR 63.654(h)(6)	Reporting and Recordkeeping Requirements--Other reports--Determination of Applicability	Y	
40 CFR 63.654(h)(6)(ii)	Reporting and Recordkeeping Requirements--Other reports--Determination of Applicability	Y	
40 CFR 63.654(i)(1)	Reporting and Recordkeeping Requirements--Recordkeeping for storage vessels – keep records specified in 40 CFR 63.123 (Subpart G)	Y	
40 CFR 63.654(i)(1)(i)	Reporting and Recordkeeping Requirements--Recordkeeping for storage vessels– keep records specified in 40 CFR 63.123 (Subpart G) except records related to gaskets, slotted membranes, and sleeve seals for vessels in existing sources	Y	
40 CFR 63.654(i)(4)	Reporting and Recordkeeping Requirements—Recordkeeping for storage vessels--Record retention – 5 years	Y	
BAAQMD Condition 20989, Part A	Throughput limits for source S-134	N	

IV. Source Specific Applicable Requirements

Table IV – B21
Source-Specific Applicable Requirements
EXEMPT TANKS SUBJECT TO MACT RECORDKEEPING
S-91 (TANK 73), S-94 (TANK 78), S-98 (TANK 101), S-99 (TANK 102), S-103 (TANK 106), S-120 (TANK 165), S-130 (TANK 188), S-131 (TANK 189), S-132 (TANK 191), S-136 (TANK 201), S-137 (TANK 202), S-138 (TANK 203), S-141 (TANK 213), S-142 (TANK 214), S-143 (TANK 215), S-144 (TANK 216), S-145 (TANK 217), S-148 (TANK 231), S-149 (TANK 232), S-157 (TANK 252), S-162 (TANK 262), S-164 (TANK 264), S-165 (TANK 265), S-166 (TANK 266), S-167 (TANK 268), S-168 (TANK 269), S-169 (TANK 270), S-171 (TANK 273), S-172 (TANK 279), S-173 (TANK 280), S-174 (TANK 281), S-179 (TANK 291), S-180 (TANK 292), S-187 (TANK 299), S-191 (TANK 303), S-192 (TANK 304), S-202 (TANK 521), S-204 (TANK 528), S-205 (TANK 529), S-206 (TANK 530), S-207 (TANK 531), S-209 (TANK 674), S-224 (TANK 746), S-225 (TANK 747), S-226 (TANK 748), S-227 (TANK 749), S-228 (TANK 750), S-229 (TANK 751), S-230 (TANK 752), S-231 (TANK 753), S-236 (TANK 770), S-237 (TANK 771), S-240 (TANK 774), S-241 (TANK 775), S-260 (TANK 1009), S-262 (TANK 1011), S-263 (TANK 1012), S-266 (TANK 1345), S-267 (TANK 1346), S-286 (F3), S-287 (F10), S-293 (F805)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD · Regulation 8, Rule 5	**Organic Compounds, Storage of Organic Liquids (11/27/02) EXEMPT**		
8-5-117	Exemption, Low Vapor Pressure	Y	
NESHAPS Title 40 Part 63 Subpart G	**SOCMI HON G (01/27/1995) REQUIREMENTS FOR GROUP 2 RECORDKEEPING ONLY**		
40 CFR 63.119(a)(3)	Storage Vessel Provisions – Reference Control Technology – Group 2 storage vessels comply only with recordkeeping requirements in 40 CFR 63.123(a)	Y	
40 CFR 63.123(a)	Storage Vessel Provisions – Recordkeeping – Group 2 storage vessels only required to keep tank dimensions and capacity analysis. Retain for life of source.	Y	
NESHAPS Title 40 Part 63 Subpart CC	**National Emission Standards for Hazardous Air Pollutants for Petroleum Refining (8/18/95) REQUIREMENTS FOR GROUP 2 RECORDKEEPING ONLY**		
40 CFR 63.640(c)(2)	Applicability and Designation of Storage Vessels	Y	
40 CFR 63.646(b)(1)	Storage Vessel Provisions--Determine stored liquid % OHAP for group determination	Y	
40 CFR 63.646(b)(2)	Storage Vessel Provisions--Determine stored liquid % OHAP-method 18 to resolve disputes	Y	
40 CFR 63.654(h)(6)	Reporting and Recordkeeping Requirements--Other reports--Determination of Applicability	Y	
40 CFR 63.654(h)(6)(ii)	Reporting and Recordkeeping Requirements--Other reports--Determination of Applicability	Y	

IV. Source Specific Applicable Requirements

Table IV – B21
Source-Specific Applicable Requirements
EXEMPT TANKS SUBJECT TO MACT RECORDKEEPING
S-91 (TANK 73), S-94 (TANK 78), S-98 (TANK 101), S-99 (TANK 102), S-103 (TANK 106), S-120 (TANK 165), S-130 (TANK 188), S-131 (TANK 189), S-132 (TANK 191), S-136 (TANK 201), S-137 (TANK 202), S-138 (TANK 203), S-141 (TANK 213), S-142 (TANK 214), S-143 (TANK 215), S-144 (TANK 216), S-145 (TANK 217), S-148 (TANK 231), S-149 (TANK 232), S-157 (TANK 252), S-162 (TANK 262), S-164 (TANK 264), S-165 (TANK 265), S-166 (TANK 266), S-167 (TANK 268), S-168 (TANK 269), S-169 (TANK 270), S-171 (TANK 273), S-172 (TANK 279), S-173 (TANK 280), S-174 (TANK 281), S-179 (TANK 291), S-180 (TANK 292), S-187 (TANK 299), S-191 (TANK 303), S-192 (TANK 304), S-202 (TANK 521), S-204 (TANK 528), S-205 (TANK 529), S-206 (TANK 530), S-207 (TANK 531), S-209 (TANK 674), S-224 (TANK 746), S-225 (TANK 747), S-226 (TANK 748), S-227 (TANK 749), S-228 (TANK 750), S-229 (TANK 751), S-230 (TANK 752), S-231 (TANK 753), S-236 (TANK 770), S-237 (TANK 771), S-240 (TANK 774), S-241 (TANK 775), S-260 (TANK 1009), S-262 (TANK 1011), S-263 (TANK 1012), S-266 (TANK 1345), S-267 (TANK 1346), S-286 (F3), S-287 (F10), S-293 (F805)

40 CFR 63.654(i)(1)	Reporting and Recordkeeping Requirements--Recordkeeping for storage vessels – Keep records specified in 40 CFR 63.123	Y	
40 CFR 63.654(i)(1)(iv)	Reporting and Recordkeeping Requirements--Recordkeeping for storage vessels – Data and assumptions used to determine Group 2 classification	Y	
40 CFR 63.654(i)(4)	Reporting and Recordkeeping Requirements--Recordkeeping--Record retention – 5 years	Y	
BAAQMD Condition 20773			
Part 1	Requirement to verify exempt status of tank based on true vapor pressure of contents [Basis: Regulation 8-5-117, 2-6-409.2]	Y	4/1/04
Part 2	Record retention requirement [Basis: Regulation 2-6-409.2]	Y	4/1/04

Table IV – B22
Source-Specific Applicable Requirements
EXEMPT FIXED ROOF TANKS WITH VAPOR RECOVERY TO FUEL GAS
S-158 (TANK 258), S-175 (TANK 284)

BAAQMD · Regulation 8, Rule 5	**Organic Compounds, Storage of Organic Liquids (11/27/02) EXEMPT**		
8-5-117	Exemption, Low Vapor Pressure	Y	
NESHAPS Title 40 Part 63 Subpart CC	**National Emission Standards for Hazardous Air Pollutants for Petroleum Refining (8/18/95) EXEMPTION FOR TANKS VENTED TO FUEL GAS SYSTEM**		
40 CFR 63.640(c)(2)	Applicability and Designation of Storage Vessels	Y	

IV. Source Specific Applicable Requirements

Table IV – B22
Source-Specific Applicable Requirements
EXEMPT FIXED ROOF TANKS WITH VAPOR RECOVERY TO FUEL GAS
S-158 (TANK 258), S-175 (TANK 284)

40 CFR 63.640(d)(5)	Exemption for emission points routed to fuel gas system	Y	
BAAQMD Condition 20773			
Part 1	Requirement to verify exempt status of tank based on true vapor pressure of contents [Basis: Regulation 8-5-117, 2-6-409.2]	Y	4/1/04
Part 2	Record retention requirement [Basis: Regulation 2-6-409.2]	Y	4/1/04

Table IV – B23A
Source-Specific Applicable Requirements
EXEMPT EXTERNAL FLOATING ROOF TANKS
SUBJECT TO MACT RECORDKEEPING (NOTE 2)
BUT WITH GROUP I MACT FLEXIBILITY
S-108 (TANK 153), S-109 (TANK 154), S-127 (TANK 173)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD · Regulation 8, Rule 5	**Organic Compounds, Storage of Organic Liquids (11/27/02) EXEMPT**		
8-5-117	Exemption, Low Vapor Pressure	Y	
NESHAPS Title 40 Part 63 Subpart G	**SOCMI HON G (01/27/1995) REQUIREMENTS FOR GROUP 2 RECORDKEEPING ONLY**		
40 CFR 63.119(a)(3)	Storage Vessel Provisions – Reference Control Technology – Group 2 storage vessels comply only with recordkeeping requirements in 40 CFR 63.123(a)	Y	
40 CFR 63.123(a)	Storage Vessel Provisions – Recordkeeping – Group 2 storage vessels only required to keep tank dimensions and capacity analysis. Retain for life of source.	Y	
NESHAPS Title 40 Part 63 Subpart CC	**National Emission Standards for Hazardous Air Pollutants for Petroleum Refining (8/18/95) REQUIREMENTS FOR GROUP 2 RECORDKEEPING ONLY**		
40 CFR 63.640(c)(2)	Applicability and Designation of Storage Vessels	Y	
40 CFR 63.646(b)(1)	Storage Vessel Provisions--Determine stored liquid % OHAP for group determination	Y	
40 CFR 63.646(b)(2)	Storage Vessel Provisions--Determine stored liquid % OHAP-method 18 to resolve disputes	Y	
40 CFR	Reporting and Recordkeeping Requirements--Other reports--	Y	

IV. Source Specific Applicable Requirements

Table IV – B23A
Source-Specific Applicable Requirements
EXEMPT EXTERNAL FLOATING ROOF TANKS
SUBJECT TO MACT RECORDKEEPING (NOTE 2)
BUT WITH GROUP I MACT FLEXIBILITY
S-108 (TANK 153), S-109 (TANK 154), S-127 (TANK 173)

63.654(h)(6)	Determination of Applicability		
40 CFR 63.654(h)(6)(ii)	Reporting and Recordkeeping Requirements--Other reports--Determination of Applicability	Y	
40 CFR 63.654(i)(1)	Reporting and Recordkeeping Requirements--Recordkeeping for storage vessels – Keep records specified in 40 CFR 63.123	Y	
40 CFR 63.654(i)(1)(iv)	Reporting and Recordkeeping Requirements--Recordkeeping for storage vessels – Data and assumptions used to determine Group 2 classification	Y	
40 CFR 63.654(i)(4)	Reporting and Recordkeeping Requirements--Recordkeeping--Record retention – 5 years	Y	
BAAQMD Condition 20773			
Part 1	Requirement to verify exempt status of tank based on true vapor pressure of contents [Basis: Regulation 8-5-117, 2-6-409.2]	Y	4/1/04
Part 2	Record retention requirement [Basis: Regulation 2-6-409.2]	Y	4/1/04

2. Sources S-108, S-109, and S-127 currently contain low vapor pressure liquids, are exempt from BAAQMD permitting requirements, and fall under the MACT Group II requirements for recordkeeping. However, these tanks may be operated as MACT Group I tanks in the future. Table B23A shows the appropriate applicability for these tanks as MACT Group II tanks. Table B23B shows the appropriate applicability for these tanks as MACT Group I tanks including the BAAQMD Regulation 8 Rule 5 requirements for zero-gap secondary seals.

IV. Source Specific Applicable Requirements

Table IV – B23B
Source-Specific Applicable Requirements
EXEMPT EXTERNAL FLOATING ROOF TANKS
SUBJECT TO MACT RECORDKEEPING (NOTE 2)
BUT WITH GROUP I MACT FLEXIBILITY
S-108 (TANK 153), S-109 (TANK 154), S-127 (TANK 173)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8 Rule 5	**Organic Compounds, Storage of Organic Liquids (11/27/02) REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS**		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service, Notification	Y	
8-5-111.1.1	Limited Exemption, Tank Removal From and Return to Service, Notification, 3 day prior notification	Y	
8-5-111.1.2	Limited Exemption, Tank Removal From and Return to Service, Notification, Telephone notification	Y	
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service, Tank in compliance prior to notification	Y	
8-5-111.3	Limited Exemption, Tank Removal From and Return to Service, Floating roof tanks	Y	
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service, Minimize emissions	Y	
8-5-111.6	Limited Exemption, Tank Removal From and Return to Service, Notice of completion not required	Y	
8-5-111.7	Limited Exemption, Tank Removal From and Return to Service, Satisfy requirements of 8-5-328	Y	
8-5-112	Limited Exemption, Tanks in Operation	Y	
8-5-112.1	Limited Exemption, Tanks in Operation, Notification	Y	
8-5-112.1.1	Limited Exemption, Tanks in Operation, Notification, 3 day prior notification	Y	
8-5-112.1.2	Limited Exemption, Tanks in Operation, Notification, Telephone notification	Y	
8-5-112.2	Limited Exemption, Tanks in Operation, Tank in compliance prior to start of work. Certified per 8-5-404	Y	
8-5-112.3	Limited Exemption, Tanks in Operation, No product movement, Minimize emissions	Y	
8-5-112.4	Limited Exemption, Tanks in Operation, Not to exceed 7 days	Y	
8-5-301	Storage Tank Control Requirements (internal floating roof, external floating roof, or approved emission control system)	Y	
8-5-304	Requirements for External Floating Roofs	Y	
8-5-304.1	Requirements for External Floating Roofs; Tank fitting requirements	Y	
8-5-304.2	Requirements for External Floating Roofs; Primary seal requirements	Y	
8-5-304.3	Requirements for External Floating Roofs; Secondary seal requirements	Y	
8-5-304.4	Requirements for External Floating Roofs; Floating roof requirements	Y	
8-5-320.2	Tank Fitting Requirements; Floating roof tanks, Projection below liquid surface	Y	

IV. Source Specific Applicable Requirements

Table IV – B23B
Source-Specific Applicable Requirements
EXEMPT EXTERNAL FLOATING ROOF TANKS
SUBJECT TO MACT RECORDKEEPING (NOTE 2)
BUT WITH GROUP I MACT FLEXIBILITY
S-108 (TANK 153), S-109 (TANK 154), S-127 (TANK 173)

8-5-320.3	Tank Fitting Requirements; Floating roof tanks, Gasketed covers, seals, lids	Y	
8-5-320.3.1	Tank Fitting Requirements; Floating roof tanks, Gasketed covers, seals, lids - Gap requirements	Y	
8-5-320.4	Tank Fitting Requirements; Solid sampling or gauging well requirements in floating roof tanks	Y	
8-5-320.4.1	Tank Fitting Requirements; Solid sampling or gauging well requirements--projection below liquid surface	Y	
8-5-320.4.2	Tank Fitting Requirements; Solid sampling or gauging well requirements--cover, seal, or lid	Y	
8-5-320.4.3	Tank Fitting Requirements; Solid sampling or gauging well requirements--gap between well and roof	Y	
8-5-320.6	Tank Fitting Requirements; Emergency roof drain	Y	
8-5-321	Primary Seal Requirements	Y	
8-5-321.1	Primary Seal Requirements; No holes, tears, other openings	Y	
8-5-321.2	Primary seal requirements; The seal shall be metallic shoe or liquid mounted except as provided in 8-5-305.1.3	Y	
8-5-321.3	Primary Seal Requirements; Metallic-shoe-type seal requirements	Y	
8-5-321.3.1	Primary Seal Requirements; Metallic-shoe-type seal requirements--geometry of shoe	Y	
8-5-321.3.2	Primary Seal Requirements; Metallic-shoe-type seal requirements--welded tanks	Y	
8-5-322	Secondary Seal Requirements	Y	
8-5-322.1	Secondary Seal Requirements; No holes, tears, other openings	Y	
8-5-322.2	Secondary Seal Requirements; Insertion of probes	Y	
8-5-322.5	Secondary Seal Requirements; Welded external floating roof tanks with seals installed after 9/4/1985 or welded internal floating roof tanks with seals installed after 2/1/1993	Y	
8-5-322.6	Secondary Seal Requirements; Extent of seal	Y	
8-5-328	Tank Degassing Requirements	Y	
8-5-328.1	Tank Degassing Requirements; Tanks > 75 cubic meters	Y	
8-5-328.1.2	Tank Degassing Requirements; Tanks > 75 cubic meters, Approved Emission Control System	Y	
8-5-328.2	Tank Degassing Requirements; Ozone Excess Day Prohibition	Y	
8-5-401	Inspection Requirements for External Floating Roof Tanks	Y	
8-5-401.1	Inspection Requirements for External Floating Roof Tanks; Primary and Secondary Seal Inspections	Y	
8-5-401.2	Inspection Requirements for External Floating Roof Tanks; Tank Fittings Inspections	Y	
8-5-404	Certification	Y	
8-5-405	Information Required	Y	
8-5-501	Records	Y	
8-5-501.1	Records; Type and amounts of liquid, type of blanket gas, TVP - Retain 24 months	Y	
8-5-501.2	Records; Internal and External Floating Roof Tanks, Seal Replacement Records - Retain 10 years	Y	

IV. Source Specific Applicable Requirements

Table IV – B23B
Source-Specific Applicable Requirements
EXEMPT EXTERNAL FLOATING ROOF TANKS
SUBJECT TO MACT RECORDKEEPING (NOTE 2)
BUT WITH GROUP I MACT FLEXIBILITY
S-108 (TANK 153), S-109 (TANK 154), S-127 (TANK 173)

8-5-503	Portable Hydrocarbon Detector	Y	
8-5-602	Analysis of Samples, True Vapor Pressure	Y	
8-5-604	Determination of Applicability	Y	
NESHAPS Title 40 Part 63 Subpart G	**SOCMI HON G (01/27/1995) REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS**		
40 CFR 63.119(a)	Storage Vessel Provisions -- Reference Control Technology	Y	
40 CFR 63.119(a)(1)	Storage Vessel Provisions -- Reference Control Technology--Group 1, TVP < 76.6 kPa	Y	
40 CFR 63.119(c)	Storage Vessel Provisions -- Reference Control Technology--External floating roof	Y	
40 CFR 63.119(c)(1)	Storage Vessel Provisions -- Reference Control Technology--External floating roof seals	Y	
40 CFR 63.119(c)(1)(i)	Storage Vessel Provisions -- Reference Control Technology--External floating roof double seals required	Y	
40 CFR 63.119(c)(1)(ii)	Storage Vessel Provisions -- Reference Control Technology--External floating roof primary seal requirements – metallic shoe or liquid-mounted	Y	
40 CFR 63.119(c)(1)(iii)	Storage Vessel Provisions -- Reference Control Technology--External floating roof seal requirements	Y	
40 CFR 63.119(c)(3)	Storage Vessel Provisions -- Reference Control Technology--External floating roof--Must float on liquid	Y	
40 CFR 63.119(c)(3)(i)	Storage Vessel Provisions -- Reference Control Technology--External floating roof --Must float on liquid except during initial fill	Y	
40 CFR 63.119(c)(3)(ii)	Storage Vessel Provisions -- Reference Control Technology--External floating roof-- Must float on liquid except after completely emptied and degassed	Y	
40 CFR 63.119(c)(3)(iii)	Storage Vessel Provisions -- Reference Control Technology--External floating roof -- Must float on liquid except when completely emptied before refilling	Y	
40 CFR 63.119(c)(4)	Storage Vessel Provisions -- Reference Control Technology--External Floating Roof Operations, when not floating	Y	
40 CFR 63.120(b)	Storage Vessel Provisions -- Procedures to Determine Compliance--Compliance Demonstration--External floating roof	Y	
40 CFR 63.120(b)(1)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR seal gap measurement	Y	
40 CFR 63.120(b)(1)(i)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR with double seals - primary seal gap measurement – 5 year intervals	Y	
40 CFR 63.120(b)(1)(iii)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR with double seals - secondary seal gap measurement – annual requirement	Y	
40 CFR 63.120(b)(1)(iv)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR seal inspections prior to tank refill with organic HAP after not storing organic HAP for 1 year or longer	Y	

IV. Source Specific Applicable Requirements

Table IV – B23B
Source-Specific Applicable Requirements
EXEMPT EXTERNAL FLOATING ROOF TANKS
SUBJECT TO MACT RECORDKEEPING (NOTE 2)
BUT WITH GROUP I MACT FLEXIBILITY
S-108 (TANK 153), S-109 (TANK 154), S-127 (TANK 173)

40 CFR 63.120(b)(2)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR seal gap determination methods	Y	
40 CFR 63.120(b)(2)(i)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR seal gap determination methods – roof not resting on legs	Y	
40 CFR 63.120(b)(2)(ii)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR seal gap determination methods – measure gaps around entire circumference of seal and measure width and length of gaps	Y	
40 CFR 63.120(b)(2)(iii)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR seal gap determination methods – determine total surface area of each gap	Y	
40 CFR 63.120(b)(3)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR primary seal gap calculation method – total surface area of primary seal gaps <= 212 cm2 per meter of vessel diameter. Maximum width <= 3.81 cm	Y	
40 CFR 63.120(b)(4)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR secondary seal gap calculation method – total surface area of secondary seal gaps <= 21.2 cm2 per meter of vessel diameter. Maximum width <= 1.27 cm	Y	
40 CFR 63.120(b)(5)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR primary seal additional requirements	Y	
40 CFR 63.120(b)(5)(i)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR primary seal additional requirements – metallic shoe seal – shoe geometry	Y	
40 CFR 63.120(b)(5)(ii)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR primary seal additional requirements – no holes, tears, or openings	Y	
40 CFR 63.120(b)(6)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR secondary seal requirements	Y	
40 CFR 63.120(b)(6)(i)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR secondary seal requirements – location and extent	Y	
40 CFR 63.120(b)(6)(ii)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR secondary seal requirements - no holes, tears or openings	Y	
40 CFR 63.120(b)(7)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR unsafe to perform seal measurements or inspect the tank	Y	
40 CFR 63.120(b)(7)(i)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR unsafe to perform seal measurements or inspect the tank – complete measurements or inspection within 30 days after determining roof is unsafe or comply with 40 CFR 63.120(b)(7)(ii)	Y	
40 CFR 63.120(b)(7)(ii)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR unsafe to perform seal measurements or inspect the tank – empty and remove vessel from service within 45 days after determining roof is unsafe or comply with 40 CFR 63.120(b)(7)(i).	Y	

IV. Source Specific Applicable Requirements

Table IV – B23B
Source-Specific Applicable Requirements
EXEMPT EXTERNAL FLOATING ROOF TANKS
SUBJECT TO MACT RECORDKEEPING (NOTE 2)
BUT WITH GROUP I MACT FLEXIBILITY
S-108 (TANK 153), S-109 (TANK 154), S-127 (TANK 173)

	Two 30 day extensions are allowed to empty the tank. Decision to use extension must be documented.		
40 CFR 63.120(b)(8)	Storage Vessel Provisions -- Procedures to Determine Compliance External FR Repairs must be made within 45 days after identification or empty and remove tank from service. Two 30 day extensions are allowed to empty the tank. Decision to use extension must be documented.	Y	
40 CFR 63.120(b)(9)	Storage Vessel Provisions -- Procedures to Determine Compliance External FR seal gap measurement 30 day notification	Y	
40 CFR 63.120(b)(10)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR and seals visual inspection each time emptied	Y	
40 CFR 63.120(b)(10)(i)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR and seal visual inspection each time emptied – Repair defects before refilling [does not apply to gaskets, slotted membranes, or sleeve seals for Group 1 Refinery MACT tanks per 40 CFR 63.646(e)]	Y	
40 CFR 63.120(b)(10)(ii)	Storage Vessel Provisions -- Procedures to Determine Compliance-- External FR and seal visual inspection each time emptied – 30 day notification	Y	
40 CFR 63.120(b)(10)(iii)	Storage Vessel Provisions -- Procedures to Determine Compliance-- External FR and seal visual inspection each time emptied –- Notification for unplanned	Y	
40 CFR 63.123(a)	Storage Vessel Provisions -- Recordkeeping--Group 1 and Group 2 storage vessel dimensions and capacity. Keep for life of source.	Y	
40 CFR 63.123(d)	Storage Vessel Provisions -- Recordkeeping--Group 1 External floating roof tank requirements - records of seal gap measurements (date, raw data, and required calculations)	Y	
40 CFR 63.123(g)	Storage Vessel Provisions -- Recordkeeping, Extensions for emptying storage vessel – keep documentation specified	Y	
NESHAPS Title 40 Part 63 Subpart CC	**NESHAPS for Petroleum Refineries (06/12/1996) REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS**		
40 CFR 63.640(c)(2)	Applicability and Designation of Storage Vessels	Y	
40 CFR 63.646(a)	Storage Vessel Provisions--Group 1	Y	
40 CFR 63.646(b)(1)	Storage Vessel Provisions--Determine stored liquid % OHAP for group determination	Y	
40 CFR 63.646(b)(2)	Storage Vessel Provisions--Determine stored liquid % OHAP-method 18 to resolve disputes	Y	
40 CFR 63.646(c)	Storage Vessel Provisions—40 CFR 63 Subpart G exclusions for storage vessels [EFRs exempt from 63.119(c)(2)]	Y	
40 CFR 63.646(d)	Storage Vessel Provisions--References	Y	
40 CFR 63.646(d)(2)	Storage Vessel Provisions--References to April 22,1994	Y	
40 CFR 63.646(d)(3)	Storage Vessel Provisions--References to December 31, 1992	Y	

IV. Source Specific Applicable Requirements

Table IV – B23B
Source-Specific Applicable Requirements
EXEMPT EXTERNAL FLOATING ROOF TANKS
SUBJECT TO MACT RECORDKEEPING (NOTE 2)
BUT WITH GROUP I MACT FLEXIBILITY
S-108 (TANK 153), S-109 (TANK 154), S-127 (TANK 173)

40 CFR 63.646(d)(4)	Storage Vessel Provisions--References to compliance dates in 40 CFR 63.100 of Subpart F	Y	
40 CFR 63.646(e)	Storage Vessel Provisions—Exceptions for compliance with inspection requirements of 40 CFR 63.120 of Subpart G – Not required to comply with provisions for gaskets, slotted membranes, and sleeve seals.	Y	
40 CFR 63.646(f)	Storage Vessel Provisions--Group 1 floating roof requirements	Y	
40 CFR 63.646(f)(1)	Storage Vessel Provisions—Group 1 floating roof requirements--Covers or lids closed except when in use	Y	
40 CFR 63.646(f)(2)	Storage Vessel Provisions--Group 1 floating roof requirements--Rim space vents requirements	Y	
40 CFR 63.646(f)(3)	Storage Vessel Provisions-Group 1 floating roof requirements--Automatic bleeder vents requirements	Y	
40 CFR 63.646(l)	Storage Vessel Provisions--State or local permitting agency notification requirements	Y	
40 CFR 63.654(f)	Reporting and Recordkeeping Requirements--Notice of compliance status report requirements	Y	
40 CFR 63.654(f)(1)	Reporting and Recordkeeping Requirements--Notice of compliance status report requirements	Y	
40 CFR 63.654(f)(1)(i)	Reporting and Recordkeeping Requirements--Notice of compliance status report requirements--Reporting--storage vessels	Y	
40 CFR 63.654(f)(1)(i)(A)	Reporting and Recordkeeping Requirements--Notice of compliance status report requirements--Reporting--storage vessels	Y	
40 CFR 63.654(f)(1)(i)(A)(1)	Reporting and Recordkeeping Requirements--Notice of compliance status report requirements--Reporting--storage vessels	Y	
40 CFR 63.654(g)	Periodic Reporting and Recordkeeping Requirements	Y	
40 CFR 63.654(g)(1)	Periodic Reporting and Recordkeeping Requirements--storage vessels [Information related to gaskets, slotted membranes, and sleeve seals not required for storage vessels that are part of existing source]	Y	
40 CFR 63.654(g)(3)	Periodic Reporting and Recordkeeping Requirements--storage vessels with external floating roofs	Y	
40 CFR 63.654(g)(3)(i)	Periodic Reporting and Recordkeeping Requirements--storage vessels with external floating roofs-document results of each seal gap measurement	Y	
40 CFR 63.654(g)(3)(ii)	Periodic Reporting and Recordkeeping Requirements--storage vessels with external floating roofs – extension documentation	Y	
40 CFR 63.654(g)(3)(iii)	Periodic Reporting and Recordkeeping Requirements--storage vessels with external floating roofs – documentation of failures	Y	
40 CFR 63.654(h)(2)	Reporting and Recordkeeping Requirements--Other reports--Storage vessel notification of inspections.	Y	
40 CFR 63.654(h)(2)(i)	Reporting and Recordkeeping Requirements--Other reports--Storage vessel notification of inspections – refilling Group 1 storage vessel.	Y	
40 CFR	Reporting and Recordkeeping Requirements--Other reports--	Y	

IV. Source Specific Applicable Requirements

Table IV – B23B
Source-Specific Applicable Requirements
EXEMPT EXTERNAL FLOATING ROOF TANKS
SUBJECT TO MACT RECORDKEEPING (NOTE 2)
BUT WITH GROUP I MACT FLEXIBILITY
S-108 (TANK 153), S-109 (TANK 154), S-127 (TANK 173)

63.654(h)(2)(ii)	Storage vessel notification of inspections –Group 1 storage vessel seal gap measurements – 30 day notification [can be waived or modified by state or local].		
40 CFR 63.654(h)(6)	Reporting and Recordkeeping Requirements--Other reports--Determination of Applicability	Y	
40 CFR 63.654(h)(6)(ii)	Reporting and Recordkeeping Requirements--Other reports--Determination of Applicability	Y	
40 CFR 63.654(i)(1)	Reporting and Recordkeeping Requirements--Recordkeeping for storage vessels – keep records specified in 40 CFR 63.123 (Subpart G)	Y	
40 CFR 63.654(i)(1)(i)	Reporting and Recordkeeping Requirements--Recordkeeping for storage vessels– keep records specified in 40 CFR 63.123 (Subpart G) except records related to gaskets, slotted membranes, and sleeve seals for vessels in existing sources	Y	
40 CFR 63.654(i)(4)	Reporting and Recordkeeping Requirements—Recordkeeping for storage vessels--Record retention – 5 years	Y	

2. Sources S-108, S-109, and S-127 currently contain low vapor pressure liquids, are exempt from BAAQMD permitting requirements, and fall under the MACT Group II requirements for recordkeeping. However, these tanks may be operated as MACT Group I tanks in the future. Table B23A shows the appropriate applicability for these tanks as MACT Group II tanks. Table B23B shows the appropriate applicability for these tanks as MACT Group I tanks including the BAAQMD Regulation 8 Rule 5 requirements for zero-gap secondary seals.

Table IV – B24
Source-Specific Applicable Requirements
NSPS K EXEMPT TANKS SUBJECT TO MACT RECORDKEEPING
S-90 (TANK 67), S-105 (TANK 129)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD · Regulation 8, Rule 5	**Organic Compounds, Storage of Organic Liquids (11/27/02) EXEMPT**		
8-5-117	Exemption, Low Vapor Pressure	Y	
NESHAPS Title 40 Part 63 Subpart G	**SOCMI HON G (01/27/1995) REQUIREMENTS FOR GROUP 2 RECORDKEEPING ONLY**		
40 CFR 63.119(a)(3)	Storage Vessel Provisions – Reference Control Technology – Group 2 storage vessels comply only with recordkeeping requirements in 40 CFR 63.123(a)	Y	
40 CFR 63.123(a)	Storage Vessel Provisions – Recordkeeping – Group 2 storage vessels only required to keep tank dimensions and capacity analysis. Retain	Y	

IV. Source Specific Applicable Requirements

Table IV – B24
Source-Specific Applicable Requirements
NSPS K EXEMPT TANKS SUBJECT TO MACT RECORDKEEPING
S-90 (TANK 67), S-105 (TANK 129)

	for life of source.		
NESHAPS Title 40 Part 63 Subpart CC	**National Emission Standards for Hazardous Air Pollutants for Petroleum Refining (8/18/95)** **REQUIREMENTS FOR GROUP 2 RECORDKEEPING ONLY**		
40 CFR 63.640(c)(2)	Applicability and Designation of Storage Vessels	Y	
40 CFR 63.640(n)	Applicability and Designation of Affected Source Overlap for Storage Vessels	Y	
40 CFR 63.640(n)(7)	Applicability and Designation of Affected Source Overlap for Storage Vessels—Group 2 storage vessel subject to NSPS K or Ka but exempt from control requirements of NSPS K or Ka is required to comply only with 40 CFR 63 Subpart CC	Y	
40 CFR 63.646(b)(1)	Storage Vessel Provisions--Determine stored liquid % OHAP for group determination	Y	
40 CFR 63.646(b)(2)	Storage Vessel Provisions--Determine stored liquid % OHAP-method 18 to resolve disputes	Y	
40 CFR 63.654(h)(6)	Reporting and Recordkeeping Requirements--Other reports--Determination of Applicability	Y	
40 CFR 63.654(h)(6)(ii)	Reporting and Recordkeeping Requirements--Other reports--Determination of Applicability	Y	
40 CFR 63.654(i)(1)	Reporting and Recordkeeping Requirements--Recordkeeping for storage vessels – Keep records specified in 40 CFR 63.123	Y	
40 CFR 63.654(i)(1)(iv)	Reporting and Recordkeeping Requirements--Recordkeeping for storage vessels – Data and assumptions used to determine Group 2 classification	Y	
40 CFR 63.654(i)(4)	Reporting and Recordkeeping Requirements--Recordkeeping--Record retention – 5 years	Y	
NSPS Title 40 Part 60 Subpart K	**NSPS Subpart K for Tanks (4/4/1980)**		
40 CFR 60.110(a)	Applicability and Designation of Affected Facility; Affected facility	Y	
40 CFR 60.110(c)(2)	Applicability and Designation of Affected Facility-->65,000 gal after 6/11/1973 and before 5/19/1978.	Y	
BAAQMD Condition 20773			
Part 1	Requirement to verify exempt status of tank based on true vapor pressure of contents [Basis: Regulation 8-5-117, 2-6-409.2]	Y	4/1/04
Part 2	Record retention requirement [Basis: Regulation 2-6-409.2]	Y	4/1/04

IV. Source Specific Applicable Requirements

Table IV – B25
Source-Specific Applicable Requirements
EXEMPT BUTANE SPHERES
S-188 (TANK 300), S-189 (TANK 301), S-190 (TANK 302), S-253 (TANK 833)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD · Regulation 8, Rule 5	**Organic Compounds, Storage of Organic Liquids (11/27/02) REQUIREMENTS FOR PRESSURE TANKS**		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO	Y	
8-5-111.1.1	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO; 3 day prior notification	Y	
8-5-111.1.2	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO; Telephone notification	Y	
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service; Compliance before notification	Y	
8-5-111.4	Limited Exemption, Tank Removal From and Return to Service; Use of vapor recovery	Y	
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service; Minimization of emissions	Y	
8-5-111.6	Limited Exemption, Tank Removal From and Return to Service; Written notice of completion not required	Y	
8-5-111.7	Limited Exemption, Tank Removal From and Return to Service; Compliance with Section 8-5-328	Y	
8-5-112	Limited Exemption, Tanks in Operation	Y	
8-5-112.1	Limited Exemption, Tanks in Operation; Notice to the APCO	Y	
8-5-112.1.1	Limited Exemption, Tanks in Operation; Notice to the APCO; 3 day prior notification	Y	
8-5-112.1.2	Limited Exemption, Tanks in Operation; Notice to the APCO; Telephone notification	Y	
8-5-112.2	Limited Exemption, Tanks in Operation; Compliance and certification before commencement of work	Y	
8-5-112.3	Limited Exemption, Tanks in Operation; No product movement; minimization of emissions	Y	
8-5-112.4	Limited Exemption, Tanks in Operation; Exemption does not exceed 7 days	Y	
8-5-301	Storage Tank Control Requirements (internal floating roof, external floating roof, or approved emission control system)	Y	
8-5-303	Requirements for Pressure Vacuum Valves	Y	
8-5-303.1	Requirements for Pressure Vacuum Valves; Set pressure	Y	
8-5-303.2	Requirements for Pressure Vacuum Valves; Installation, maintenance, operation	Y	
8-5-307	Requirements for Pressure Tanks and Blanketed Tanks	Y	
8-5-328	Tank Degassing Requirements	Y	
8-5-328.1	Tank Degassing Requirements; Tanks > 75 cubic meters	Y	

IV. Source Specific Applicable Requirements

Table IV – B25
Source-Specific Applicable Requirements
EXEMPT BUTANE SPHERES
S-188 (TANK 300), S-189 (TANK 301), S-190 (TANK 302), S-253 (TANK 833)

8-5-328.1.2	Tank Degassing Requirements; Tanks > 75 cubic meters; Concentration of <10,000 ppm as methane after degassing	Y	
8-5-328.2	Tank degassing requirements; Ozone excess day prohibition	Y	
8-5-403	Inspection Requirements for Pressure Vacuum Valves	Y	
8-5-404	Certification	Y	
8-5-501	Records	Y	
8-5-501.1	Records; Type and amounts of liquid; blanket gas; true vapor pressure; Retain 24 months	Y	
8-5-503	Portable hydrocarbon detector	Y	
8-5-602	Analysis of Samples, True Vapor Pressure	Y	
8-5-604	Determination of Applicability	Y	
8-5-605	Pressure Vacuum Valve Gas Tight Determination	Y	
NESHAPS Title 40 Part 63 Subpart CC	**National Emission Standards for Hazardous Air Pollutants for Petroleum Refining (8/18/95) EXEMPTION FOR TANKS VENTED TO FUEL GAS SYSTEM**		
40 CFR 63.640(c)(2)	Applicability and Designation of Storage Vessels	Y	
40 CFR 63.640(d)(5)	Exemption for emission points routed to fuel gas system	Y	
NSPS Title 40 Part 60 Subpart Kb	**NSPS Subpart Kb for Tanks (12/14/2000) EXEMPTION FOR PRESSURE TANKS (applies to S-188 only)**		
40 CFR 60.110b(d)(2)	Exemption for pressure vessels designed to operate in excess of 204.9 kPa and without emissions to the atmosphere.	Y	

Table IV – B26
Source-Specific Applicable Requirements
NSPS KB EXEMPT FIXED ROOF TANKS VENTED TO FUEL GAS
S-135 (TANK 200)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD · Regulation 8, Rule 5	**Organic Compounds, Storage of Organic Liquids (11/27/02) EXEMPT**		
8-5-117	Exemption, Low Vapor Pressure	Y	
NESHAPS Title 40 Part 63 Subpart CC	**National Emission Standards for Hazardous Air Pollutants for Petroleum Refining (8/18/95) REQUIREMENTS FOR TANKS VENTED TO FUEL GAS SYSTEM**		
40 CFR 63.640(c)(2)	Applicability and Designation of Storage Vessels	Y	

IV. Source Specific Applicable Requirements

Table IV – B26
Source-Specific Applicable Requirements
NSPS KB EXEMPT FIXED ROOF TANKS VENTED TO FUEL GAS
S-135 (TANK 200)

40 CFR 63.640(d)(5)	Exemption for emission points routed to fuel gas system	Y	
NSPS Title 40 Part 60 Subpart Kb	**NSPS Subpart Kb for Tanks (12/14/2000) REQUIREMENTS FOR RECORDKEEPING ONLY**		
40 CFR 60.110b(a)	Applicability and Designation of Affected Facility; Volatile organic liquid storage vessels > or = to 40 cu m, after 7/23/1984	Y	
40 CFR 60.110b(c)	Applicability and Designation of Affected Facility; Exemptions for storage vessels > or = to 75 cu m	Y	
40 CFR 60.116b(a)	Monitoring of Operations; Record retention	Y	
40 CFR 60.116b(b)	Monitoring of Operations; Permanent record requirements	Y	
40 CFR 60.116b(e)	Monitoring of Operations; Determine TVP	Y	
40 CFR 60.116b(e)(2)	Monitoring of Operations; Determine TVP-crude oil and refined petroleum	Y	
40 CFR 60.116b(g)	Monitoring of Operations; Exemption from 40 CFR 60.116b(c) and 40 CFR 60.116b(d) for tanks with closed vent system and control device	Y	
BAAQMD Condition 20773			
Part 1	Requirement to verify exempt status of tank based on true vapor pressure of contents [Basis: Regulation 8-5-117, 2-6-409.2]	Y	4/1/04
Part 2	Record retention requirement [Basis: Regulation 2-6-409.2]	Y	4/1/04

Table IV – B27
Source-Specific Applicable Requirements
NSPS KB EXEMPT FIXED ROOF WASTEWATER TANKS VENTED TO FUEL GAS
TANK 235, TANK 236

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD · Regulation 8, Rule 5	**Organic Compounds, Storage of Organic Liquids (11/27/02) EXEMPT**		
8-5-117	Exemption, Low Vapor Pressure	Y	
NESHAPS Title 40 Part 63 Subpart CC	**National Emission Standards for Hazardous Air Pollutants for Petroleum Refining (8/18/95) REQUIREMENTS FOR EMISSION POINTS ROUTED TO FUEL GAS**		
40 CFR 63.640(c)(3)	Wastewater streams and treatment operations associated with petroleum refining process units meeting the criteria of section 63.640(a)	Y	
40 CFR 63.640(d)(5)	Exemption for emission points routed to fuel gas system	Y	

IV. Source Specific Applicable Requirements

Table IV – B27
Source-Specific Applicable Requirements
NSPS KB EXEMPT FIXED ROOF WASTEWATER TANKS VENTED TO FUEL GAS
TANK 235, TANK 236

NSPS Title 40 Part 60 Subpart QQQ	**NSPS Subpart QQQ VOC Emissions from Petroleum Refinery Wastewater Systems REQUIREMENTS FOR FIXED ROOF TANKS ROUTED TO FUEL GAS**		
40 CFR 60.690(a)(1)	Applicability and Designation of Affected Facility	Y	
40 CFR 60.690(a)(3)	Applicability and Designation of Affected Facility	Y	
40 CFR 60.691	Definitions: Closed Vent System. If gas or vapor from regulated equipment are routed to a process (e.g., petroleum refinery fuel gas system), the process shall not be considered a closed vent system and is not subject to the closed vent system standards.	Y	
40 CFR 60.692-1	Standards: General	Y	
40 CFR 60.692-1(a)	Standards: General	Y	
40 CFR 60.692-1(b)	Standards: General	Y	
40 CFR 60.692-3	Standards: Oil-Water Separators (includes storage vessels)	Y	
40 CFR 60.692-3(a)	Standards: Oil-Water Separators (includes storage vessels)	Y	
40 CFR 60.692-3(a)(1)	Standards: Oil-Water Separators (includes storage vessels)	Y	
40 CFR 60.692-3(a)(2)	Standards: Oil-Water Separators (includes storage vessels)	Y	
40 CFR 60.692-3(a)(3)	Standards: Oil-Water Separators (includes storage vessels)	Y	
40 CFR 60.692-3(a)(4)	Standards: Oil-Water Separators (includes storage vessels)	Y	
40 CFR 60.692-3(a)(5)	Standards: Oil-Water Separators (includes storage vessels)	Y	
40 CFR 60.692-3(f)	Standards: Oil-Water Separators (includes storage vessels)	Y	
40 CFR 60.692-6	Standards: Delay of Repair	Y	
40 CFR 60.692-6(a)	Standards: Delay of Repair	Y	
40 CFR 60.692-6(b)	Standards: Delay of Repair	Y	
40 CFR 60.697	Recordkeeping Requirements	Y	
40 CFR 60.697(a)	Recordkeeping Requirements	Y	
40 CFR 60.697(c)	Recordkeeping Requirements	Y	
40 CFR 60.697(e)(1)	Recordkeeping Requirements	Y	
40 CFR 60.697(e)(2)	Recordkeeping Requirements	Y	
40 CFR 60.697(e)(3)	Recordkeeping Requirements	Y	
40 CFR 60.697(e)(4)	Recordkeeping Requirements	Y	
40 CFR 60.697(f)(1)	Recordkeeping Requirements	Y	
40 CFR 60.697(f)(2)	Recordkeeping Requirements	Y	
40 CFR 60.698(c)	Reporting Requirements	Y	
NSPS Title 40 Part 60 Subpart Kb	**NSPS Subpart Kb for Tanks (12/14/2000) REQUIREMENTS FOR RECORDKEEPING ONLY**		
40 CFR 60.110b(a)	Applicability and Designation of Affected Facility; Volatile organic liquid storage vessels > or = to 40 cu m, after 7/23/1984	Y	
40 CFR 60.110b(c)	Applicability and Designation of Affected Facility; Exemptions for storage vessels > or = to 75 cu m	Y	
40 CFR 60.116b(a)	Monitoring of Operations; Record retention	Y	
40 CFR 60.116b(b)	Monitoring of Operations; Permanent record requirements	Y	

IV. Source Specific Applicable Requirements

Table IV – B27
Source-Specific Applicable Requirements
NSPS KB EXEMPT FIXED ROOF WASTEWATER TANKS VENTED TO FUEL GAS
TANK 235, TANK 236

40 CFR 60.116b(e)	Monitoring of Operations; Determine TVP	Y	
40 CFR 60.116b(e)(3)	Monitoring of Operations; Determine TVP-other liquids	Y	
40 CFR 60.116b(f)	Monitoring of Operations; Waste storage tanks (indeterminate or variable composition)	Y	
40 CFR 60.116b(g)	Monitoring of Operations; Exemption from 40 CFR 60.116b(c) and 40 CFR 60.116b(d) for tanks with closed vent system and control device	Y	
BAAQMD Condition 20773			
Part 1	Requirement to verify exempt status of tank based on true vapor pressure of contents [Basis: Regulation 8-5-117, 2-6-409.2]	Y	4/1/04
Part 2	Record retention requirement [Basis: Regulation 2-6-409.2]	Y	4/1/04

Table IV – B28
Source-Specific Applicable Requirements
NSPS KB EXEMPT FIXED ROOF WASTEWATER TANK
TANK 237

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD · Regulation 8, Rule 5	**Organic Compounds, Storage of Organic Liquids (11/27/02) EXEMPT**		
8-5-117	Exemption, Low Vapor Pressure	Y	
40 CFR 63 Subpart CC	**National Emission Standards for Hazardous Pollutants for Petroleum Refining (8/18/95) REQUIREMENTS FOR GROUP 2 WASTEWATER SOURCES**		
40 CFR 63.640(c)(3)	Wastewater streams and treatment operations associated with petroleum refining process units meeting the criteria of section 63.640(a)	Y	
40 CFR 63.641	Definitions: Group 1 and Group 2 Wastewater Streams	Y	
40 CFR 63.654(a)	Reporting and Recordkeeping Requirements: Wastewater – no reporting and recordkeeping requirements for wastewater except for Group 1 wastewater streams	Y	
NSPS Title 40 Part 60 Subpart QQQ	**NSPS Subpart QQQ VOC Emissions from Petroleum Refinery Wastewater Systems REQUIREMENTS FOR FIXED ROOF TANKS NOT ROUTED TO FUEL GAS**		
40 CFR 60.690(a)(1)	Applicability and Designation of Affected Facility	Y	
40 CFR 60.690(a)(3)	Applicability and Designation of Affected Facility	Y	
40 CFR 60.692-1	Standards: General	Y	
40 CFR 60.692-1(a)	Standards: General	Y	
40 CFR 60.692-1(b)	Standards: General	Y	
40 CFR 60.692-3	Standards: Oil-Water Separators (includes storage vessels)	Y	

IV. Source Specific Applicable Requirements

Table IV – B28
Source-Specific Applicable Requirements
NSPS KB EXEMPT FIXED ROOF WASTEWATER TANK
TANK 237

40 CFR 60.692-3(a)	Standards: Oil-Water Separators (includes storage vessels)	Y	
40 CFR 60.692-3(a)(1)	Standards: Oil-Water Separators (includes storage vessels)	Y	
40 CFR 60.692-3(a)(2)	Standards: Oil-Water Separators (includes storage vessels)	Y	
40 CFR 60.692-3(a)(3)	Standards: Oil-Water Separators (includes storage vessels)	Y	
40 CFR 60.692-3(a)(4)	Standards: Oil-Water Separators (includes storage vessels)	Y	
40 CFR 60.692-3(a)(5)	Standards: Oil-Water Separators (includes storage vessels)	Y	
40 CFR 60.692-3(f)	Standards: Oil-Water Separators (includes storage vessels)	Y	
40 CFR 60.692-6	Standards: Delay of Repair	Y	
40 CFR 60.692-6(a)	Standards: Delay of Repair	Y	
40 CFR 60.692-6(b)	Standards: Delay of Repair	Y	
40 CFR 60.697	Recordkeeping Requirements	Y	
40 CFR 60.697(a)	Recordkeeping Requirements	Y	
40 CFR 60.697(c)	Recordkeeping Requirements	Y	
40 CFR 60.697(e)(1)	Recordkeeping Requirements	Y	
40 CFR 60.697(e)(2)	Recordkeeping Requirements	Y	
40 CFR 60.697(e)(3)	Recordkeeping Requirements	Y	
40 CFR 60.697(e)(4)	Recordkeeping Requirements	Y	
40 CFR 60.697(f)(1)	Recordkeeping Requirements	Y	
40 CFR 60.697(f)(2)	Recordkeeping Requirements	Y	
40 CFR 60.698(c)	Reporting Requirements	Y	
NSPS Title 40 Part 60 Subpart Kb	**NSPS Subpart Kb for Tanks (12/14/2000) REQUIREMENTS FOR RECORDKEEPING ONLY**		
40 CFR 60.110b(a)	Applicability and Designation of Affected Facility; Volatile organic liquid storage vessels > or = to 40 cu m, after 7/23/1984	Y	
40 CFR 60.110b(c)	Applicability and Designation of Affected Facility; Exemptions for storage vessels > or = to 75 cu m	Y	
40 CFR 60.116b(a)	Monitoring of Operations; Record retention	Y	
40 CFR 60.116b(b)	Monitoring of Operations; Permanent record requirements	Y	
40 CFR 60.116b(d)	Monitoring of Operations; 30-day notification for TVP exceedances	Y	
40 CFR 60.116b(e)	Monitoring of Operations; Determine TVP	Y	
40 CFR 60.116b(e)(3)	Monitoring of Operations; Determine TVP-other liquids	Y	
40 CFR 60.116b(f)	Monitoring of Operations; Waste storage tanks (indeterminate or variable composition)	Y	
BAAQMD Condition 20773			
Part 1	Requirement to verify exempt status of tank based on true vapor pressure of contents [Basis: Regulation 8-5-117, 2-6-409.2]	Y	4/1/04
Part 2	Record retention requirement [Basis: Regulation 2-6-409.2]	Y	4/1/04

IV. Source Specific Applicable Requirements

Table IV – B29
Source-Specific Applicable Requirements
NSPS KB EXEMPT FIXED ROOF TANK
TANK 224

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD · Regulation 8, Rule 5	**Organic Compounds, Storage of Organic Liquids (11/27/02) EXEMPT**		
8-5-117	Exemption, Low Vapor Pressure	Y	
NESHAPS Title 40 Part 63 Subpart CC	**National Emission Standards for Hazardous Air Pollutants for Petroleum Refining (8/18/95) REQUIREMENTS FOR TANKKS ALSO SUBJECT TO NSPS Kb**		
40 CFR 63.640(c)(2)	Applicability and Designation of Storage Vessels	Y	
40 CFR 63.640(n)(1)	Applicability and Designation of Affected Source Overlap for Storage Vessels--Existing Group 1 or Group 2 also subject to Kb only subject to Kb and 63.640(n)(8).	Y	
40 CFR 63.640(n)(8)	Applicability and Designation of Affected Source Overlap for Storage Vessels--Additional requirements for Kb storage vessels	Y	
NSPS Title 40 Part 60 Subpart Kb	**NSPS Subpart Kb for Tanks (12/14/2000) REQUIREMENTS FOR RECORDKEEPING ONLY**		
40 CFR 60.110b(a)	Applicability and Designation of Affected Facility; Volatile organic liquid storage vessels > or = to 40 cu m, after 7/23/1984	Y	
40 CFR 60.110b(c)	Applicability and Designation of Affected Facility; Exemptions for storage vessels > or = to 75 cu m	Y	
40 CFR 60.116b(a)	Monitoring of Operations; Record retention	Y	
40 CFR 60.116b(b)	Monitoring of Operations; Permanent record requirements	Y	
40 CFR 60.116b(d)	Monitoring of Operations; 30-day notification for TVP exceedances	Y	
40 CFR 60.116b(e)	Monitoring of Operations; Determine TVP	Y	
40 CFR 60.116b(e)(2)	Monitoring of Operations; Determine TVP-crude oil and refined petroleum	Y	
BAAQMD Condition 20773			
Part 1	Requirement to verify exempt status of tank based on true vapor pressure of contents [Basis: Regulation 8-5-117, 2-6-409.2]	Y	4/1/04
Part 2	Record retention requirement [Basis: Regulation 2-6-409.2]	Y	4/1/04

IV. Source Specific Applicable Requirements

Table IV – B30
Source-Specific Applicable Requirements
EXEMPT EXTERNAL FLOATING ROOF WASTEWATER TANKS
TANK 206, TANK 207

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD · Regulation 8, Rule 5	**Organic Compounds, Storage of Organic Liquids (11/27/02) EXEMPT**		
8-5-117	Exemption, Low Vapor Pressure	Y	
40 CFR 63 Subpart CC	**National Emission Standards for Hazardous Pollutants for Petroleum Refining (8/18/95) REQUIREMENTS FOR GROUP 2 WASTEWATER SOURCES**		
40 CFR 63.640(c)(3)	Wastewater streams and treatment operations associated with petroleum refining process units meeting the criteria of section 63.640(a)	Y	
40 CFR 63.641	Definitions: Group 1 and Group 2 Wastewater Streams	Y	
40 CFR 63.654(a)	Reporting and Recordkeeping Requirements: Wastewater – no reporting and recordkeeping requirements for wastewater except for Group 1 wastewater streams	Y	
NSPS Title 40 Part 60 Subpart K	**NSPS Subpart K for Tanks (4/4/1980) EXEMPTION FOR TANKS NOT CONTAINING PETROLEUM LIQUIDS**		
40 CFR 60.111(b)	Definitions: Petroleum liquids	Y	
BAAQMD Condition 20773			
Part 1	Requirement to verify exempt status of tank based on true vapor pressure of contents [Basis: Regulation 8-5-117, 2-6-409.2]	Y	4/1/04
Part 2	Record retention requirement [Basis: Regulation 2-6-409.2]	Y	4/1/04

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

CONDITION 383

APPLICATIONS 30417/15852; SAN FRANCISCO REFINERY; PLANT 16
CONDITIONS FOR S-350

1a. Sulfur content of crude processed in Crude Unit #267 (S-350) shall not exceed 1.5 weight%. [Cumulative Increase]

1b. The crude feed to S-350 shall be sampled and analyzed to determine the sulfur content each time a new tanker shipment or pipeline delivery of crude is introduced into the S-350 feed tanks. [Cumulative Increase]

2. Crude Unit #267 (S-350) feed rate shall not exceed 30,000 bbl per day on a 12 month rolling average basis. Crude Unit #267 feed rate shall never exceed 33,000 bbl on any calendar day. The 33,000 bbl/day limit and 30,000 bbl/day 12 month rolling average limit are absolute limits and may not be corrected for instrument error. [Cumulative Increase]

3a. Monthly records of "calendar day" throughput and "12 month rolling average" throughput shall be maintained in a District-approved log. These records shall be kept for at least five years and shall be made available to the District upon request. [Cumulative Increase]

3b. Sulfur content analyses required by Part 1b shall be kept in a District-approved log for at least 5 years and shall be made available to the District upon request. [Cumulative Increase]

CONDITION 476

A. Definitions And Abbreviations (Partial)

1. Start-up: 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.

2. Shutdown: 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.

3. Annual average basis: an average daily amount determined by dividing a 12 month

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running total by 365.

4. ppmdv: parts per million dry volume.

5. C5/C6: petroleum products containing pentane, hexane and cyclic compounds.
[Definitions]

B. Operations

1. The total charging rate to S-300, Coking Unit 200, shall not exceed 56,000 barrels per any day. The annualized daily average shall not exceed 52,000 barrels.
[Cumulative Increase]

C. Reporting And Recordkeeping

1. A file shall be maintained which contains (1) all measurements, records, charts and other data which must be collected pursuant to the provisions of this conditional permit and (2) such other data and calculations necessary to determine actual emissions from emission points covered by this permit. This file (which may contain confidential or proprietary data) shall include, but not be limited to: records of quantities of crude oil and other hydrocarbons processed on an actual daily basis. This material shall be kept available for District inspection for a period of at least 5 years following the date on which such measurements, records or other data are made or recorded.
[BACT, Cumulative Increase]

2. Each month, within 30 days of the end of the month an operational report shall be made to the APCO. Each monthly report shall include the following information for the month being reported:

   a. S-300 Coking Unit 200 daily charging rate for all feed streams
   [BACT, Cumulative Increase]

D. Miscellaneous

1. Compliance with the annual average basis limits set forth in Section B shall be determined monthly based on the information contained in the operational reports submitted pursuant to Section C.2 above for the previous twelve months.
[BACT, Cumulative Increase]

CONDITION 1440

APPLICATIONS 483/5504; SAN FRANCISCO REFINERY; PLANT 16
CONDITIONS FOR S-324, S-381, S-382, S-383, S-384, S-385, S-386, S-387, S-390, S-392, S-400, S-401 S-1007, S-1008, S-1009

1. S-324 API Separator shall be operated such that the liquid in the main separator basin is in full

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contact with fixed concrete roof. This condition shall not apply during separator shutdown for maintenance. [Cumulative Increase]

2. Diversions of refinery wastewater around the Water Effluent Treating Facility to the open Storm Water Basins (S-1008, S-1009) shall be minimized. These diversions shall not cause a nuisance as defined in District Regulation 7 or Regulation 1-301. [Cumulative Increase]

3. Records shall be maintained of each incident in which refinery wastewater is diverted to the open storm water basins. These records shall include the reason for the diversion, the total quantity of wastewater diverted to the basins, and the approximate hydrocarbon content of the water. [Cumulative Increase]

4. The following sources shall have no detectable VOC emissions ("no detectable VOC emissions" is defined according to EPA Test Method 21 as less than 500 ppm above background levels):

   a. Doors, hatches, covers, and other openings on the S-324 API Separator, forebay, outlet basin, and channel to the S-1007 DAF Unit.
   b. Doors, hatches, covers, and other openings on the S-1007 DAF Unit and the S-400 Wet and S-401 Dry Weather Sumps, except for the vent opening on these units.
   c. Any open process vessel, distribution box, tank, or other equipment downstream of the S-1007 DAF Unit (S-381, S-382, S-383, S-384, S-385, S-386, S-387, S-390, S-392). [Cumulative Increase]

5. Compliance with the VOC emission criteria of Part 4 shall be determined every 6 months and records kept of each inspection. These records shall be made available to District personnel upon request. [Cumulative Increase]

6. The maximum wastewater throughput at the S-324 API Separator and S-1007 DAF Unit shall not exceed 7,500 gpm during media filter backwash and 7,000 gpm during all other times for each unit. Any modifications to equipment at this facility which increase the annual average waste water throughput at S-324 and S-1007 shall first be submitted to the BAAQMD in the form of a permit application. [Cumulative Increase]

CONDITION 1694

APPLICATION 18623; SAN FRANCISCO REFINERY; PLANT 16
CONDITIONS FOR COMBUSTION SOURCES AND SO2 CAP, EXCEPT FOR GAS TURBINES AND DUCT BURNERS

A. Heater Firing Rate Limits and General Requirements

1. Each heater listed below shall not exceed the indicated daily firing rate limit (based on higher heating value of fuel) which are considered maximum sustainable firing

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rates. The indicated hourly firing rate is the daily limit divided by 24 hours and is the basis for permit fees and is the rate listed in the District database.

District Source Number	Refinery ID Number	Daily Firing Limit (MM BTU/day)	Hourly Firing Rate (MM BTU/hr)
S-2	U229/B301	528	22
S-3	U230/B201	1,488	62
S-4	U231/B101	2,304	96
S-5	U231/B102	2,496	104
S-7	U231/B103	1,536	64
S-8	U240/B1	6,144	256
S-9	U240/B2	1,464	61
S-10	U240/B101	5,352	223
S-11	U240/B201	2,592	108
S-12	U240/B202	1,008	42
S-13	U240/B301	4,656	194
S-14	U240/B401	13,344	556
S-15 thru S19	U244/B501 thru B505	5,754	239.75
S-20	U244/B506	552	23
S-21	U244/B507	194.4	8.1
S-22	U248/B606	744	31
S-29	U200/B5	2,472	103
S-30	U200/B101	1,200	50
S-31	U200/B501	480	20
S-43	U200/B202	5,520	230
S-44	U200/B201	1,104	46
S-336	U231/B104	2,664	111
S-337	U231/B105	816	34
S-351	U267	2,424	101
S-371/372	U228/B520 and B521	1,392	58
S-438	U110	5,040	210

[Regulation 2-1-234.3]

2a. All sources shall use only refinery fuel gas and natural gas as fuel, EXCEPT for S-438 which may also use pressure swing adsorption (PSA) off gas as fuel, and EXCEPT for S-3 and S-7 which may also use naphtha fuel.
[Regulation 9-1-304 (sulfur content), Regulation 2, Rule 1]

2b. Sources S-3 and S-7 are permitted to use liquid fuel. These sources shall be monitored for visible emissions during tube cleaning during daylight hours. If any visible emissions are detected when the operation commences, corrective action shall be taken within one day, and monitoring shall be performed after the corrective action is taken. If no visible emissions are detected, monitoring shall be performed on an hourly basis. [Regulation 2-6-409.2]

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2c. Sources S-3 and S-7 are permitted to use liquid fuel. These sources shall be monitored for visible emissions before each 1 million gallons of liquid fuel is combusted at each source. If an inspection documents visible emissions, a Method 9 evaluation shall be completed within 3 working days, or during the next scheduled operating period if the specific unit ceases firing on liquid fuel within the 3 working day time frame. [Regulation 2-6-409.2].

3a. The refinery fuel gas shall be tested for total reduced sulfur (TRS) concentration by GC analysis at least once per 8 hour shift (3 times per calendar day). At least 90% of these samples shall be taken each calendar month. No readable samples or sample results shall be omitted. TRS shall include hydrogen sulfide, methyl mercaptan, methyl sulfide, dimethyl disulfide. As an alternative to GC TRS analysis, the fuel gas total sulfur content may be measured with a dedicated total sulfur analyzer (Houston Atlas or equivalent), and TRS concentration estimated based on the total sulfur/TRS ratio, with the TRS estimate increased by a 5% margin for conservatism. The total sulfur/TRS ratio shall be determined at least on a monthly basis through GC analyses of total sulfur and TRS values, and the most recent ratio shall be used to estimate TRS concentration. [SO2 Bubble]

3b. The average of the 3 daily refinery fuel gas TRS sample results shall be reported to the District in a table format each calendar month, with a separate entry for each daily average. Sample reports shall be submitted to the District within 30 days of the end of each calendar month. Any omitted sample results shall be explained in this report. [SO2 Bubble]

4. Emissions of SO2 shall not exceed 1,558 lb/day on a monthly average basis from non-cogeneration sources burning fuel gas, fuel oil or diesel fuel. [SO2 Bubble]

5. The following records shall be maintained in a District-approved log for at least 5 years and shall be made available to the District upon request:

a. Daily and monthly records of the type and amount of fuel combusted at each source listed in Part A.1. [Regulation 2, Rule 1]
b. TRS sample results as required by Part A.3 [SO2 Bubble]
c. SO2 emissions as required by Part A.4 [SO2 Bubble]
d. The operator shall keep records of all visible emission monitoring required by Part 2b, shall identify the person performing the monitoring and shall describe all corrective actions taken. [Regulation 2-6-409.2]
e. The operator shall keep records of all visible emission monitoring required by Part 2c, of the results of required visual monitoring and Method 9 evaluations on these sources, shall identify the person performing the monitoring and shall describe all corrective actions taken. [Regulation 2-6-409.2]

B. S-351 PREHEATER

1. The S-351 heater shall be abated by the A-6 SCR unit at all times. [BACT, Cumulative Increase]

2. The concentration of NOx from S-351 shall not exceed 20 ppmv @ 3% oxygen, dry, averaged over any consecutive 3 hour period. This limit shall not apply during a startup period which

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shall not exceed 12 hours. The startup exemption period may last up to 24 hours to allow the proper ammonia injection temperature to be reached provided that the temperature is monitored at least once per hour and that ammonia injection begins within 2 hours of reaching the proper temperature. This limit shall also not apply during a shutdown period which shall not exceed 9 hours. [BACT, Cumulative Increase]

3. The following instruments shall be installed and maintained to demonstrate compliance with Part 2:

   a. continuous NOx analyzer/recorder
   b. continuous O2 or CO analyzer/recorder [BACT, Cumulative Increase]

C. S-371 AND S-372 FURNACES

1. The S-371 furnace shall be abated by the A-16 SCR unit at all times. The S-372 furnace shall be abated by the A-17 SCR unit at all times. [BACT, Cumulative Increase]

2. The concentration of NOx from S-371 and S-372 shall not exceed 20 ppmv, dry, corrected to 3% oxygen, averaged over any consecutive 3 hour period. This limit shall not apply during a startup period, which shall not exceed 12 hours. The startup exemption period may last up to 24 hours to allow the proper ammonia injection temperature to be reached provided that the temperature is monitored at least once per hour and that ammonia injection begins within 2 hours of reaching the proper temperature. This limit shall also not apply during a shutdown period which shall not exceed 9 hours. [BACT, Cumulative Increase]

3. The concentration of CO emissions from S-371 and S-372 shall not exceed 50 ppmv, dry, corrected to 3% oxygen, averaged over any consecutive 3 hour period. This limit shall not apply during a startup period, which shall not exceed 12 hours. The startup exemption period may last up to 24 hours to allow the proper ammonia injection temperature to be reached provided that the temperature is monitored at least once per hour and that ammonia injection begins within 2 hours of reaching the proper temperature. This limit shall also not apply during a shutdown period, which shall not exceed 9 hours.
   [BACT, Cumulative Increase]

D. S-43 Coking Furnace (Unit 200 B-202) and S-44 (Unit 200 B-201 PCT Reboil Furnace)

   1. Nitrogen oxide emissions from the S-43 Coking Furnace (Unit 200 B-202) shall be abated by Selective Catalytic Reduction Unit A-4. [BACT, Cumulative Increase]

   2. The nitrogen oxides in the flue gases for S-43, Unit 200 B-202 Coking Furnace and S-44, Unit 200 B-201 PCT Reboil Furnace shall not exceed 40 ppmdv corrected to 3% oxygen, dry, over any consecutive 8 hour period. This limit shall not apply during a startup period which shall not exceed 12 hours. The startup exemption period may last up to 24 hours to allow the proper ammonia injection temperature to be reached provided that the temperature is monitored at least once per hour and that ammonia injection begins within 2 hours of reaching the proper temperature. This limit shall also not apply during a

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shutdown period which shall not exceed 9 hours.
[BACT, Cumulative Increase]

3. The carbon monoxide in the flue gas for S-43, Unit 200 B-202 Coking Furnace and S-44, Unit 200 B-201 PCT Reboil Furnace shall not exceed 50 ppmdv corrected to 3% oxygen averaged over any calendar month. This condition shall not apply during start-up and shutdown. [BACT, Cumulative Increase]

4. Instruments shall be installed and operated to continuously monitor the percentage of oxygen and the concentration of nitrogen oxides from the following sources: S-43, Unit 200 B-202 Coking Furnace and S-44, Unit 200 B-201 PCT Reboil Furnace.
[BACT]

E. S-438 FURNACE

1. The S-438 furnace shall be abated by the A-46 SCR unit at all times.
[BACT, Cumulative Increase]

2. Total fuel fired in S-438 shall not exceed 2.04 E 12 BTU in any rolling consecutive 365 day period. [Cumulative Increase]

3. Pressure swing adsorption (PSA) off gas used as fuel at S-438 shall not exceed 1.0 ppm (by weight) total reduced sulfur (TRS). TRS shall include hydrogen sulfide, methyl mercaptan, methyl sulfide, dimethyl disulfide. [BACT, Cumulative Increase]

4. The following emission concentration limits from S-438 shall not be exceeded. These limits shall not apply during startup periods not exceeding 24 hours (72 hours when drying refractory or during the first startup following catalyst replacement) and shutdown periods not exceeding 24 hours. The District may approve other startup and shutdown durations.

   NOx: 10 ppmv @ 3% oxygen, averaged over any 3 hour period
   CO: 32 ppmv @ 3% oxygen, averaged over any calendar day
   [BACT, Cumulative Increase]

5. The concentration of TRS in the blended fuel gas shall not exceed 50 ppmv averaged over any calendar month. [BACT, Cumulative Increase]

6. Daily records of the type and amount of fuel combusted at S-438 and of the TRS and hydrogen sulfide concentration in the blended fuel gas, and monthly records of average blended fuel gas TRS concentration, shall be maintained for at least five years and shall be made available to the District upon request. [Recordkeeping]

F. S-2, S-3, S-4, S-5, S-7, S-8, S-9, S-10, S-11, S-12, S-13, S-14 Heaters

1. Total fuel firing at Unit 240 (S-8, S-9, S-10, S-11, S-12, S-13, S-14) shall not exceed 993.7 MM BTU/hr averaged over any consecutive 12 month period. [Cumulative Increase]

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2. Total fuel fired at the MP-30 Complex, including Unit 229 (S-2), Unit 230 (S-3) and Unit 231 (S-4, S-5, S-7) shall not exceed 346.5 MM BTU/hr averaged over any consecutive 12 month period. [Cumulative Increase]

3. Monthly records of the fuel fired at sources in Parts 1 and 2 shall be kept in a District-approved log for at least 5 years and shall be made available the District upon request. [Recordkeeping]

CONDITION 1860

APPLICATION 1660, SAN FRANCISCO REFINERY, PLANT 16
CONDITIONS FOR S-388,

1. Tank T-276 and mixer F-205 (S-388) shall be gas-tight, with no detectable emissions. "Detectable Emissions" shall be defined as organic concentration exceeding 300 ppm as methane above background. [Cumulative Increase]

2. S-388 shall be vented to the Refinery Vapor Recovery System at all times that S-388 is operating. [Cumulative Increase]

3. S-388 shall be included in the facility fugitive emission monitoring program required by Regulation 8, Rule 18. [Regulation 8, Rule 18]

CONDITION 4336

APPLICATION 4332, 15994; SAN FRANCISCO REFINERY; PLANT 16
CONDITIONS FOR S-425, S-426

1. For each loading event of "regulated organic liquid", the A-420 shall be operated with a temperature of at least 1300 degrees F during the first 15 minutes of the loading operation. After the initial 15 minutes of loading, the A-420 temperature shall be at least 1400 degrees F. [Cumulative Increase]

2. Instruments shall be installed and maintained to monitor and record the following:

   a. Static pressure developed in the marine tank vessel
   b. A-420 temperature.
   c. Hydrocarbons and flow to determine mass emissions or a concentration measurement alone if it is demonstrated to the satisfaction of the APCO that concentration alone allows verification of compliance, or
   d. Any other device that verifies compliance, with prior approval from the APCO. [Cumulative Increase]

3. A "regulated organic liquid" shall not be loaded from this facility into a marine tank vessel within the District whenever A-420 is not fully operational. A-420 must be maintained to be

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leak free, gas tight, and in good working order. For the purposes of this condition, "operational" shall mean the system is achieving the reductions required by Regulation 8, Rule 44; "regulated organic liquids" include gasoline, gasoline blendstocks, aviation gasoline and JP-4 aviation fuel and crude oil. [Cumulative Increase]

4. A leak test shall be conducted on all vessels loading under positive pressure prior to loading more than 20% of the cargo. The leak test shall include all vessel relief valves, hatch cover, butterworth plates, gauging connections, and any other potential leak points. [Cumulative Increase]

5. Loading pressure shall not exceed 80% of the lowest relief valve set pressure of the vessel being loaded. [Cumulative Increase]

The following conditions are transferred from Condition 476.

6. No more than 25,000 barrels per day of gasoline, naphtha and C5/C6 shall be shipped across the wharf on an annual average basis. [Cumulative Increase]

   a. When barges are used to ship gasoline, naphtha or C5/C6, the volume of these materials shipped during any reporting period is to be multiplied by a factor of 1.66 and included in the shipping totals to determine compliance with the throughput limits.
   b. When barges are used to lighter crude oil, the volume of oil lightered during any reporting period shall be multiplied by a factor of 0.42 and included in the shipping totals to determine compliance with the throughput limits. The vessel Exxon Galveston is considered a ship for the purposes of this condition.

7. All throughput records required to verify compliance with Part 6 and maintenance records required for A-420, which are subject to Regulation 8, Rule 44, shall be kept on site for at least 5 years and made available to the District upon request. [Cumulative Increase]

CONDITION 6671

APPLICATION 18377; RODEO RFINERY; PLANT 16
CONDITIONS FOR S-307

1. The vapor vent on the E-421 condenser (overhead condenser on D-406 condensate stripper in U-240 Unicracker Complex hydrogen plant) shall be vented to the A-50 condenser whenever the vent operates. [Regulation 8-2-301]

2. A-50 shall reduce total organic carbon emissions from the E-421 vent as necessary to a level which complies with Regulation 8-2-301. [Regulation 8-2-301]

3. All blowdown and other liquid effluent from A-50 shall be piped to the plant wastewater treatment system. [Cumulative Increase]

4. Whenever the U-240 hydrogen plant operates, normal flow of scrubbing liquid through the E-421 scrubber pumparound pump and normal flow of cooling water through the pumparound

VI. Permit Conditions

cooler shall be verified on a daily basis. [Cumulative Increase]

5. Daily records (on days when the U-240 hydrogen plant operates) of normal scrubbing liquid flow and normal cooling water flow shall be kept in a District-approved log for at least five years and shall be made available to the District upon request. [Cumulative Increase]

CONDITION 6725

APPLICATION 6122; SAN FRANCISCO REFINERY; PLANT 16
CONDITIONS FOR S-432

1) All new flanges in hydrocarbon service associated with the S-432 Deisobutanizer project shall utilize graphitic gaskets. All new valves in hydrocarbon service associated with the project shall be either live-loaded valves, bellows-sealed valves, diaphragm valves, or other District approved equivalent valve designs. [BACT, Cumulative Increase]

2) All new pressure relief valves in hydrocarbon service associated with the S-432 project shall be vented to the refinery flare gas recovery system.
[BACT, Cumulative Increase]

3) All new pumps and compressors in hydrocarbon service associated with the S-432 project shall utilize either a double mechanical shaft seal design with barrier fluid, a magnetically coupled shaft, or other District approved equivalent design. If a barrier fluid is used, either the fluid reservoir shall be vented to a 95% efficient control device, or the barrier fluid shall be operated at a pressure higher than the process stream pressure.
[BACT, Cumulative Increase]

CONDITION 7353

1. The emissions from the S-433 MOSC storage tank shall be collected and vented to the fuel gas system. [Cumulative Increase]

2. Valves shall be equipped with live-loaded packing. Pumps shall be equipped with double mechanical seals separated by a barrier fluid. [Cumulative Increase]

3. The S-433 Fixed Roof Storage Tank shall only store sludge. [Cumulative Increase]

4. The total throughput of sludge at this MOSC facility shall not exceed 138,700 barrels in any rolling 52 consecutive week period. [Cumulative Increase]

5. The total weekly throughput of sludge withdrawn from the S-433 Storage Tank shall be recorded in a District approved log. This record shall be retained for a period of at least five years from date of entry. It shall be kept on site and made available to the District staff upon request. [Cumulative Increase]

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CONDITION 7523

APPLICATION 22088; SAN FRANCISCO REFINERY; PLANT 16
CONDITIONS FOR S-294 (GDF 7609)

Pursuant to BAAQMD Toxic Section Policy, this facility's annual gasoline throughput shall not exceed 400,000 gallons in any consecutive 12 month period. [Basis: Toxic Risk Policy]

CONDITION 11219

SAN FRANCISCO REFINERY; PLANT 16
CONDITIONS FOR S-449 (T-285)

1. Working emissions from S-449 shall be collected and vented to the refinery fuel gas supply. Other abatement devices, which provide at least 95% abatement of VOC emissions by weight, may be used with the prior approval of the District. [Cumulative Increase]

CONDITION 12121

APPLICATION 12412;SAN FRANCISCO REFINERY; PLANT 16
CONDITIONS FOR S-370

1. The feed rate at the S-370 isomerization unit (U-228) shall not exceed 11,040 barrels on any calendar day, defined as the sum of the isomerization fresh reactor charge and the adsorber fresh feed. [Cumulative Increase]

2. Daily records of the S-370 feed rate shall be maintained for at least five years and shall be made available to the District upon request. [Recordkeeping]

CONDITION 12122

APPLICATION 30810, 14527, 18281; SAN FRANCISCO REFINERY; PLANT 16
CONDITIONS FOR S-352, 353, 354, 355, 356, 357

1. The gas turbines (S-352, S-353 and S-354) and the heat recovery steam generator (HRG) duct burners (S-355,S-356 and S-357) shall be fired on refinery fuel gas or natural gas. [Cumulative Increase]

2. A HRG duct burner shall be operated only when the associated gas turbine is operated. [Cumulative Increase]

3. The exhaust from S-352 and S-355 shall be abated at all times by SCR unit A-13. [BACT, Cumulative Increase]

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4. The exhaust from S-353 and S-356 shall be abated at all times by SCR unit A-14. [BACT, Cumulative Increase]

5. The exhaust from S-354 and S-357 shall be abated at all times by SCR unit A-15. [BACT, Cumulative Increase]

6. Total fuel fired in S-355, S-356, and S-357 shall not exceed 2.42 E 12 BTU in any consecutive 365 day period. [Cumulative Increase]

7. CO emissions from each turbine/duct burner set shall not exceed 39 ppmv at 15% oxygen, averaged over any consecutive 30 day period. Emissions during startup periods, which shall not exceed four hours, and shutdown periods, which shall not exceed two hours, may be excluded when averaging emissions. [BACT, Cumulative Increase]

8. POC emissions from each turbine/duct burner set shall not exceed 6 ppmv at 15% oxygen, averaged over any consecutive 30 day period. Emissions during startup periods, which shall not exceed four hours, and shutdown periods, which shall not exceed two hours, may be excluded when averaging emissions. [BACT, Cumulative Increase]

9a. The combined NOx emissions from S- 352, S-353, S-354, S-355, S-356 and S-357 shall not exceed 66 lb/hr (averaged over any 3 hour period), nor 167 tons in any consecutive 365 day period. NOx emissions from each turbine/duct burner set shall not exceed 528 lb/day. [BACT, Cumulative Increase]

9b. NOx emissions from S- 352, S-353, S-354, S-355, S-356 and S-357 shall be monitored with a District-approved continuous emission monitor. [BACT, Cumulative Increase]

10a. The combined CO emissions from S-352, S-353, S-354, S- 355, S-356 and S-357 shall not exceed 200 tons in any consecutive 365 day period. [BACT, Cumulative Increase]

10b. CO emissions from S- 352, S-353, S-354, S-355, S-356 and S-357 shall be monitored with a District-approved continuous emission monitor. [BACT, Cumulative Increase]

11. The combined POC emissions S-352, S-353, S-354, S-355, S-356 and S-357 shall not exceed 8.3 lb/hr nor 30.5 tons in any consecutive 365 day period. [BACT, Cumulative Increase]

12. The refinery fuel gas shall be tested for total reduced sulfur (TRS) concentration at least once per 8 hour shift (3 times per calendar day). At least 90% of these samples shall be taken each calendar month. No readable samples or sample results shall be omitted. TRS shall include hydrogen sulfide, methyl mercaptan, methyl sulfide, dimethyl disulfide. [Cumulative Increase]

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13. The average of the 3 daily refinery fuel gas TRS sample results shall be reported to the District in a table format each calendar month, with a separate entry for each daily average. Sample reports shall be submitted to the District within 30 days of the end of each calendar month. Any omitted sample results shall be explained in this report. [Cumulative Increase]

14. A source test to verify compliance with Parts 8 and 11 shall be performed each calendar year in accordance with District source test methods or other methods approved in advance by the District. A copy of the test report shall be provided to the District Director of Compliance and Enforcement within 45 days of completion of the test. [Regulation 2-6-409.2]

15. Records shall be maintained to allow verification of compliance with all permit conditions. Records shall be retained for at least five years and shall be made available to the District upon request. [BACT, Cumulative Increase]

CONDITION 12124

APPLICATION 12412; SAN FRANCISCO REFINERY; PLANT 16
CONDITIONS FOR S-439 (T-109)

1. The following total throughput shall not be exceeded in any rolling continuous 12 month period:

   3,650 thousand barrels [Cumulative Increase]

2. S-439 shall operate with closed, gasketed covers on all tank openings except pressure relief valves and vacuum breaker valves. [BACT]

3. Monthly records of the throughput of each material processed at this tank shall be kept in a District-approved log for at least 5 years and shall be made available to the District upon request. [Cumulative Increase]

CONDITION 12125

APPLICATION 12412; SAN FRANCISCO REFINERY; PLANT 16
CONDITIONS FOR S-440 (T-110)

1. The following total throughput shall not be exceeded in any rolling continuous 12 month period:

   3,600 thousand barrels [Cumulative Increase]

VI. Permit Conditions

2. S-440 shall operate with closed, gasketed covers on all tank openings except pressure relief valves and vacuum breaker valves. [BACT]

3. Monthly records of the throughput of each material processed at this tank shall be kept in a District-approved log for at least 5 years and shall be made available to the District upon request. [Cumulative Increase]

CONDITION 12127

APPLICATION 12412; SAN FRANCISCO REFINERY; PLANT 16
CONDITIONS FOR S-442 (T-112)

1. The following total throughput shall not be exceeded in any rolling continuous 12 month period:

   2,740 thousand barrels [Cumulative Increase]

2. S-442 shall operate with closed, gasketed covers on all tank openings except pressure relief valves and vacuum breaker valves. [BACT]

3. Monthly records of the throughput of each material processed at this tank shall be kept in a District-approved log for at least 5 years and shall be made available to the District upon request. [Cumulative Increase]

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CONDITION 12129

APPLICATION 12412; SAN FRANCISCO REFINERY; PLANT 16
CONDITIONS FOR S-444 (T-243)

1. The following total throughput shall not be exceeded in any rolling continuous 12 month period:

   4,380 thousand barrels [Cumulative Increase]

2. S-444 shall operate with closed, gasketed covers on all tank openings except pressure relief valves and vacuum breaker valves. [BACT]

3. Monthly records of the throughput of each material processed at this tank shall be kept in a District-approved log for at least 5 years and shall be made available to the District upon request. [Cumulative Increase]

CONDITION 12130

APPLICATION 12412; SAN FRANCISCO REFINERY; PLANT 16
CONDITIONS FOR S-445 (T-271)

1. Working emissions from S-445 shall be collected and vented to the refinery fuel gas supply. Other abatement devices, which provide at least 95% abatement of VOC emissions by weight, may be used with the prior approval of the District. [Cumulative Increase]

CONDITION 12131

APPLICATION 12412; SAN FRANCISCO REFINERY; PLANT 16
CONDITIONS FOR S-446 (T-310)

1. Working emissions from S-446 shall be collected and vented to the refinery fuel gas supply. Other abatement devices, which provide at least 95% abatement of VOC emissions by weight, may be used with the prior approval of the District. [Cumulative Increase]

CONDITION 12132

APPLICATION 12412; SAN FRANCISCO REFINERY; PLANT 16
CONDITIONS FOR S-447 (T-311)

1. Working emissions from S-447 shall be collected and vented to the refinery fuel gas supply. Other abatement devices, which provide at least 95% abatement of VOC emissions by weight, may be used with the prior approval of the District. [Cumulative Increase]

CONDITION 12133

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APPLICATION 12412; SAN FRANCISCO REFINERY; PLANT 16
CONDITIONS FOR S-448 (T-1007)

1. The following total throughput shall not be exceeded in any rolling continuous 12 month period:

   2,190 thousand barrels [Cumulative Increase]

2. S-448 shall operate with closed, gasketed covers on all tank openings except pressure relief valves and vacuum breaker valves. [BACT]

3. Monthly records of the throughput of each material processed at this tank shall be kept in a District-approved log for at least 5 years and shall be made available to the District upon request. [Cumulative Increase]

CONDITION 12245

APPLICATION 13410; SAN FRANCISCO REFINERY; PLANT 16
CONDITIONS FOR S-450

1. Groundwater extracted from the S-450 trench system shall be pumped to the wastewater treatment plant for treatment and shall not be exposed to the atmosphere except as required at the treatment plant. [Cumulative Increase]

2. All extraction pump vaults and piping access boxes shall be equipped with solid covers. [Cumulative Increase]

CONDITION 13184

1. The POC emissions from the S-182 fixed roof storage tank shall be collected and vented at all times to the fuel gas collection system. [Cumulative Increase]

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CONDITION 16677

APPLICATION 117; SAN FRANCISCO REFINERY; PLANT 16
CONDITIONS FOR S-376, 377, 378

1. Net usage of citrus-based solvent at S-376, S-377 and S-378 shall not exceed 150 gallons each in any consecutive 12-month period. [Cumulative Increase]

2. Cleanup solvent other than the material(s) specified in Part 1, and/or usage in excess of that specified in Part 1, may be used, provided that the Permit Holder can demonstrate that all of the following are satisfied:

   a. Total POC emissions from S-376, S-377 and S-378 do not exceed 1,095 pounds each in any consecutive 12-month period; and
   b. The use of these materials does not increase toxic emissions above any risk screening trigger level. [Cumulative Increase and Toxic Risk Screen]

3. To determine compliance with the above requirements, the Permit Holder shall maintain the following records and provide all of the data necessary to evaluate compliance, including:

   a. Type and monthly usage of all solvents used;
   b. If a material other than those specified in Part 1 is used, POC and toxic component contents of each material used; and mass emission calculations to demonstrate compliance with Part 2, on a monthly basis;
   c. Monthly usage and emission calculations (if calculations are required by Part 3b) shall be totaled for each consecutive 12-month period.

   All records shall be retained for at least 5 years and shall be made available to the District upon request. These requirements shall not replace the recordkeeping requirements contained in any applicable District Regulations.
   [Cumulative Increase and Toxic Risk Screen]

CONDITION 18251

Conditions for S-380, S-389

1a. Activated Carbon Silo S-380 shall be vented through the A-20 baghouse whenever it is in service.

1b. Diatomaceous Earth Silo S-389 shall be vented through the A-21 baghouse whenever it is in service. [Regulation 2-1-234]

2a. Baghouses A-20 and A-21 shall be equipped with differential pressure gauges to allow monitoring of baghouse operating condition. [Regulation 1-441]

CONDITION 18251

VI. Permit Conditions

Conditions for S-380, S-389

2b. Differential pressure on baghouse A-20 shall be checked at least once per calendar quarter to verify normal operating condition. [Regulation 1-441]

2c. Differential pressure on baghouse A-21 shall be checked each time that the baghouse is operated to verify normal operating condition. [Regulation 1-441]

3. A record of alldifferential pressure readings for baghouses A-20 and A-21 shall be maintained in a District-approved log for at least 5 years and shall be made available to the District upon request. [Regulation 1-441]

CONDITION 18255

Conditions for S-296, S-398

This condition shall be effective December 1st, 2004

1. The owner/operator shall inspect flares S-296 and/or S-398 for visible emissions as soon as any intentional or unintentional release of vent gas is detected, using gas flow meters, which lasts more than 15 consecutive minutes. If any visible emissions are detected the operator shall take corrective action, and check for visible emissions after corrective action is taken. The owner/operator shall continuously monitor the flare as long as flaring occurs using EPA Reference Method 9 or Method 22. If Method 22 is used, visible emissions for more than 3 minutes in any hour is a violation and shall be reported to the Director of Compliance and Enforcement in accordance with standard condition I.F. If Method 9 is used, visible emissions over 20% opacity for more than 3 minutes in any hour is a violation and shall be reported to the Director of Compliance and Enforcement in accordance with Standard Condition I.F. [Regulation 2-6-409.2]

2. The owner/operator shall use flare S-398 only to burn only process upset gases or fuel gas that is released to it as a result of relief valve leakage or other emergency malfunctions. [Basis: 40 CFR 60.104(a)(1)]

3. The owner/operator shall record in a District-approved log every flaring event. This log shall be made available to the District upon request and kept for at least 5 years from the date of record. [Basis: 40 CFR 60.104(a)(1)]

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CONDITION 18629

Conditions for S-352, S-353, S-354, S-355, S-356, S-357

May 30, 1989 PSD Permit Amendments (first issued March 3, 1986)
Permit NSR 4-4-3 SFB 85-03

[Obsolete – Approval to Construct executed in a timely manner]

[Obsolete – Approval to Construct executed in a timely manner]

III. Facilities Operation

All equipment, facilities and systems installed or used to achieve compliance with the terms and conditions of this Approval to Construct/Modify shall at all times be maintained in good working order and be operated as efficiently as possible so as to minimize air pollutant emissions.

IV. Malfunction

The Regional Administrator shall be notified by telephone within two working days following any failure of air pollution control equipment, process equipment, or of any process to operate in a normal manner which results in an increase in emissions above any allowable emissions limit stated in Section IX of these conditions. In addition, the Regional Administrator shall be notified in writing within 15 days of any such failure. This notification shall include a description of the malfunctioning equipment or abnormal operation, the date of the initial failure, the period of time over which emissions were increased due to the failure, the cause of the failure, the estimated resultant emissions in excess of those allowed under Section IX of these conditions, and the methods utilized to restore normal operations. Compliance with this malfunction notification provision shall not excuse or otherwise constitute a defense to any violations of this permit or of any law or regulations which such malfunction may cause.

V. Right to Entry

The Regional Administrator, the head of the State Air Pollution Control Agency, the head of the responsible local air pollution control agency, and/or their authorized representatives, upon presentation of credentials, shall be permitted:

A. to enter upon the premises where the source is located or in which any records are required to be kept under the terms and conditions of this Approval to Construct/Modify; and

B. at reasonable times to have access to and copy any records required to be kept under the terms and conditions of this Approval to Construct/Modify; and

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Conditions for S-352, S-353, S-354, S-355, S-356, S-357

C. to inspect any equipment, operation, or method required in this Approval to Construct/Modify; and

D. to sample emissions from this source.

VI. Transfer of Ownership

In the event of any changes in control or ownership of facilities to be constructed or modified, this Approval to Construct/Modify shall be binding on all subsequent owners and operators. The applicant shall notify the succeeding owner and operator of the existence of this Approval to Construct/Modify and its conditions by letter, a copy of which shall be forwarded to the Regional Administrator and the State and local Air Pollution Control Agency.

VII. Severability

The provisions of this Approval to Construct/Modify are severable, and, if any provisions of this Approval to Construct/Modify is held invalid, the remainder of this Approval to Construct/Modify shall not be affected thereby.

VIII. Other Applicable Regulations

The owner and operator of the proposed project shall construct and operate the proposed stationary source in compliance with all other applicable provisions of 40 CFR Parts 52, 60 and 61 and all other applicable Federal, State and local air quality regulations.

IX. Special Conditions

[Obsolete – Approval to Construct executed in a timely manner]

B. Air Pollution Control Equipment

permit holder shall install, continuously operate, and maintain the following air pollution controls to minimize emissions. Controls listed shall be fully operational upon startup of the proposed equipment.

1. Each gas turbine shall be equipped with steam injection for the control of NOx emissions.

2. Each gas turbine shall be equipped with a Selective Catalytic Reduction (SCR) system for the control of NOx emissions.

CONDITION 18629

Conditions for S-352, S-353, S-354, S-355, S-356, S-357

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D. Operating Limitations

1. The gas turbines and Heat Recovery Steam Generator (HRG) burners shall be fired only on on refinery fuel gas and natural gas

2. The firing rate of each gas turbine/HRG burner set shall not exceed 466 MMBTU/hr.

3. The total fuel firing rate of the Steam/Power Plant shall not exceed 1048 MMBTU/hr.

4. The permit holder shall maintain records of the amount of fuel used in the gas turbines and the HRG Burners, hours of operation, sulfur content of the fuel, and the ratio of steam injected to fuel fired in each gas turbine, in a permanent form suitable for inspection. The record shall be retained for at least two years following the date of record and shall be made available to EPA upon request.

E. Emission Limits for NOx

On or after the date of startup, the permit holder shall not discharge from the gas turbine/HRG Burner sets NOx in excess of the more stringent of 83 lb/hr total or 25 ppmv at 15% O2 (3-hour average), or 664 lb/day per set. The concentration limit shall not apply for 4 hours during startup or 2 hours during shutdown.

F. Emission Limits for SO2

On or after the date of startup, the permit holder shall not discharge from the gas turbine/HRG Burner sets SO2 in excess of 15.6 lb/hr per set or 44 lb/hr total (3-hour average). Additionally, total SO2 emissions shall not exceed 34 lb/hr (3 hour average) for more than 36 days per year, nor a total of 153 tons per year (365 days)

G. Continuous Emission Monitoring

1. Prior to the date of startup and thereafter, the permit holder shall install, maintain and operate the following continuous monitoring systems downstream of each of the gas turbine/HRG Burner units:

a. Continuous monitoring systems to measure stack gas NOx and SO2 concentrations. The systems shall meet EPA monitoring performance specifications (40 CFR 60.13 and 40 CFR 60, Appendix B, Performance Specifications). Alternatively, the SO2 continuous monitor may be substituted for by a continuous monitoring system measuring H2S in the refinery fuel gas system and daily sampling for total sulfur in the fuel gas.

CONDITION 18629

Conditions for S-352, S-353, S-354, S-355, S-356, S-357

b. A system to calculate the stack gas volumetric flow rates continuously from actual process

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variables.

2. The permit holder shall maintain a file of all measurements, including continuous monitoring system performance evaluations, all continuous monitoring system monitoring device calibration checks, adjustments and maintenance performed on these systems or devices, and all other information required by 40 CFR 60 recorded in a permanent form suitable for inspection. The file shall be retained for at least two years following the date of such measurements, maintenance, reports and records.

3. The permit holder shall submit a written report of SO2 emission status and all excess emissions to EPA (Attn: A-3-3) for every calendar quarter. The report shall include the following:

a. If fuel gas samples are used to determine SO2 emissions:
(1) The total measured sulfur concentration in each fuel gas sample for the calendar quarter.

(2) The daily average sulfur content in the fuel gas, daily average SO2 mass emission rate (lb/hr), and total tons per year of SO2 emitted for the last 365 consecutive days. Total SO2 emissions exceeding 34 lb/hr must be identified.

b. The magnitude of excess emissions computed in accordance with 40 CFR 60.13(h), any conversion factors used, and the date and time of commencement and completion of each time period of excess emissions.

c. Specific identification of each period of excess emissions that occurs during startups, shutdowns and malfunctions of the cogeneration gas turbine system. The nature and cause of any malfunction (if known) and the corrective action taken or preventative measures adopted shall also be reported.

d. The date and time identifying each period during which the continuous monitoring system was inoperative except for zero and span checks, and the nature of the system repairs or adjustments.

e. When no excess emissions have occurred or the continuous monitoring system has not been inoperative, repaired, or adjusted, such information shall be stated in the report.

f. Excess emissions shall be defined as any three-hour period during which the average emissions of NOx and/or SO2 as measured by the continuous monitoring system and/or calculated from the daily average of the total sulfur in the fuel gas, exceeds the NOx and/or SO2 maximum emission limits set for each of the pollutants in Conditions IX.E and IX.F. above

CONDITION 18629

Conditions for S-352, S-353, S-354, S-355, S-356, S-357

g. Excess emissions indicated by the CEM system shall be considered violations of the applicable emission limits for the purpose of this permit.

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H. New Source Performance Standards

The proposed cogeneration facility is subject to the Federal regulations entitled Standards of Performance for New Stationary Sources (40 CFR 60). The permit holder shall meet all applicable requirements of Subparts A and GG of this regulation.

X. Agency Notifications

All correspondence as required by this Approval to Construct/Modify shall be forwarded to:

A. Director, Air Management Division (Attn: A-3-3)
EPA Region 9
215 Fremont Street
San Francisco, CA 94105 (415/974-8034)

B. Chief, Stationary Source Division
California Air Resources Board
P O Box 2815
Sacramento, CA 95812

C. Air Pollution Control Officer
Bay Area Air Quality Management District
939 Ellis Street
San Francisco, CA 94109

CONDITION 18680

1. The Phil Tite EVR Phase I Vapor Recovery System, including all associated plumbing and components, shall be operated and maintained in accordance with the most recent version of California Air Resources Board (CARB) Executive Order VR-101. Section 41954(f) of the California Health and Safety Code prohibits the sale, offering for sale, or installation of any vapor control system unless the system has been certified by the state board.

2. The owner or operator shall conduct and pass a Rotatable Adaptor Torque Test (CARB Test Procedure TP201.1B) and either a Drop Tube/Drain Valve Assembly Leak Test (TP201.1C) or, if operating drop tube overfill prevention devices ("flapper valves"), a Drop Tube Overfill Prevention Device and Spill Container Drain Valve Leak Test (TP201.1D) at least once in each 36-month period. Measured leak rates of each component shall not exceed the levels specified in VR-101. Results shall be submitted to BAAQMD within 15 days of the test date in a District-approved format.

CONDITION 19278

Conditions for S-1001, S-1002, S-1003

1. Effective April 1, 2004, the owner/operator shall conduct the following District-approved analyses at least once per calendar year:

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a. H2S concentration in the fuel gas at the inlet and outlet of each refinery fuel gas treatment system,
b. H2S concentration in the sour water at the inlet and outlet of each sour water stripper system.,
c. H2S concentration in the inlet and outlet (upstream of any tailgas thermal oxidizer) of each sulfur plant,
d. ammonia concentration in the sour water stream at the inlet and outlet of each sour water stripper system [Regulation 9-1-313.2]

2. The owner/operator shall summarize the results of these analyses in a written report to the District within 30 days of the analyses. The report shall include a determination of compliance or noncompliance with the 95% removal and retention requirements of Regulation 9-1-313.2. Each analysis and report shall be retained onsite for at least 5 years. [Regulation 9-1-313.2]

3. An annual District-approved source test shall be performed to verify compliance with the requirements of Regulation 6-330. A copy of the source test results shall be provided to the District Director of Compliance and Enforcement within 45 days of the test. [Regulation 6-330]

CONDITION 19476

Conditions for S-451

1. The total throughput at tank S-451 shall not exceed 11,000,000 barrels in any consecutive 12-month period. [Cumulative Increase]

2. S-451 shall comply with the following design requirements, in addition to any others required by Regulation 8, Rule 5, NSPS Subpart Kb or NESHAP Subpart CC:

   a. adjustable roof legs, if used, must be equipped with vapor boot seals, or with an equivalent vapor loss control device approved by the District [BACT, Cumulative Increase]

3. Monthly records of the type and net amount of materials stored at S-451 shall be kept in a District-approved log for at least 5 years and shall be made available to the District upon request. [Cumulative Increase]

CONDITION 19488

APPLICATION 4984; PLANT 16
CONDITIONS FOR S-50, 51, 52, 53, 54, 55, 56, 57, 58, 59

1. The owner/operator of turbine startup engines S-50, S-51 and S-52 shall operate each of these engines no more than 100 hours per calendar year. [Cumulative Increase]

VI. Permit Conditions

2. The owner/operator of S-50, S-51 and S-52 shall keep monthly records of the operating time of each engine. These records shall be kept for at least 5 years and shall be made available to the District upon request. [Regulation 9-8-502, 1-441]

CONDITIONS FOR S-53, 54, 55, 56, 57, 58, 59

3. The owner/operator of emergency standby engines S-53, S-54, S-55, S-56, S-57, S-58, and S-59 shall operate these engines only for emergency use or for reliability-related activities. Operations for reliability-related activities shall not exceed 100 hours per calendar year for each engine. Operation for emergency use is unlimited. [Regulation 9-8-330]

4. Emergency use is defined as the use of an emergency standby engine during any of the following:
   a. In the event of loss of regular natural gas supply;
   b. In the event of failure of regular electric power supply;
   c. Flood mitigation;
   d. Sewage overflow mitigation;
   e. Fire;
   f. Failure of a primary motor, but only for such time as needed to repair or replace the primary motor. [Regulation 9-8-231]

5. Reliability-related activities is defined as the use of an emergency standby engine during any of the following: [Regulation 9-8-232]
   a. Operation of an emergency standby engine to test its ability to perform for an emergency use;
   b. Operation of an emergency standby engine during maintenance of a primary motor.

6. Each emergency standby engine shall be equipped with either: [Regulation 9-8-530]
   a. A non-resettable totalizing meter that measures and records hours of operation.
   b. A non-resettable fuel usage meter

7. All records shall be kept for at least five years, and shall be available for inspection by District staff upon request. The owner/operator shall keep a monthly log of usage that shall indicate the following: [Regulations 9-8-530, 1-441]
   a. Hours of operation (total)
   b. Hours of operation (emergency)
   c. the nature of the emergency condition.

CONDITION 20620

1. By October 11, 2004, the owner/operator shall submit a complete application for a significant revision to the Major Facility Review permit to incorporate the limits, compliance options, and monitoring requirements in 40 CFR 63, Subpart UUU, National Emission Standards for Hazardous Air Pollutants for Petroleum Refineries: Catalytic Cracking Units, Catalytic Reforming Units, and Sulfur Recovery Units.
   [Basis: 40 CFR 63, Subpart UUU) By April 11, 2004]

VI. Permit Conditions

2. By April 11, 2005, the owner/operator shall submit an Operation, Maintenance and Monitoring Plan for District review in accordance with 40 CFR 63.1574(f). The plan shall be submitted to the Director of Enforcement.
[Basis: 40 CFR 63.1574(f)]

CONDITION 20773

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

1. Whenever the type of organic liquid in the tank is changed, the owner/operator shall verify that the true vapor pressure at the storage temperature is less than or equal to 25.8 mm Hg (0.5 psia). The owner/operator shall use Lab Method 28 from Volume III of the District's Manual of Procedures, Determination of the Vapor Pressure of Organic Liquids from Storage Tanks. For materials listed in Table 1 of Regulation 8 Rule 5, the owner/operator may use Table 1 to determine vapor pressure, rather than Lab Method 28. If the results are above 25.8 mm Hg (0.5 psia), the owner/operator shall report non-compliance in accordance with Standard Condition I.F and shall submit an application to the District for a new permit to operate for the tank as quickly as possible. [Basis: 8-5-117 and 2-6-409.2]

2. The results of the testing shall be maintained in a District-approved log for at least five years from the date of the record, and shall be made available to District staff upon request.
[Basis: 2-6-409.2]

VI. Permit Conditions

FACILITY-WIDE REQUIREMENTS

CONDITION 20989

A. THROUGHPUT LIMITS

The following limits are imposed through this permit in accordance with Regulation 2-1-234.3. Sources require BOTH hourly/daily and annual throughput limits (except for tanks and similar liquid storage sources, and small manually operated sources such as cold cleaners which require only annual limits). Sources with previously imposed hourly/daily AND annual throughput limits are not listed below; the applicable limits are given in the specific permit conditions listed above in this section of the permit. Also, where hourly/daily capacities are listed in Table II-A, these are considered enforceable limits for sources that have a New Source Review permit. Throughput limits imposed in this section and hourly/daily capacities listed in Table II-A are not federally enforceable for grandfathered sources. Grandfathered sources are indicated with an asterisk in the source number column in the following table. Refer to Title V Standard Condition J for clarification of these limits.

In the absence of specific recordkeeping requirements imposed as permit conditions, monthly throughput records shall be maintained for each source.

source number	hourly / daily throughput limit	annual throughput limit (any consecutive 12-month period unless otherwise specified)
15	Table II-A	19.9 E 6 therm total at S-15 through S-19
16	Table II-A	19.9 E 6 therm total at S-15 through S-19
17	Table II-A	19.9 E 6 therm total at S-15 through S-19
18	Table II-A	19.9 E 6 therm total at S-15 through S-19
19	Table II-A	19.9 E 6 therm total at S-15 through S-19
20	Table II-A	1.9 E 6 therm
21	Table II-A	0.7 E 6 therm
22	Table II-A	2.6 E 6 therm
29	Table II-A	8.6 E 6 therm
30	Table II-A	4.2 E 6 therm
31	Table II-A	1.7 E 6 therm
43	Table II-A	19.1 E 6 therm
44	Table II-A	3.8 E 6 therm
*97	NA for tank	1.1 E 7 bbl
*100	NA for tank	4.38 E 6 bbl
101	NA for tank	3.68 E 9 gal
102	NA for tank	3.68 E 9 gal

VI. Permit Conditions

source number	hourly / daily throughput limit	annual throughput limit (any consecutive 12-month period unless otherwise specified)
106	NA for tank	3.68 E 9 gal
*107	NA for tank	8.76 E 6 bbl
*110	NA for tank	1.40 E 7 bbl
*111	NA for tank	1.31 E 7 bbl
*112	NA for tank	1.49 E 7 bbl
*113	NA for tank	1.49 E 7 bbl
*114	NA for tank	1.31 E 7 bbl
*115	NA for tank	4.38 E 6 bbl
*117	NA for tank	8.76 E 5 bbl
*118	NA for tank	15,000 bbl
*121	NA for tank	3.52 E 4 bbl
*122	NA for tank	4.38 E 6 bbl
*123	NA for tank	5.1 E 6 bbl
*124	NA for tank	4.38 E 6 bbl
*125	NA for tank	1.05 E 7 bbl
*126	NA for tank	1.05 E 7 bbl
*128	NA for tank	5.1 E 6 bbl
129	NA for tank	4.6 E 6 bbl
133	NA for tank	8.76 E 5 bbl
*134	NA for tank	1.31 E 7 bbl
*139	NA for tank	2.74 E 6 bbl
*140	NA for tank	2.74 E 6 bbl
150	NA for tank	4.38 E 7 bbl
151	NA for tank	4.38 E 7 bbl
*177	NA for tank	2.63 E 7 bbl
178	NA for tank	3.50 E 7 bbl
183	NA for tank	4.38 E 5 bbl
184	NA for tank	4.38 E 6 bbl
*186	NA for tank	4.38 E 6 bbl
*193	NA for tank	100 bbl
*194	NA for tank	100 bbl
*195	NA for tank	5.0 E 4 bbl
196	NA for tank	5.0 E 4 bbl
*216	NA for tank	4.6 E 6 bbl
*238	NA for tank	1.00 E 6 bbl
*239	NA for tank	8.76 E 6 bbl
*254	NA for tank	7.01 E 7 bbl
*255	NA for tank	7.01 E 7 bbl
*256	NA for tank	7.01 E 7 bbl
*257	NA for tank	7.01 E 7 bbl
*258	NA for tank	7.01 E 7 bbl
*259	NA for tank	7.01 E 7 bbl

VI. Permit Conditions

source number	hourly / daily throughput limit	annual throughput limit (any consecutive 12-month period unless otherwise specified)
*261	NA for tank	7.01 E 7 bbl
294	20 gpm	400,000 gallons
*301	Table II-A	89,425 long ton for S-301, 302, 303
*302	Table II-A	89,425 long ton for S-301, 302, 303
*303	Table II-A	89,425 long ton for S-301, 302, 303
304	Table II-A	3.47 E 6 bbl
305	Table II-A	9.21 E 6 bbl
306	Table II-A	7.67 E 6 bbl
307	Table II-A	1.39 E 7 bbl
*308	Table II-A	5.11 E 6 bbl
*309	Table II-A	6.11 E 6 bbl
*318	Table II-A	3.3 E 7 bbl
*319	Table II-A	4.32 E 6 bbl
324	Table II-A	3.68 E 9 gallons
*334	NA for tank	6.51 E 6 bbl
336	Table II-A	9.2 E 6 therm
337	Table II-A	2.8 E 6 therm
*338	Table II-A	6.6 E 10 ft3
*339	Table II-A	5.26 E 7 bbl
340	NA for tank	7.67 E 6 bbl
341	NA for tank	4.38 E 7 bbl
342	NA for tank	4.38 E 7 bbl
343	NA for tank	4.38 E 7 bbl
351	Table II-A	8.4 E 6 therm
360	NA for tank	2.78 E 6 bbl
370	Condition 12121	4.03 E6 bbl
371	Table II-A	4.8 E6 therm for S-371/372
372	Table II-A	4.8 E6 therm for S-371/372
380	0.3 ton/hr	2,628 ton
381	420,000 gal/hr	3.68 E 9 gal
382	420,000 gal/hr	3.68 E 9 gal
383	420,000 gal/hr	3.68 E 9 gal
384	420,000 gal/hr	3.68 E 9 gal
385	Table II-A	3.68 E 9 gal
386	1800 gal/hr	1.6 E 7 gal
387	Table II-A	7.884 E 6 gal
388	Table II-A	153,300 ton
389	0.21 ton/hr	1840 ton
390	N/A for tank	7.884 E 6 gal

VI. Permit Conditions

source number	hourly / daily throughput limit	annual throughput limit (any consecutive 12-month period unless otherwise specified)
392	N/A for tank	7.884 E 6 gal
400	N/A for sump	3.68 E 9 gal
401	N/A for sump	3.68 E 9 gal
425	Table II-A	25,000 bbl/day at S-425 and S-426 (annual average)
426	Table II-A	25,000 bbl/day at S-425 and S-426 (annual average)
432	Table II-A	2.8 E6 bbl
435	Table II-A	6.6 E 6 bbl
436	Table II-A	4.7 E 6 bbl
437	Table II-A	9.1 E 9 ft3
*1001	Table II-A	89,425 long ton for S-1001, 1002, 1003
*1002	Table II-A	89,425 long ton for S-1001, 1002, 1003
*1003	Table II-A	89,425 long ton for S-1001, 1002, 1003
1007	Table II-A	3.68 E 9 gal
1008	Table II-A	3.68 E 9 gal
1009	Table II-A	3.68 E 9 gal

B. OTHER REQUIREMENTS

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

VII. APPLICABLE LIMITS & COMPLIANCE MONITORING REQUIREMENTS

This section has been included only to summarize the applicable emission limits contained in Section IV, Source-Specific Applicable Requirements, of this permit. The following tables show the relationship between each emission limit and the associated compliance monitoring provisions, if any. The monitoring frequency 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), semi-annual (SA), hourly (H), 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 – All Sources
Facility-Specific Generally Applicable 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 61, Subpart FF, 61.342 (a)	Y		Exemption for facilities with less than 10 Mg/yr of benzene in waste	40 CFR 61, Subpart FF, 61.357 (c)	P/A	report
HAP	40 CFR 63, Subpart CC, 63.647(a)	Y		wastewater standards of 40 CFR 61, Subpart FF, 61.340 to 61.355 are applicable	40 CFR 63, Subpart CC, 63.654(a)	P/A	report
VOC	BAAQMD Regulation 8-2-301	Y		emission streams with 15 lb/day AND 300 ppm total carbon on a dry basis prohibited	None	N	None
VOC	BAAQMD Regulation 8-4-302.1 and SIP 8-4-302	N Y		5 ton/yr per solvent, surface coating source	None	N	None
VOC	BAAQMD Regulation 8-5-328.2	Y		Tank cleaning control device standard includes 90% abatement efficiency requirement	BAAQMD 8-5-502	P/A	source test

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – All Sources
Facility-Specific Generally Applicable 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	NSPS Subpart Kb 60.112b(a)(2) and NESHAP Subpart CC 63.647(a)	Y		VOC concentrations shall not exceed 500 ppmv above background	NESHAP Subpart FF 61.350, 61.356(k), and 61.357(d)(8) NESHAP Subpart CC 63.642(e), 63.642(f) and 63.654(i)(4)	P/Q-visual and A-measurements and reports	Visual inspections, portable HC detector (EPA Method 21) and records of detectable emissions, inspections and repairs
Opacity	BAAQMD Regulation 6-301	Y		Ringelmann No. 1 for no more than 3 minutes/hour	None	N	None
Opacity	BAAQMD 6-305	Y		Prohibition of nuisance	None	N	None
FP	BAAQMD 6-310.3	Y		0.15 grain/dscf @ 6% O2	None for gaseous fired sources	N	None
FP	BAAQMD Regulation 6-311	Y		No emissions from source > rate specified in rule	None for gaseous fired sources	N	None
SO2	BAAQMD Regulation 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 hr)	at the request of the District, 9-1-501 requires compliance with BAAQMD 1-510	C	SO2 GLM
SO2	BAAQMD Regulation 9-1-302	Y		300 ppm SO2 (dry)	None	N	None

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – All Sources
Facility-Specific Generally Applicable Requirements

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 Regulation 9-1-313.2	N		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; operation of a sulfur recovery plant	BAAQMD Condition 19278, Part 1	P/A	source test
SO2	SIP Regulation 9-1-313.2	Y		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	BAAQMD Condition 19278, Part 1	P/A	source test
H2S	BAAQMD Regulation 9-2-301	N		Ground level concentrations < 0.06 ppm averaged over 3 consecutive minutes or < 0.03 ppm averaged over any 60 consecutive minutes	BAAQMD 9-2-501, 1-510, 1-530 1-540, 1-542, 1-543 and 1-544	C	Area Monitoring

Table VII – A.1
Applicable Limits and Compliance Monitoring Requirements
S-2 – UNIT 229, B-301 HEATER

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
NOx	BAAQMD 9-10-301	Y		Refinery-wide emissions: 0.033 lb NOx/ MMBTU	BAAQMD 9-10-502.1	P/A	source test
NOx	BAAQMD 9-10-303	Y		Federal emissions: Refinery-wide emissions: 0.20 lb NOx/MMBTU	None	N	None

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A.1
Applicable Limits and Compliance Monitoring Requirements
S-2 – UNIT 229, B-301 HEATER

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
All combustion emissions	BAAQMD Condition 1694, Part A.1	Y		heat ratings, firing limits (see condition)	BAAQMD Condition 1694, Part A.5	P/D	records
all combustion emissions	BAAQMD Condition 1694, Part F.2	Y		346.5 MM BTU/hr averaged over any year at S-2, S-3, S-4, S-5, S-7	BAAQMD Condition 1694, Part F.3	P/M	records
O2		Y		No limit	BAAQMD 9-10-502.1	P/A	source test
CO	BAAQMD 9-10-305	Y		400 ppmv (dry, 3% O_2)	BAAQMD 9-10-502.1	P/A	source test
Opacity	BAAQMD 6-301	Y		Ringelmann 1 for no more than 3 minutes in any hour	None	N	None
	BAAQMD 6-305	Y		Prohibition of nuisance	None	N	None
FP	BAAQMD 6-310.3	Y		0.15 grain/dscf @ 6% O2	None for gaseous fired sources	N	None
SO2	BAAQMD Condition 1694, Part A.4	Y		1,558 lb/day SO2 over any month	BAAQMD Condition 1694, Part A.3a	P/3 times per day	TRS analysis
Fuel Flow		Y		No limit	BAAQMD 9-10-502.2	C	Fuel Flowmeter

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A.2
Applicable Limits and Compliance Monitoring Requirements
S-3 – UNIT 230, B-201 HEATER

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
NOx	BAAQMD 9-10-301	Y		Refinery-wide emissions: 0.033 lb NOx/ MMBTU	BAAQMD 9-10-502.1	P/SA	source test
NOx	BAAQMD 9-10-303	Y		Federal emissions: Refinery-wide emissions: 0.20 lb NOx/MMBTU	None	N	None
All combustion emissions	BAAQMD Condition 1694, Part A.1	Y		heat ratings, firing limits (see condition)	BAAQMD Condition 1694, Part A.5	P/D	records
all combustion emissions	BAAQMD Condition 1694, Part F.2	Y		346.5 MM BTU/hr averaged over any year at S-2, S-3, S-4, S-5, S-7	BAAQMD Condition 1694, Part F.3	P/M	records
O2		Y		No limit	BAAQMD 9-10-502.1	P/SA	source test
CO	BAAQMD 9-10-305	Y		400 ppmv (dry, 3% O_2)	BAAQMD 9-10-502.1	P/SA	source test
Opacity	BAAQMD 6-301	Y		Ringelmann 1 for no more than 3 minutes in any hour (gaseous fuel firing)	None	N	None
	BAAQMD 6-301	Y	4/1/04	Ringelmann 1 for no more than 3 minutes in any hour (liquid fuel firing)	BAAQMD Condition 1694, Part A.2c	P/E (before 1 million gallons of liquid fuel combusted)	visual inspection
	BAAQMD 6-305	Y		Prohibition of nuisance	None	N	None
FP	BAAQMD 6-310.3	Y		0.15 grain/dscf @ 6% O2 (gaseous fuel firing)	None	N	None

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A.2
Applicable Limits and Compliance Monitoring Requirements
S-3 – UNIT 230, B-201 HEATER

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
	BAAQMD 6-310.3	Y	4/1/04	0.15 grain/dscf @ 6% O2 (liquid fuel firing)	BAAQMD Condition 1694, Part A.2c	P/E (before 1 million gallons of liquid fuel combusted)	visual inspection
SO2	BAAQMD Condition 1694, Part A.4	Y		1,558 lb/day SO2 over any month	BAAQMD Condition 1694, Part A.3a	P/3 times per day	TRS analysis
Fuel Flow		Y		No limit	BAAQMD 9-10-502.2	C	Fuel Flowmeter

Table VII – A.3
Applicable Limits and Compliance Monitoring Requirements
S-4 – UNIT 231, B-101 HEATER

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
NOx	BAAQMD 9-10-301	Y		Refinery-wide emissions: 0.033 lb NOx/ MMBTU	BAAQMD 9-10-502.1	P/SA	source test
NOx	BAAQMD 9-10-303	Y		Federal emissions: Refinery-wide emissions: 0.20 lb NOx/MMBTU	None	N	None
All combustion emissions	BAAQMD Condition 1694, Part A.1	Y		heat ratings, firing limits (see condition)	BAAQMD Condition 1694, Part A.5	P/D	records
all combustion emissions	BAAQMD Condition 1694, Part F.2	Y		346.5 MM BTU/hr averaged over any year at S-2, S-3, S-4, S-5, S-7	BAAQMD Condition 1694, Part F.3	P/M	records
O2		Y		No limit	BAAQMD 9-10-502.1	P/SA	source test

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A.3
Applicable Limits and Compliance Monitoring Requirements
S-4 – UNIT 231, B-101 HEATER

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 9-10-502.1	P/SA	source test
Opacity	BAAQMD 6-301	Y		Ringelmann 1 for no more than 3 minutes in any hour	None for gaseous-fueled sources	N	None
	BAAQMD 6-305	Y		Prohibition of nuisance	None	N	None
FP	BAAQMD 6-310.3	Y		0.15 grain/dscf @ 6% O2	None for gaseous-fueled sources	N	None
SO2	BAAQMD Condition 1694, Part A.4	Y		1,558 lb/day SO2 over any month	BAAQMD Condition 1694, Part A.3a	P/3 times per day	TRS analysis
Fuel Flow		Y		No limit	BAAQMD 9-10-502.2	C	Fuel Flowmeter

Table VII – A.4
Applicable Limits and Compliance Monitoring Requirements
S-5 – UNIT 231, B-102 HEATER

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
NOx	BAAQMD 9-10-301	Y		Refinery-wide emissions: 0.033 lb NOx/ MMBTU	BAAQMD 9-10-502.1	P/SA	source test
NOx	BAAQMD 9-10-303	Y		Federal emissions: Refinery-wide emissions: 0.20 lb NOx/MMBTU	None	N	None

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A.4
Applicable Limits and Compliance Monitoring Requirements
S-5 – UNIT 231, B-102 HEATER

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
All combustion emissions	BAAQMD Condition 1694, Part A.1	Y		heat ratings, firing limits (see condition)	BAAQMD Condition 1694, Part A.5	P/D	records
all combustion emissions	BAAQMD Condition 1694, Part F.2	Y		346.5 MM BTU/hr averaged over any year at S-2, S-3, S-4, S-5, S-7	BAAQMD Condition 1694, Part F.3	P/M	records
O2		Y		No limit	BAAQMD 9-10-502.1	P/SA	source test
CO	BAAQMD 9-10-305	Y		400 ppmv (dry, 3% O_2)	BAAQMD 9-10-502.1	P/SA	source test
Opacity	BAAQMD 6-301	Y		Ringelmann 1 for no more than 3 minutes in any hour	None for gaseous-fueled sources	N	None
	BAAQMD 6-305	Y		Prohibition of nuisance	None	N	None
FP	BAAQMD 6-310.3	Y		0.15 grain/dscf @ 6% O2	None for gaseous-fueled sources	N	None
SO2	BAAQMD Condition 1694, Part A.4	Y		1,558 lb/day SO2 over any month	BAAQMD Condition 1694, Part A.3a	P/3 times per day	TRS analysis
Fuel Flow		Y		No limit	BAAQMD 9-10-502.2	C	Fuel Flowmeter

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A.5
Applicable Limits and Compliance Monitoring Requirements
S-7 – UNIT 231, B-103 HEATER

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
NOx	BAAQMD 9-10-301	Y		Refinery-wide emissions: 0.033 lb NOx/ MMBTU	BAAQMD 9-10-502.1	P/SA	source test
NOx	BAAQMD 9-10-303	Y		Federal emissions: Refinery-wide emissions: 0.20 lb NOx/MMBTU	None	N	None
All combustion emissions	BAAQMD Condition 1694, Part A.1	Y		heat ratings, firing limits (see condition)	BAAQMD Condition 1694, Part A.5	P/D	records
all combustion emissions	BAAQMD Condition 1694, Part F.2	Y		346.5 MM BTU/hr averaged over any year at S-2, S-3, S-4, S-5, S-7	BAAQMD Condition 1694, Part F.3	P/M	records
O2		Y		No limit	BAAQMD 9-10-502.1	P/SA	source test
CO	BAAQMD 9-10-305	Y		400 ppmv (dry, 3% O_2)	BAAQMD 9-10-502.1	P/SA	source test
Opacity	BAAQMD 6-301	Y		Ringelmann 1 for no more than 3 minutes in any hour (gaseous fuel firing)	None	N	None
	BAAQMD 6-301	Y	4/1/04	Ringelmann 1 for no more than 3 minutes in any hour (liquid fuel firing)	BAAQMD Condition 1694, Part A.2c	P/E (before 1 million gallons of liquid fuel combusted)	visual inspection
	BAAQMD 6-305	Y		Prohibition of nuisance	None	N	None
FP	BAAQMD 6-310.3	Y		0.15 grain/dscf @ 6% O2 (gaseous fuel firing)	None	N	None

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A.5
Applicable Limits and Compliance Monitoring Requirements
S-7 – UNIT 231, B-103 HEATER

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
	BAAQMD 6-310.3	Y	4/1/04	0.15 grain/dscf @ 6% O2 (liquid fuel firing)	BAAQMD Condition 1694, Part A.2c	P/E (before 1 million gallons of liquid fuel combusted)	visual inspection
SO2	BAAQMD Condition 1694, Part A.4	Y		1,558 lb/day SO2 over any month	BAAQMD Condition 1694, Part A.3a	P/3 times per day	TRS analysis
Fuel Flow		Y		No limit	BAAQMD 9-10-502.2	C	Fuel Flowmeter

Table VII – A.6
Applicable Limits and Compliance Monitoring Requirements
S-8 – UNIT 240, B-1 BOILER

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
NOx		Y		CEM for NOx and O2 or CO2)	BAAQMD 1-520.8	C	CEM
NOx	BAAQMD 9-10-301	Y		Refinery-wide emissions: 0.033 lb NOx/ MMBTU	BAAQMD 9-10-502.1	C	CEM
NOx	BAAQMD 9-10-303	Y		Federal emissions: Refinery-wide emissions: 0.20 lb NOx/MMBTU	None	N	None
All combustion emissions	BAAQMD Condition 1694, Part A.1	Y		heat ratings, firing limits (see condition)	BAAQMD Condition 1694, Part A.5	P/D	records
all combustion emissions	BAAQMD Condition 1694, Part F.1	Y		993.7 MM BTU/hr averaged over any year at S-8, S-9, S-10, S-11, S-12, S-13, S-14	BAAQMD Condition 1694, Part F.3	P/M	records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A.6
Applicable Limits and Compliance Monitoring Requirements
S-8 – UNIT 240, B-1 BOILER

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
O2		Y		CEM for NOx and O2 or CO2	BAAQMD 1-520.8	C	CEM
O2		Y		No limit	BAAQMD 9-10-502.1	C	CEM
CO	BAAQMD 9-10-305	Y		400 ppmv (dry, 3% O_2)	BAAQMD 9-10-502.1	P/SA	source test
Opacity	BAAQMD 6-304	Y		During tube cleaning, Ringelmann No. 2 for 3 min/hr and 6 min/billion BTU in 24 hours; applies to sources rated over 140 MM BTU/hr (with tubes)	None for gaseous-fueled sources	N	None
Opacity	BAAQMD 6-301	Y		Ringelmann 1 for no more than 3 minutes in any hour	None for gaseous-fueled sources	N	None
	BAAQMD 6-305	Y		Prohibition of nuisance	None	N	None
FP	BAAQMD 6-310.3	Y		0.15 grain/dscf @ 6% O2	None for gaseous-fueled sources	N	None
SO2	BAAQMD Condition 1694, Part A.4	Y		1,558 lb/day SO2 over any month	BAAQMD Condition 1694, Part A.3a	P/3 times per day	TRS analysis
Fuel Flow		Y		No limit	BAAQMD 9-10-502.2	C	Fuel Flowmeter

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A.7
Applicable Limits and Compliance Monitoring Requirements
S-9 – UNIT 240, B-2 BOILER

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
NOx	BAAQMD 9-10-301	Y		Refinery-wide emissions: 0.033 lb NOx/ MMBTU	BAAQMD 9-10-502.1	P/SA	source test
NOx	BAAQMD 9-10-303	Y		Federal emissions: Refinery-wide emissions: 0.20 lb NOx/MMBTU	None	N	None
All combustion emissions	BAAQMD Condition 1694, Part A.1	Y		heat ratings, firing limits (see condition)	BAAQMD Condition 1694, Part A.5	P/D	records
all combustion emissions	BAAQMD Condition 1694, Part F.1	Y		993.7 MM BTU/hr averaged over any year at S-8, S-9, S-10, S-11, S-12, S-13, S-14	BAAQMD Condition 1694, Part F.3	P/M	records
O2		Y		No limit	BAAQMD 9-10-502.1	P/SA	source test
CO	BAAQMD 9-10-305	Y		400 ppmv (dry, 3% O_2)	BAAQMD 9-10-502.1	P/SA	source test
Opacity	BAAQMD 6-301	Y		Ringelmann 1 for no more than 3 minutes in any hour	None for gaseous-fueled sources	N	None
	BAAQMD 6-305	Y		Prohibition of nuisance	None	N	None
FP	BAAQMD 6-310.3	Y		0.15 grain/dscf @ 6% O2	None for gaseous-fueled sources	N	None
SO2	BAAQMD Condition 1694, Part A.4	Y		1,558 lb/day SO2 over any month	BAAQMD Condition 1694, Part A.3a	P/3 times per day	TRS analysis
Fuel Flow		Y		No limit	BAAQMD 9-10-502.2	C	Fuel Flowmeter

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A.8
Applicable Limits and Compliance Monitoring Requirements
S-10 – UNIT 240, B-101 HEATER

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
NOx		Y		CEM for NOx and O2 or CO2	BAAQMD 1-520.8	C	CEM
NOx	BAAQMD 9-10-301	Y		Refinery-wide emissions: 0.033 lb NOx/ MMBTU	BAAQMD 9-10-502.1	C	CEM
NOx	BAAQMD 9-10-303	Y		Federal emissions: Refinery-wide emissions: 0.20 lb NOx/MMBTU	None	N	None
All combustion emissions	BAAQMD Condition 1694, Part A.1	Y		heat ratings, firing limits (see condition)	BAAQMD Condition 1694, Part A.5	P/D	records
all combustion emissions	BAAQMD Condition 1694, Part F.1	Y		993.7 MM BTU/hr averaged over any year at S-8, S-9, S-10, S-11, S-12, S-13, S-14	BAAQMD Condition 1694, Part F.3	P/M	records
O2		Y		CEM for NOx and O2 or CO2	BAAQMD 1-520.8	C	CEM
O2		Y		No limit	BAAQMD 9-10-502.1	C	CEM
CO	BAAQMD 9-10-305	Y		400 ppmv (dry, 3% O_2)	BAAQMD 9-10-502.1	P/SA	source test
Opacity	BAAQMD 6-304	Y		During tube cleaning, Ringelmann No. 2 for 3 min/hr and 6 min/billion BTU in 24 hours; applies to sources rated over 140 MM BTU/hr (with tubes)	None for gaseous-fueled sources	N	None
Opacity	BAAQMD 6-301	Y		Ringelmann 1 for no more than 3 minutes in any hour	None for gaseous-fueled sources	N	None

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A.8
Applicable Limits and Compliance Monitoring Requirements
S-10 – UNIT 240, B-101 HEATER

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
	BAAQMD 6-305	Y		Prohibition of nuisance	None	N	None
FP	BAAQMD 6-310.3	Y		0.15 grain/dscf @ 6% O2	None for gaseous-fueled sources	N	None
SO2	BAAQMD Condition 1694, Part A.4	Y		1,558 lb/day SO2 over any month	BAAQMD Condition 1694, Part A.3a	P/3 times per day	TRS analysis
Fuel Flow		Y		No limit	BAAQMD 9-10-502.2	C	Fuel Flowmeter

Table VII – A.9
Applicable Limits and Compliance Monitoring Requirements
S-11 – UNIT 240, B-201 HEATER

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
NOx	BAAQMD 9-10-301	Y		Refinery-wide emissions: 0.033 lb NOx/ MMBTU	BAAQMD 9-10-502.1	P/SA	source test
NOx	BAAQMD 9-10-303	Y		Federal emissions: Refinery-wide emissions: 0.20 lb NOx/MMBTU	None	N	None
All combustion emissions	BAAQMD Condition 1694, Part A.1	Y		heat ratings, firing limits (see condition)	BAAQMD Condition 1694, Part A.5	P/D	records
all combustion emissions	BAAQMD Condition 1694, Part F.1	Y		993.7 MM BTU/hr averaged over any year at S-8, S-9, S-10, S-11, S-12, S-13, S-14	BAAQMD Condition 1694, Part F.3	P/M	records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A.9
Applicable Limits and Compliance Monitoring Requirements
S-11 – UNIT 240, B-201 HEATER

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
O2		Y		No limit	BAAQMD 9-10-502.1	P/SA	source test
CO	BAAQMD 9-10-305	Y		400 ppmv (dry, 3% O_2)	BAAQMD 9-10-502.1	P/SA	source test
Opacity	BAAQMD 6-301	Y		Ringelmann 1 for no more than 3 minutes in any hour	None for gaseous-fueled sources	N	None
	BAAQMD 6-305	Y		Prohibition of nuisance	None	N	None
FP	BAAQMD 6-310.3	Y		0.15 grain/dscf @ 6% O2	None for gaseous-fueled sources	N	None
SO2	BAAQMD Condition 1694, Part A.4	Y		1,558 lb/day SO2 over any month	BAAQMD Condition 1694, Part A.3a	P/3 times per day	TRS analysis
Fuel Flow		Y		No limit	BAAQMD 9-10-502.2	C	Fuel Flowmeter

Table VII – A.10
Applicable Limits and Compliance Monitoring Requirements
S-12 – UNIT 240, B-202 HEATER

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
NOx	BAAQMD 9-10-301	Y		Refinery-wide emissions: 0.033 lb NOx/ MMBTU	BAAQMD 9-10-502.1	P/SA	source test
NOx	BAAQMD 9-10-303	Y		Federal emissions: Refinery-wide emissions: 0.20 lb NOx/MMBTU	None	N	None

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A.10
Applicable Limits and Compliance Monitoring Requirements
S-12 – UNIT 240, B-202 HEATER

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
All combustion emissions	BAAQMD Condition 1694, Part A.1	Y		heat ratings, firing limits (see condition)	BAAQMD Condition 1694, Part A.5	P/D	records
all combustion emissions	BAAQMD Condition 1694, Part F.1	Y		993.7 MM BTU/hr averaged over any year at S-8, S-9, S-10, S-11, S-12, S-13, S-14	BAAQMD Condition 1694, Part F.3	P/M	records
O2		Y		No limit	BAAQMD 9-10-502.1	P/SA	source test
CO	BAAQMD 9-10-305	Y		400 ppmv (dry, 3% O_2)	BAAQMD 9-10-502.1	P/SA	source test
Opacity	BAAQMD 6-301	Y		Ringelmann 1 for no more than 3 minutes in any hour	None for gaseous-fueled sources	N	None
	BAAQMD 6-305	Y		Prohibition of nuisance	None	N	None
FP	BAAQMD 6-310.3	Y		0.15 grain/dscf @ 6% O2	None for gaseous-fueled sources	N	None
SO2	BAAQMD Condition 1694, Part A.4	Y		1,558 lb/day SO2 over any month	BAAQMD Condition 1694, Part A.3a	P/3 times per day	TRS analysis
Fuel Flow		Y		No limit	BAAQMD 9-10-502.2	C	Fuel Flowmeter

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A.11
Applicable Limits and Compliance Monitoring Requirements
S-13 – UNIT 240, B-301 HEATER

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
NOx		Y		CEM for NOx and O2 or CO2	BAAQMD 1-520.8	C	CEM
NOx	BAAQMD 9-10-301	Y		Refinery-wide emissions: 0.033 lb NOx/ MMBTU	BAAQMD 9-10-502.1	C	CEM
NOx	BAAQMD 9-10-303	Y		Federal emissions: Refinery-wide emissions: 0.20 lb NOx/MMBTU	None	N	None
All combustion emissions	BAAQMD Condition 1694, Part A.1	Y		heat ratings, firing limits (see condition)	BAAQMD Condition 1694, Part A.5	P/D	records
all combustion emissions	BAAQMD Condition 1694, Part F.1	Y		993.7 MM BTU/hr averaged over any year at S-8, S-9, S-10, S-11, S-12, S-13, S-14	BAAQMD Condition 1694, Part F.3	P/M	records
O2		Y		CEM for NOx and O2 or CO2	BAAQMD 1-520.8	C	CEM
O2		Y		No limit	BAAQMD 9-10-502.1	C	CEM
CO	BAAQMD 9-10-305	Y		400 ppmv (dry, 3% O_2)	BAAQMD 9-10-502.1	P/SA	source test
Opacity	BAAQMD 6-304	Y		During tube cleaning, Ringelmann No. 2 for 3 min/hr and 6 min/billion BTU in 24 hours; applies to sources rated over 140 MM BTU/hr (with tubes)	None for gaseous-fueled sources	N	None
	BAAQMD 6-305	Y		Prohibition of nuisance	None	N	None

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A.11
Applicable Limits and Compliance Monitoring Requirements
S-13 – UNIT 240, B-301 HEATER

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-301	Y		Ringelmann 1 for no more than 3 minutes in any hour	None for gaseous-fueled sources	N	None
FP	BAAQMD 6-310.3	Y		0.15 grain/dscf @ 6% O2	None for gaseous-fueled sources	N	None
SO2	BAAQMD Condition 1694, Part A.4	Y		1,558 lb/day SO2 over any month	BAAQMD Condition 1694, Part A.3a	P/3 times per day	TRS analysis
Fuel Flow		Y		No limit	BAAQMD 9-10-502.2	C	Fuel Flowmeter

Table VII – A.12
Applicable Limits and Compliance Monitoring Requirements
S-14 – UNIT 240, B-401 HEATER

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
NOx		Y		CEM for NOx and O2 or CO2	BAAQMD 1-520.8	C	CEM
NOx	BAAQMD 9-10-301	Y		Refinery-wide emissions: 0.033 lb NOx/ MMBTU	BAAQMD 9-10-502.1	C	CEM
NOx	BAAQMD 9-10-303	Y		Federal emissions: Refinery-wide emissions: 0.20 lb NOx/MMBTU	None	N	None
All combustion emissions	BAAQMD Condition 1694, Part A.1	Y		heat ratings, firing limits (see condition)	BAAQMD Condition 1694, Part A.5	P/D	records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A.12
Applicable Limits and Compliance Monitoring Requirements
S-14 – UNIT 240, B-401 HEATER

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
all combustion emissions	BAAQMD Condition 1694, Part F.1	Y		993.7 MM BTU/hr averaged over any year at S-8, S-9, S-10, S-11, S-12, S-13, S-14	BAAQMD Condition 1694, Part F.3	P/M	records
O2		Y		CEM for NOx and O2 or CO2	BAAQMD 1-520.8	C	CEM
		Y		No limit	BAAQMD 9-10-502.1	C	CEM
CO	BAAQMD 9-10-305	Y		400 ppmv (dry, 3% O_2)	BAAQMD 9-10-502.1	P/SA	source test
Opacity	BAAQMD 6-304	Y		During tube cleaning, Ringelmann No. 2 for 3 min/hr and 6 min/billion BTU in 24 hours; applies to sources rated over 140 MM BTU/hr (with tubes)	None for gaseous-fueled sources	N	None
	BAAQMD 6-305	Y		Prohibition of nuisance	None	N	None
Opacity	BAAQMD 6-301	Y		Ringelmann 1 for no more than 3 minutes in any hour	None for gaseous-fueled sources	N	None
FP	BAAQMD 6-310.3	Y		0.15 grain/dscf @ 6% O2	None for gaseous-fueled sources	N	None
SO2	BAAQMD Condition 1694, Part A.4	Y		1,558 lb/day SO2 over any month	BAAQMD Condition 1694, Part A.3a	P/3 times per day	TRS analysis
Fuel Flow		Y		No limit	BAAQMD 9-10-502.2	C	Fuel Flowmeter

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A.13
Applicable Limits and Compliance Monitoring Requirements
S-15 – UNIT 244, B-501 HEATER

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
NOx	BAAQMD 9-10-301	Y		Refinery-wide emissions: 0.033 lb NOx/ MMBTU	BAAQMD 9-10-502.1	C	CEM
NOx	BAAQMD 9-10-303	Y		Federal emissions: Refinery-wide emissions: 0.20 lb NOx/MMBTU	None	N	None
All combustion emissions	BAAQMD Condition 1694, Part A.1	Y		heat ratings, firing limits (see condition)	BAAQMD Condition 1694, Part A.5	P/D	records
O2		Y		No limit	BAAQMD 9-10-502.1	C	CEM
		Y		CEM for NOx and O2 or CO2	BAAQMD 1-520.8	C	CEM
CO	BAAQMD 9-10-305	Y		400 ppmv (dry, 3% O_2)	BAAQMD 9-10-502.1	P/SA	source test
Opacity	BAAQMD 6-301	Y		Ringelmann 1 for no more than 3 minutes in any hour	None for gaseous-fueled sources	N	None
	BAAQMD 6-305	Y		Prohibition of nuisance	None	N	None
FP	BAAQMD 6-310.3	Y		0.15 grain/dscf @ 6% O2	None for gaseous-fueled sources	N	None
SO2	BAAQMD Condition 1694, Part A.4	Y		1,558 lb/day SO2 over any month	BAAQMD Condition 1694, Part A.3a	P/3 times per day	TRS analysis
Fuel Flow		Y		No limit	BAAQMD 9-10-502.2	C	Fuel Flowmeter

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A.13
Applicable Limits and Compliance Monitoring Requirements
S-15 – UNIT 244, B-501 HEATER

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
throughput	BAAQMD Condition 20989, Part A	Y		6.0 E 6 therm/yr	BAAQMD Condition 20989, Part A	P/M	records

Table VII – A.14
Applicable Limits and Compliance Monitoring Requirements
S-16 – UNIT 244, B-502 HEATER

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
NOx	BAAQMD 9-10-301	Y		Refinery-wide emissions: 0.033 lb NOx/ MMBTU	BAAQMD 9-10-502.1	C	
NOx	BAAQMD 9-10-303	Y		Federal emissions: Refinery-wide emissions: 0.20 lb NOx/MMBTU	None	N	None
All combustion emissions	BAAQMD Condition 1694, Part A.1	Y		heat ratings, firing limits (see condition)	BAAQMD Condition 1694, Part A.5	P/D	records
O2		Y		No limit	BAAQMD 9-10-502.1	C	CEM
		Y		CEM for NOx and O2 or CO2	BAAQMD 1-520.8	C	CEM
CO	BAAQMD 9-10-305	Y		400 ppmv (dry, 3% O_2)	BAAQMD 9-10-502.1	P/SA	source test
Opacity	BAAQMD 6-301	Y		Ringelmann 1 for no more than 3 minutes in any hour	None for gaseous-fueled sources	N	None
	BAAQMD 6-305	Y		Prohibition of nuisance	None	N	None

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A.14
Applicable Limits and Compliance Monitoring Requirements
S-16 – UNIT 244, B-502 HEATER

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 6-310.3	Y		0.15 grain/dscf @ 6% O2	None for gaseous-fueled sources	N	None
SO2	BAAQMD Condition 1694, Part A.4	Y		1,558 lb/day SO2 over any month	BAAQMD Condition 1694, Part A.3a	P/3 times per day	TRS analysis
Fuel Flow		Y		No limit	BAAQMD 9-10-502.2	C	Fuel Flowmeter
throughput	BAAQMD Condition 20989, Part A	Y		6.7 E 6 therm/yr	BAAQMD Condition 20989, Part A	P/M	records

Table VII – A.15
Applicable Limits and Compliance Monitoring Requirements
S-17 – UNIT 244, B-503 HEATER

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
NOx	BAAQMD 9-10-301	Y		Refinery-wide emissions: 0.033 lb NOx/ MMBTU	BAAQMD 9-10-502.1	C	CEM
NOx	BAAQMD 9-10-303	Y		Federal emissions: Refinery-wide emissions: 0.20 lb NOx/MMBTU	None	N	None
All combustion emissions	BAAQMD Condition 1694, Part A.1	Y		heat ratings, firing limits (see condition)	BAAQMD Condition 1694, Part A.5	P/D	records
O2		Y		No limit	BAAQMD 9-10-502.1	C	CEM

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A.15
Applicable Limits and Compliance Monitoring Requirements
S-17 – UNIT 244, B-503 HEATER

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
		Y		CEM for NOx and O2 or CO2	BAAQMD 1-520.8	C	CEM
CO	BAAQMD 9-10-305	Y		400 ppmv (dry, 3% O_2)	BAAQMD 9-10-502.1	P/SA	source test
Opacity	BAAQMD 6-301	Y		Ringelmann 1 for no more than 3 minutes in any hour	None for gaseous-fueled sources	N	None
	BAAQMD 6-305	Y		Prohibition of nuisance	None	N	None
FP	BAAQMD 6-310.3	Y		0.15 grain/dscf @ 6% O2	None for gaseous-fueled sources	N	None
SO2	BAAQMD Condition 1694, Part A.4	Y		1,558 lb/day SO2 over any month	BAAQMD Condition 1694, Part A.3a	P/3 times per day	TRS analysis
Fuel Flow		Y		No limit	BAAQMD 9-10-502.2	C	Fuel Flowmeter
throughput	BAAQMD Condition 20989, Part A	Y		4.7 E 6 therm/yr	BAAQMD Condition 20989, Part A	P/M	records

Table VII – A.16
Applicable Limits and Compliance Monitoring Requirements
S-18 – UNIT 244, B-504 HEATER

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
NOx	BAAQMD 9-10-301	Y		Refinery-wide emissions: 0.033 lb NOx/ MMBTU	BAAQMD 9-10-502.1	C	CEM

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A.16
Applicable Limits and Compliance Monitoring Requirements
S-18 – UNIT 244, B-504 HEATER

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
NOx	BAAQMD 9-10-303	Y		Federal emissions: Refinery-wide emissions: 0.20 lb NOx/MMBTU	None	N	None
All combustion emissions	BAAQMD Condition 1694, Part A.1	Y		heat ratings, firing limits (see condition)	BAAQMD Condition 1694, Part A.5	P/D	records
O2		Y		No limit	BAAQMD 9-10-502.1	C	CEM
		Y		CEM for NOx and O2 or CO2	BAAQMD 1-520.8	C	CEM
CO	BAAQMD 9-10-305	Y		400 ppmv (dry, 3% O_2)	BAAQMD 9-10-502.1	P/SA	source test
Opacity	BAAQMD 6-301	Y		Ringelmann 1 for no more than 3 minutes in any hour	None for gaseous-fueled sources	N	None
	BAAQMD 6-305	Y		Prohibition of nuisance	None	N	None
FP	BAAQMD 6-310.3	Y		0.15 grain/dscf @ 6% O2	None for gaseous-fueled sources	N	None
SO2	BAAQMD Condition 1694, Part A.4	Y		1,558 lb/day SO2 over any month	BAAQMD Condition 1694, Part A.3a	P/3 times per day	TRS analysis
Fuel Flow		Y		No limit	BAAQMD 9-10-502.2	C	Fuel Flowmeter
throughput	BAAQMD Condition 20989, Part A	Y		1.9 E 6 therm/yr	BAAQMD Condition 20989, Part A	P/M	records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A.17
Applicable Limits and Compliance Monitoring Requirements
S-19 – UNIT 244, B-505 HEATER

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
NOx	BAAQMD 9-10-301	Y		Refinery-wide emissions: 0.033 lb NOx/ MMBTU	BAAQMD 9-10-502.1	C	CEM
NOx	BAAQMD 9-10-303	Y		Federal emissions: Refinery-wide emissions: 0.20 lb NOx/MMBTU	None	N	None
All combustion emissions	BAAQMD Condition 1694, Part A.1	Y		heat ratings, firing limits (see condition)	BAAQMD Condition 1694, Part A.5	P/D	records
O2		Y		No limit	BAAQMD 9-10-502.1	C	CEM
		Y		CEM for NOx and O2 or CO2	BAAQMD 1-520.8	C	CEM
CO	BAAQMD 9-10-305	Y		400 ppmv (dry, 3% O_2)	BAAQMD 9-10-502.1	P/SA	source test
Opacity	BAAQMD 6-301	Y		Ringelmann 1 for no more than 3 minutes in any hour	None for gaseous-fueled sources	N	None
	BAAQMD 6-305	Y		Prohibition of nuisance	None	N	None
FP	BAAQMD 6-310.3	Y		0.15 grain/dscf @ 6% O2	None for gaseous-fueled sources	N	None
SO2	BAAQMD Condition 1694, Part A.4	Y		1,558 lb/day SO2 over any month	BAAQMD Condition 1694, Part A.3a	P/3 times per day	TRS analysis
Fuel Flow		Y		No limit	BAAQMD 9-10-502.2	C	Fuel Flowmeter

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A.17
Applicable Limits and Compliance Monitoring Requirements
S-19 – UNIT 244, B-505 HEATER

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
throughput	BAAQMD Condition 20989, Part A	Y		0.6 E 6 therm/yr	BAAQMD Condition 20989, Part A	P/M	records

Table VII – A.18
Applicable Limits and Compliance Monitoring Requirements
S-20 – UNIT 244, B-506 HEATER

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
NOx	BAAQMD 9-10-301	Y		Refinery-wide emissions: 0.033 lb NOx/ MMBTU	BAAQMD 9-10-502.1	P/A	source test
NOx	BAAQMD 9-10-303	Y		Federal emissions: Refinery-wide emissions: 0.20 lb NOx/MMBTU	None	N	None
All combustion emissions	BAAQMD Condition 1694, Part A.1	Y		heat ratings, firing limits (see condition)	BAAQMD Condition 1694, Part A.5	P/D	records
O2		Y		No limit	BAAQMD 9-10-502.1	P/A	source test
CO	BAAQMD 9-10-305	Y		400 ppmv (dry, 3% O_2)	BAAQMD 9-10-502.1	P/A	source test
Opacity	BAAQMD 6-301	Y		Ringelmann 1 for no more than 3 minutes in any hour	None for gaseous-fueled sources	N	None
	BAAQMD 6-305	Y		Prohibition of nuisance	None	N	None

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A.18
Applicable Limits and Compliance Monitoring Requirements
S-20 – UNIT 244, B-506 HEATER

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 6-310.3	Y		0.15 grain/dscf @ 6% O2	None for gaseous-fueled sources	N	None
SO2	BAAQMD Condition 1694, Part A.4	Y		1,558 lb/day SO2 over any month	BAAQMD Condition 1694, Part A.3a	P/3 times per day	TRS analysis
Fuel Flow		Y		No limit	BAAQMD 9-10-502.2	C	Fuel Flowmeter
throughput	BAAQMD Condition 20989, Part A	Y		1.9 E 6 therm/yr	BAAQMD Condition 20989, Part A	P/M	records

Table VII – A.19
Applicable Limits and Compliance Monitoring Requirements
S-21 – UNIT 244, B-507 HEATER

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
All combustion emissions	BAAQMD Condition 1694, Part A.1	N		heat ratings, firing limits (see condition)	BAAQMD Condition 1694, Part A.5	P/D	records
Opacity	BAAQMD 6-301	Y		Ringelmann 1 for no more than 3 minutes in any hour	None for gaseous-fueled sources	N	None

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A.19
Applicable Limits and Compliance Monitoring Requirements
S-21 – UNIT 244, B-507 HEATER

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
	BAAQMD 6-305	Y		Prohibition of Nuisance	None for gaseous-fueled sources	N	None
FP	BAAQMD 6-310.3	Y		0.15 grain/dscf @ 6% O2	None for gaseous-fueled sources	N	None
SO2	BAAQMD Condition 1694, Part A.4	Y		1,558 lb/day SO2 over any month	BAAQMD Condition 1694, Part A.3a	P/3 times per day	TRS analysis
throughput	BAAQMD Condition 20989, Part A	Y		0.7 E 6 therm/yr	BAAQMD Condition 20989, Part A	P/M	records

Table VII – A.20
Applicable Limits and Compliance Monitoring Requirements
S-22 – UNIT 248, B-606 HEATER

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
NOx	BAAQMD 9-10-301	Y		Refinery-wide emissions: 0.033 lb NOx/ MMBTU	BAAQMD 9-10-502.1	P/SA	source test
NOx	BAAQMD 9-10-303	Y		Federal emissions: Refinery-wide emissions: 0.20 lb NOx/MMBTU	None	N	None

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A.20
Applicable Limits and Compliance Monitoring Requirements
S-22 – UNIT 248, B-606 HEATER

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
All combustion emissions	BAAQMD Condition 1694, Part A.1	Y		heat ratings, firing limits (see condition)	BAAQMD Condition 1694, Part A.5	P/D	records
O2		Y		No limit	BAAQMD 9-10-502.1	P/SA	source test
CO	BAAQMD 9-10-305	Y		400 ppmv (dry, 3% O_2)	BAAQMD 9-10-502.1	P/SA	source test
Opacity	BAAQMD 6-301	Y		Ringelmann 1 for no more than 3 minutes in any hour	None for gaseous-fueled sources	N	None
	BAAQMD 6-305	Y		Prohibition of nuisance	None	N	None
FP	BAAQMD 6-310.3	Y		0.15 grain/dscf @ 6% O2	None for gaseous-fueled sources	N	None
SO2	BAAQMD Condition 1694, Part A.4	Y		1,558 lb/day SO2 over any month	BAAQMD Condition 1694, Part A.3a	P/3 times per day	TRS analysis
Fuel Flow		Y		No limit	BAAQMD 9-10-502.2	C	Fuel Flowmeter
throughput	BAAQMD Condition 20989, Part A	Y		2.6 E 6 therm/yr	BAAQMD Condition 20989, Part A	P/M	records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A.21
Applicable Limits and Compliance Monitoring Requirements
S-29 – UNIT 200, B-5 HEATER

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
NOx	BAAQMD 9-10-301	Y		Refinery-wide emissions: 0.033 lb NOx/ MMBTU	BAAQMD 9-10-502.1	P/SA	source test
NOx	BAAQMD 9-10-303	Y		Federal emissions: Refinery-wide emissions: 0.20 lb NOx/MMBTU	None	N	None
All combustion emissions	BAAQMD Condition 1694, Part A.1	Y		heat ratings, firing limits (see condition)	BAAQMD Condition 1694, Part A.5	P/D	records
O2		Y		No limit	BAAQMD 9-10-502.1	P/SA	source test
CO	BAAQMD 9-10-305	Y		400 ppmv (dry, 3% O_2)	BAAQMD 9-10-502.1	P/SA	source test
Opacity	BAAQMD 6-301	Y		Ringelmann 1 for no more than 3 minutes in any hour	None for gaseous-fueled sources	N	None
	BAAQMD 6-305	Y		Prohibition of nuisance	None	N	None
FP	BAAQMD 6-310.3	Y		0.15 grain/dscf @ 6% O2	None for gaseous-fueled sources	N	None
SO2	BAAQMD Condition 1694, Part A.4	Y		1,558 lb/day SO2 over any month	BAAQMD Condition 1694, Part A.3a	P/3 times per day	TRS analysis
Fuel Flow		Y		No limit	BAAQMD 9-10-502.2	C	Fuel Flowmeter

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A.21
Applicable Limits and Compliance Monitoring Requirements
S-29 – UNIT 200, B-5 HEATER

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
throughput	BAAQMD Condition 20989, Part A	Y		8.6 E 6 therm/yr	BAAQMD Condition 20989, Part A	P/M	records

Table VII – A.22
Applicable Limits and Compliance Monitoring Requirements
S-30 – UNIT 200, B-101 HEATER

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
NOx	BAAQMD 9-10-301	Y		Refinery-wide emissions: 0.033 lb NOx/ MMBTU	BAAQMD 9-10-502.1	P/SA	source test
NOx	BAAQMD 9-10-303	Y		Federal emissions: Refinery-wide emissions: 0.20 lb NOx/MMBTU	None	N	None
All combustion emissions	BAAQMD Condition 1694, Part A.1	Y		heat ratings, firing limits (see condition)	BAAQMD Condition 1694, Part A.5	P/D	records
O2		Y		No limit	BAAQMD 9-10-502.1	P/SA	source test
CO	BAAQMD 9-10-305	Y		400 ppmv (dry, 3% O_2)	BAAQMD 9-10-502.1	P/SA	source test
Opacity	BAAQMD 6-301	Y		Ringelmann 1 for no more than 3 minutes in any hour	None for gaseous-fueled sources	N	None
	BAAQMD 6-305	Y		Prohibition of nuisance	None	N	None

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A.22
Applicable Limits and Compliance Monitoring Requirements
S-30 – UNIT 200, B-101 HEATER

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 6-310.3	Y		0.15 grain/dscf @ 6% O2	None for gaseous-fueled sources	N	None
SO2	BAAQMD Condition 1694, Part A.4	Y		1,558 lb/day SO2 over any month	BAAQMD Condition 1694, Part A.3a	P/3 times per day	TRS analysis
Fuel Flow		Y		No limit	BAAQMD 9-10-502.2	C	Fuel Flowmeter
throughput	BAAQMD Condition 20989, Part A	Y		4.2 E 6 therm/yr	BAAQMD Condition 20989, Part A	P/M	records

Table VII – A.23
Applicable Limits and Compliance Monitoring Requirements
S-31 – UNIT 200, B-501 HEATER

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
NOx	BAAQMD 9-10-301	Y		Refinery-wide emissions: 0.033 lb NOx/ MMBTU	BAAQMD 9-10-502.1	P/A	source test
NOx	BAAQMD 9-10-303	Y		Federal emissions: Refinery-wide emissions: 0.20 lb NOx/MMBTU	None	N	None
All combustion emissions	BAAQMD Condition 1694, Part A.1	Y		heat ratings, firing limits (see condition)	BAAQMD Condition 1694, Part A.5	P/D	records
O2		Y		No limit	BAAQMD 9-10-502.1	P/A	source test

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A.23
Applicable Limits and Compliance Monitoring Requirements
S-31 – UNIT 200, B-501 HEATER

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 9-10-502.1	P/A	source test
Opacity	BAAQMD 6-301	Y		Ringelmann 1 for no more than 3 minutes in any hour	None for gaseous-fueled sources	N	None
	BAAQMD 6-305	Y		Prohibition of nuisance	None	N	None
FP	BAAQMD 6-310.3	Y		0.15 grain/dscf @ 6% O2	None for gaseous-fueled sources	N	None
SO2	BAAQMD Condition 1694, Part A.4	Y		1,558 lb/day SO2 over any month	BAAQMD Condition 1694, Part A.3a	P/3 times per day	TRS analysis
Fuel Flow		Y		No limit	BAAQMD 9-10-502.2	C	Fuel Flowmeter
throughput	BAAQMD Condition 20989, Part A	Y		1.7 E 6 therm/yr	BAAQMD Condition 20989, Part A	P/M	records

Table VII – A.24
Applicable Limits and Compliance Monitoring Requirements
S-43 – UNIT 200, B-202 HEATER

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
NOx		Y		CEM for NOx and O2 or CO2	BAAQMD 1-520.8	C	CEM
NOx	BAAQMD 9-10-301	Y		Refinery-wide emissions: 0.033 lb NOx/ MMBTU	BAAQMD 9-10-502.1	C	CEM

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A.24
Applicable Limits and Compliance Monitoring Requirements
S-43 – UNIT 200, B-202 HEATER

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
NOx	BAAQMD 9-10-303	Y		Federal emissions: Refinery-wide emissions: 0.20 lb NOx/MMBTU	None	N	None
NOx	BAAQMD Condition 1694, Part D.2	Y		40 ppmv NOx at 3% O2 over any 8 hours, except startups and shutdowns, at S-43, S-44	BAAQMD 1-520.8	C	NOx, O2 CEM
All combustion emissions	BAAQMD Condition 1694, Part A.1	Y		heat ratings, firing limits (see condition)	BAAQMD Condition 1694, Part A.5	P/D	records
O2		Y		CEM for NOx and O2 or CO2	BAAQMD 1-520.8	C	CEM
O2		Y		No limit	BAAQMD 9-10-502.1	C	CEM
O2		Y		No limit	BAAQMD Condition 1694, Part D4	C	CEM
CO	BAAQMD 9-10-305	Y		400 ppmv (dry, 3% O_2)	BAAQMD 9-10-502.1	P/SA	source test
CO	BAAQMD Condition 1694, Part D.3	Y		50 ppmv CO at 3% O2 over any month, except startups and shutdowns, at S-43, S-44	BAAQMD 9-10-502.1	P/SA	source test
Opacity	BAAQMD 6-304	Y		During tube cleaning, Ringelmann No. 2 for 3 min/hr and 6 min/billion BTU in 24 hours; applies to sources rated over 140 MM BTU/hr (with tubes)	None for gaseous-fueled sources	N	None

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A.24
Applicable Limits and Compliance Monitoring Requirements
S-43 – UNIT 200, B-202 HEATER

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-301	Y		Ringelmann 1 for no more than 3 minutes in any hour	None for gaseous-fueled sources	N	None
	BAAQMD 6-305	Y		Prohibition of nuisance	None	N	None
FP	BAAQMD 6-310.3	Y		0.15 grain/dscf @ 6% O2	None for gaseous-fueled sources	N	None
SO2	BAAQMD Condition 1694, Part A.4	Y		1,558 lb/day SO2 over any month	BAAQMD Condition 1694, Part A.3a	P/3 times per day	TRS analysis
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; this requirement applies to sources installed/modified after 6/11/73 and burning refinery gas	40 CFR 60 Subpart J,60.105(a)(4)	C	H2S analyzer
Fuel Flow		Y		No limit	BAAQMD 9-10-502.2	C	Fuel Flowmeter
throughput	BAAQMD Condition 20989, Part A	Y		19.1 E 6 therm/yr	BAAQMD Condition 20989, Part A	P/M	records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A.25
Applicable Limits and Compliance Monitoring Requirements
S-44 – UNIT 200, B-201 HEATER

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
NOx		Y		CEM for NOx and O2 or CO2	BAAQMD 1-520.8	C	CEM
NOx	BAAQMD 9-10-301	Y		Refinery-wide emissions: 0.033 lb NOx/ MMBTU	BAAQMD 9-10-502.1	C	CEM
NOx	BAAQMD 9-10-303	Y		Federal emissions: Refinery-wide emissions: 0.20 lb NOx/MMBTU	None	N	None
NOx	BAAQMD Condition 1694, Part D.2	Y		40 ppmv NOx at 3% O2 over any 8 hours, except startups and shutdowns, at S-43, S-44	BAAQMD Condition 1694, Part D.4	C	CEM
All combustion emissions	BAAQMD Condition 1694, Part A.1	Y		heat ratings, firing limits (see condition)	BAAQMD Condition 1694, Part A.5	P/D	records
O2		Y		CEM for NOx and O2 or CO2	BAAQMD 1-520.8	C	CEM
O2		Y		No limit	BAAQMD 9-10-502.1	C	CEM
O2		Y		No limit	BAAQMD Condition 1694, Part D.4	C	CEM
CO	BAAQMD 9-10-305	Y		400 ppmv (dry, 3% O_2)	BAAQMD 9-10-502.1	P/SA	source test
CO	BAAQMD Condition 1694, Part D.3	Y		50 ppmv CO at 3% O2 over any month, except startups and shutdowns, at S-43, S-44	BAAQMD 9-10-502.1	P/SA	source test
Opacity	BAAQMD 6-301	Y		Ringelmann 1 for no more than 3 minutes in any hour	None for gaseous-fueled sources	N	None

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A.25
Applicable Limits and Compliance Monitoring Requirements
S-44 – UNIT 200, B-201 HEATER

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
	BAAQMD 6-305	Y		Prohibition of nuisance	None	N	None
FP	BAAQMD 6-310.3	Y		0.15 grain/dscf @ 6% O2	None for gaseous-fueled sources	N	None
SO2	BAAQMD Condition 1694, Part A.4	Y		1,558 lb/day SO2 over any month	BAAQMD Condition 1694, Part A.3a	P/3 times per day	TRS analysis
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; this requirement applies to sources installed/modified after 6/11/73 and burning refinery gas	40 CFR 60 Subpart J 60.105(a)(4)	C	H2S analyzer
Fuel Flow		Y		No limit	BAAQMD 9-10-502.2	C	Fuel Flowmeter
throughput	BAAQMD Condition 20989, Part A	Y		3.8 E 6 therm/yr	BAAQMD Condition 20989, Part A	P/M	records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A.26
Applicable Limits and Compliance Monitoring Requirements
S-50, S-51, S-52 – TURBINE STARTUP ENGINES

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-303.1	Y		Ringelmann No. 2 for no more than 3 minutes in any hour	None	N	N/A
	BAAQMD 6-305	Y		Prohibition of nuisance	None	N	None
FP	BAAQMD 6-310	Y		0.15 gr/dscf	None	N	N/A
Hours of operation	9-8-111.1	Y		Exemptions: Engines rated at or below 1000 brake horsepower which operate less than 200 hours in any 12-consecutive month period	BAAQMD 9-8-502	P/M	records
Hours of operation	BAAQMD Condition 19488, Part 1	N		up to 100 hour/yr	BAAQMD Condition 19488, Part 2	P/M	records
SO2	BAAQMD 9-1-304	Y		Fuel Sulfur Limit 0.5% by weight	None	P/E	fuel certification

Table VII – A.27
Applicable Limits and Compliance Monitoring Requirements
S-53, S-54, S-55, S-56, S-57, S-58, S-59 – EMERGENCY DIESEL ENGINES

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-303.1	Y		Ringelmann No. 2 for no more than 3 minutes in any hour	None	N	N/A
	BAAQMD 6-305	Y		Prohibition of nuisance	None	N	None

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A.27
Applicable Limits and Compliance Monitoring Requirements
S-53, S-54, S-55, S-56, S-57, S-58, S-59 – EMERGENCY DIESEL ENGINES

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
FP	BAAQMD 6-310	Y		0.15 gr/dscf	None	N	N/A
Hours of operation	BAAQMD Condition 19488, Part 3	N		up to 100 hour/yr (non-emergency)	BAAQMD Condition 19488, Part 6	C	totalizing meter
Hours of operation	BAAQMD 9-8-330	N		up to 100 hours for reliability testing	BAAQMD 9-8-530	C	totalizing meter
SO2	BAAQMD 9-1-304	Y		Fuel Sulfur Limit 0.5% by weight	None	P/E	fuel certification

Table VII – A.28
Applicable Limits and Compliance Monitoring Requirements
S-336 – UNIT 231, B-104 HEATER

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
NOx	BAAQMD 9-10-301	Y		Refinery-wide emissions: 0.033 lb NOx/ MMBTU	BAAQMD 9-10-502.1	P/SA	semi-annual source test
NOx	BAAQMD 9-10-303	Y		Federal emissions: Refinery-wide emissions: 0.20 lb NOx/MMBTU	None	N	None
All combustion emissions	BAAQMD Condition 1694, Part A.1	Y		heat ratings, firing limits (see condition)	BAAQMD Condition 1694, Part A.5	P/D	records
O2		Y		No limit	BAAQMD 9-10-502.1	P/SA	source test
CO	BAAQMD 9-10-305	Y		400 ppmv (dry, 3% O_2)	BAAQMD 9-10-502.1	P/SA	source test

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A.28
Applicable Limits and Compliance Monitoring Requirements
S-336 – UNIT 231, B-104 HEATER

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-301	Y		Ringelmann 1 for no more than 3 minutes in any hour	None for gaseous-fueled sources	N	None
	BAAQMD 6-305	Y		Prohibition of nuisance	None	N	None
FP	BAAQMD 6-310.3	Y		0.15 grain/dscf @ 6% O2	None for gaseous-fueled sources	N	None
SO2	BAAQMD Condition 1694, Part A.4	Y		1,558 lb/day SO2 over any month	BAAQMD Condition 1694, Part A.3a	P/3 times per day	TRS analysis
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; this requirement applies to sources installed/modified after 6/11/73 and burning refinery gas	40 CFR 60 Subpart J 60.105(a)(4)	C	H2S analyzer
Fuel Flow		Y		No limit	BAAQMD 9-10-502.2	C	Fuel Flowmeter
throughput	BAAQMD Condition 20989, Part A	Y		9.2 E 6 therm/yr	BAAQMD Condition 20989, Part A	P/M	records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A.29
Applicable Limits and Compliance Monitoring Requirements
S-337 – UNIT 231, B-105 HEATER

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
NOx	BAAQMD 9-10-301	Y		Refinery-wide emissions: 0.033 lb NOx/ MMBTU	BAAQMD 9-10-502.1	P/SA	source test
NOx	BAAQMD 9-10-303	Y		Federal emissions: Refinery-wide emissions: 0.20 lb NOx/MMBTU	None	N	None
All combustion emissions	BAAQMD Condition 1694, Part A.1	Y		heat ratings, firing limits (see condition)	BAAQMD Condition 1694, Part A.5	P/D	records
O2		Y		No limit	BAAQMD 9-10-502.1	P/SA	source test
CO	BAAQMD 9-10-305	Y		400 ppmv (dry, 3% O_2)	BAAQMD 9-10-502.1	P/SA	source test
Opacity	BAAQMD 6-301	Y		Ringelmann 1 for no more than 3 minutes in any hour	None for gaseous-fueled sources	N	None
	BAAQMD 6-305	Y		Prohibition of nuisance	None	N	None
FP	BAAQMD 6-310.3	Y		0.15 grain/dscf @ 6% O2	None for gaseous-fueled sources	N	None
SO2	BAAQMD Condition 1694, Part A.4	Y		1,558 lb/day SO2 over any month	BAAQMD Condition 1694, Part A.3a	P/3 times per day	TRS analysis

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A.29
Applicable Limits and Compliance Monitoring Requirements
S-337 – UNIT 231, B-105 HEATER

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; this requirement applies to sources installed/modified after 6/11/73 and burning refinery gas	40 CFR 60 Subpart J 60.105(a)(4)	C	H2S analyzer
Fuel Flow		Y		No limit	BAAQMD 9-10-502.2	C	Fuel Flowmeter
throughput	BAAQMD Condition 20989, Part A	Y		2.8 E 6 therm/yr	BAAQMD Condition 20989, Part A	P/M	records

Table VII – A.30
Applicable Limits and Compliance Monitoring Requirements
S-351 – UNIT 267, B-601/602 HEATERS

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 and O2 or CO2	BAAQMD 1-520.8	C	CEM
NOx	BAAQMD 9-10-301	Y		Refinery-wide emissions: 0.033 lb NOx/ MMBTU	BAAQMD 9-10-502.1	C	CEM
NOx	BAAQMD 9-10-303	Y		Federal emissions: Refinery-wide emissions: 0.20 lb NOx/MMBTU	None	N	None

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A.30
Applicable Limits and Compliance Monitoring Requirements
S-351 – UNIT 267, B-601/602 HEATERS

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
NOx	BAAQMD Condition 1694, Part B.2	Y		20 ppmv NOx at 3% O2 over any 3 hours, except startups and shutdowns, at S-351	BAAQMD Condition 1694, Part B.3	C	NOx, O2 CEM
All combustion emissions	BAAQMD Condition 1694, Part A.1	Y		heat ratings, firing limits (see condition)	BAAQMD Condition 1694, Part A.5	P/D	records
O2		Y		CEM for NOx and O2 or CO2	BAAQMD 1-520.8	C	CEM
O2		Y		No limit	BAAQMD 9-10-502.1	C	CEM
CO	BAAQMD 9-10-305	Y		400 ppmv (dry, 3% O_2)	BAAQMD 9-10-502.1	P/SA	source test
Opacity	BAAQMD 6-301	Y		Ringelmann 1 for no more than 3 minutes in any hour	None for gaseous-fueled sources	N	None
	BAAQMD 6-305	Y		Prohibition of nuisance	None	N	None
FP	BAAQMD 6-310.3	Y		0.15 grain/dscf @ 6% O2	None for gaseous-fueled sources	N	None
SO2	BAAQMD Condition 1694, Part A.4	Y		1,558 lb/day SO2 over any month	BAAQMD Condition 1694, Part A.3a	P/3 times per day	TRS analysis

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A.30
Applicable Limits and Compliance Monitoring Requirements
S-351 – UNIT 267, B-601/602 HEATERS

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; this requirement applies to sources installed/modified after 6/11/73 and burning refinery gas	40 CFR 60 Subpart J, 60.105(a)(4)	C	H2S analyzer
Fuel Flow		Y		No limit	BAAQMD 9-10-502.2	C	Fuel Flowmeter
throughput	BAAQMD Condition 20989, Part A	Y		8.4 E 6 therm/yr	BAAQMD Condition 20989, Part A	P/M	records

Table VII – A.31
Applicable Limits and Compliance Monitoring Requirements
S-371 – UNIT 228, B-520 FURNACE

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 and O2 or CO2	BAAQMD 1-520.8	C	CEM
NOx	BAAQMD 9-10-301	Y		Refinery-wide emissions: 0.033 lb NOx/ MMBTU	BAAQMD 9-10-502.1	C	CEM
NOx	BAAQMD 9-10-303	Y		Federal emissions: Refinery-wide emissions: 0.20 lb NOx/MMBTU	None	N	None

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A.31
Applicable Limits and Compliance Monitoring Requirements
S-371 – UNIT 228, B-520 FURNACE

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
NOx	BAAQMD Condition 1694, Part C.2	Y		20 ppmv NOx at 3% O2 over any 3 hours, except startups and shutdowns	BAAQMD 1-520.8	C	CEM
All combustion emissions	BAAQMD Condition 1694, Part A.1	Y		heat ratings, firing limits (see condition)	BAAQMD Condition 1694, Part A.5	P/D	records
O2		Y		CEM for NOx and O2 or CO2	BAAQMD 1-520.8	C	CEM
O2		Y		No limit	BAAQMD 9-10-502.1	C	CEM
CO	BAAQMD 9-10-305	Y		400 ppmv (dry, 3% O_2)	BAAQMD 9-10-502.1	P/SA	source test
CO	BAAQMD Condition 1694, Part C.3	Y		50 ppmv CO at 3% O2 over any 3 hours, except startups and shutdowns	BAAQMD 9-10-502.1	P/SA	source test
Opacity	BAAQMD 6-301	Y		Ringelmann 1 for no more than 3 minutes in any hour	None for gaseous-fueled sources	N	None
Opacity	BAAQMD 6-305	Y		Prohibition of nuisance	None	N	None
FP	BAAQMD 6-310.3	Y		0.15 grain/dscf @ 6% O2	None for gaseous-fueled sources	N	None
SO2	BAAQMD Condition 1694, Part A.4	Y		1,558 lb/day SO2 over any month	BAAQMD Condition 1694, Part A.3a	P/3 times per day	TRS analysis

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A.31
Applicable Limits and Compliance Monitoring Requirements
S-371 – UNIT 228, B-520 FURNACE

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
H2S	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; this requirement applies to sources installed/modified after 6/11/73 and burning refinery gas	40 CFR 60 Subpart J, 60.105(a)(4)	C	H2S analyzer
Fuel Flow		Y		No limit	BAAQMD 9-10-502.2	C	Fuel Flowmeter
throughput	BAAQMD Condition 20989, Part A	Y		4.8 E 6 therm/yr for S-371 and S-372 combined	BAAQMD Condition 20989, Part A	P/M	records

Table VII – A.32
Applicable Limits and Compliance Monitoring Requirements
S-372 – UNIT 228, B-521 FURNACE

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 and O2 or CO2	BAAQMD 1-520.8	C	CEM
NOx	BAAQMD 9-10-301	Y		Refinery-wide emissions: 0.033 lb NOx/ MMBTU	BAAQMD 9-10-502.1	C	CEM
NOx	BAAQMD 9-10-303	Y		Federal emissions: Refinery-wide emissions: 0.20 lb NOx/MMBTU	None	N	None

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A.32
Applicable Limits and Compliance Monitoring Requirements
S-372 – UNIT 228, B-521 FURNACE

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
NOx	BAAQMD Condition 1694, Part C.2	Y		20 ppmv NOx at 3% O2 over any 3 hours, except startups and shutdowns	BAAQMD 1-520.8	C	NOx, O2 CEM
All combustion emissions	BAAQMD Condition 1694, Part A.1	Y		heat ratings, firing limits (see condition)	BAAQMD Condition 1694, Part A.5	P/D	records
O2		Y		CEM for NOx and O2 or CO2	BAAQMD 1-520.8	C	CEM
O2		Y		No limit	BAAQMD 9-10-502.1	C	CEM
CO	BAAQMD 9-10-305	Y		400 ppmv (dry, 3% O_2)	BAAQMD 9-10-502.1	P/SA	source test
CO	BAAQMD Condition 1694, Part C.3	Y		50 ppmv CO at 3% O2 over any 3 hours, except startups and shutdowns	BAAQMD 9-10-502.1	P/SA	source test
Opacity	BAAQMD 6-301	Y		Ringelmann 1 for no more than 3 minutes in any hour	None for gaseous-fueled sources	N	None
	BAAQMD 6-305	Y		Prohibition of nuisance	None	N	None
FP	BAAQMD 6-310.3	Y		0.15 grain/dscf @ 6% O2	None for gaseous-fueled sources	N	None
SO2	BAAQMD Condition 1694, Part A.4	Y		1,558 lb/day SO2 over any month	BAAQMD Condition 1694, Part A.3a	P/3 times per day	TRS analysis

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A.32
Applicable Limits and Compliance Monitoring Requirements
S-372 – UNIT 228, B-521 FURNACE

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
H2S	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; this requirement applies to sources installed/modified after 6/11/73 and burning refinery gas	40 CFR 60 Subpart J 60.105(a)(4)	C	H2S analyzer
Fuel Flow		Y		No limit	BAAQMD 9-10-502.2	C	Fuel Flowmeter
throughput	BAAQMD Condition 20989, Part A	Y		4.8 E 6 therm/yr for S-371 and S-372 combined	BAAQMD Condition 20989, Part A	P/M	records

Table VII – A.33
Applicable Limits and Compliance Monitoring Requirements
S-438 – UNIT 110, H-1 FURNACE

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 and O2 or CO2	BAAQMD 1-520.8	C	CEM
NOx	BAAQMD Condition 1694, Part E.4	Y		10 ppmv NOx at 3% O2 over any 3 hours, except startups and shutdowns, at S-438	BAAQMD 1-520.8	C	CEM

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A.33
Applicable Limits and Compliance Monitoring Requirements
S-438 – UNIT 110, H-1 FURNACE

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
All combustion emissions	BAAQMD Condition 1694, Part A.1	Y		heat ratings, firing limits (see condition)	BAAQMD Condition 1694, Part A.5	P/D	records
all combustion emissions	BAAQMD Condition 1694, Part E.2	Y		2.04 E 12 BTU/yr fuel combustion at S-438	BAAQMD Condition 1694, Part E.6	P/D	records
O2		Y		CEM for NOx and O2 or CO2	BAAQMD 1-520.8	C	CEM
CO	BAAQMD Condition 1694, Part E.4	Y		32 ppmv CO at 3% O2 over any 24 hr, except startups and shutdowns, at S-438	None	N	None
TRS	BAAQMD Condition 1694, Part E.3	Y		1 ppmw TRS in PSA offgas used as fuel, at S-438	Overall fuel TRS monitored by BAAQMD Condition 1694, Part E.5	P/D	records
TRS	BAAQMD Condition 1694, Part E.5	Y		50 ppmv TRS over any month, in fuel gas, at S-438	BAAQMD Condition 1694, Part E.5	P/3 times per day	TRS analysis
Opacity	BAAQMD 6-304	Y		During tube cleaning, Ringelmann No. 2 for 3 min/hr and 6 min/billion BTU in 24 hours; applies to sources rated over 140 MM BTU/hr (with tubes)	None for gaseous-fueled sources	N	None

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A.33
Applicable Limits and Compliance Monitoring Requirements
S-438 – UNIT 110, H-1 FURNACE

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
	BAAQMD 6-301	Y		Ringelmann 1 for no more than 3 minutes in any hour	None for gaseous-fueled sources	N	None
	BAAQMD 6-305	Y		Prohibition of nuisance	None	N	None
FP	BAAQMD 6-310.3	Y		0.15 grain/dscf @ 6% O2	None for gaseous-fueled sources	N	None
SO2	BAAQMD Condition 1694, Part A.4	Y		1,558 lb/day SO2 over any month	BAAQMD Condition 1694, Part A.3a	P/3 times per day	TRS analysis
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; this requirement applies to sources installed/modified after 6/11/73 and burning refinery gas	40 CFR 40 CFR 60.105(a)(4)	C	H2S analyzer

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – B
Applicable Limits and Compliance Monitoring Requirements
S-400 WET WEATHER WASTEWATER SUMP
S-401 DRY WEATHER WASTEWATER SUMP

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD Condition 1440, Part 4.b	Y		no detectable VOC emissions	BAAQMD Condition 1440, Part 5	P/SA	VOC analyzer
VOC	NSPS Subpart QQQ, 40 CFR 60.692-2(c)(1)	Y		No visible gaps or cracks in joints or seals, or other problems that could result in VOC emissions	NSPS Subpart QQQ, 40 CFR 60.692-2(c)(2)	P/SA	Visual inspections
throughput	BAAQMD Condition 20989, Part A	Y		3.68 E 9 gal/yr each for S-400, S-401	BAAQMD Condition 20989, Part A	P/M	records

Table VII - C
Applicable Limits and Compliance Monitoring Requirements
S-324 API OIL/WASTEWATER SEPARATOR

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD Condition 1440, Part 4.a	Y		no detectable VOC emissions	BAAQMD Condition 1440, Part 5	P/SA	VOC analyzer

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - C
Applicable Limits and Compliance Monitoring Requirements
S-324 API OIL/WASTEWATER SEPARATOR

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 8-8-306.1	Y		No cracks or gaps in roof seals, acess doors, and other openings in the **effluent channel** greater than 0.32 cm (0.125 inch) between the roof and wall	BAAQMD 8-8-306.1	P/SA	Visual inspections
VOC	NSPS Subpart QQQ, 40 CFR 60.692-3(a)	Y		Fixed roof access doors or openings shall be gasketed, latched, and kept closed	NSPS Subpart QQQ, 40 CFR 60.692-3(a)(4)	P/SA	Visual inspections
VOC	NSPS Subpart QQQ, 40 CFR 60.693-2(a)(2)	Y		Roof openings shall be equipped with a gasketed cover, sela, or lid maintained in a closed position	NSPS Subpart QQQ, 40 CFR 60.693-2(a)(5)(i)	P/SA	Visual inspections
through-put	BAAQMD Condition 1440, Part 6	Y		maximum design throughput - 7,500 gpm during media filter backwash and 7,000 gpm during all other times	None	N	None
Through-put	BAAQMD Condition 20989, Part A	Y		3.68 E 9 gal/yr	BAAQMD Condition 20989, Part A	P/M	records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – D
Applicable Limits and Compliance Monitoring Requirements
S-1007 DISSOLVED AIR FLOTATION 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 8-8-307.1	Y		Roof seals, access doors, and other openings shall be checked by visual inspection initially and semiannually thereafter to ensure that no cracks or gaps greater than 0.32 cm (0.125 inch) occur in the roof or between the roof and wall; and that the access doors and other openings are closed and gasketed properly	BAAQMD 8-8-307.1	P/SA	visual
VOC	BAAQMD Condition 1440, Part 4.b	Y		no detectable VOC emissions	BAAQMD Condition 1440, Part 5	P/SA	VOC analyzer
through-put	BAAQMD Condition 1440, Part 6	Y		maximum design throughput - 7,500 gpm during media filter backwash and 7,000 gpm during all other times	None	N	None
throughput	BAAQMD Condition 20989, Part A	Y		3.68 E 9 gal/yr	BAAQMD Condition 20989, Part A	P/M	records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - E
Applicable Limits and Compliance Monitoring Requirements
S-381 AERATION TANK F-201
S-382 AERATION TANK F-202
S-383 CLARIFIER F-203
S-384 CLARIFIER F-204

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD Condition 1440, Part 4.c	Y		no detectable VOC emissions	BAAQMD Condition 1440, Part 5	P/SA	VOC analyzer
Through-put	BAAQMD Condition 20989, Part A	Y		3.68 E 9 gal/yr each for S-381, S-382, S-383, S-384	BAAQMD Condition 20989, Part A	P/M	records

Table VII - F
Applicable Limits and Compliance Monitoring Requirements
S-1008 PRIMARY STORMWATER BASIN
S-1009 MAIN STORMWATER BASIN

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Through-put	BAAQMD Condition 20989, Part A	Y		3.68 E 9 gal/yr each for S-1008, S-1009	BAAQMD Condition 20989, Part A	P/M	records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – G
Applicable Limits and Compliance Monitoring Requirements
S-385 – WASTEWATER EFFLUENT MEDIA FILTER F-207
S-386 – PAC REGENERATION SLUDGE THICKENER F-211
S-387 – WET AIR REGENERATION SYSTEM P-202
S-390 – THICKENED SLUDGE STORAGE F-106
S-392 – REGENERATED PAC SLURRY STORAGE F-266

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD Condition 1440, Part 4.c	Y		no detectable VOC emissions	BAAQMD Condition 1440, Part 5	P/SA	VOC analyzer
Through-put	BAAQMD Condition 20989, Part A	Y		S-385: 3.68 E 9 gal/yr S-386: 1.6 E 7 gal/yr, S-387: 7.884 E 6 gal/yr S-390: 7.884 E 6 gal/yr S-392: 7.884 E 6 gal/yr	BAAQMD Condition 20989, Part A	P/M	records

Table VII – H
Applicable Limits and Compliance Monitoring Requirements
WASTEWATER JUNCTION BOXES

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
None							
VOC	NSPS Subpart QQQ, 40 CFR 60.692-2(b)(2)	Y		Junction box covers shall have a tight seal around the edge and kept in place at all times	NSPS Subpart QQQ, 40 CFR 60.692-2(b)(3)	P/SA	Visual inspections

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – I
Applicable Limits and Compliance Monitoring Requirements
WASTEWATER PROCESS SEWERS/SEWER LINES

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	NSPS Subpart QQQ, 40 CFR 60.692-2(c)(1)	Y		No visible gaps or cracks in joints or seals, or other problems that could result in VOC emissions	NSPS Subpart QQQ, 40 CFR 60.692-2(c)(2)	P/SA	Visual inspections

Table VII – J
Applicable Limits and Compliance Monitoring Requirements
WASTEWATER GAUGING AND SAMPLING DEVICES

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 8-8-303	Y		Vapor tight gauging and sampling devices	BAAQMD 8-8-504 8-8-603	N	Portable hydrocarbon detector

Table VII – K
Applicable Limits and Compliance Monitoring Requirements
S294 – NON-RETAIL GASOLINE DISPENSING 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 8-7-301.6 and 8-7-302.5	Y		Vapor recovery equipment shall be leak-free and vapor tight	BAAQMD Regulation 8-7-301.13	A	Vapor tightness test
VOC	BAAQMD Regulation 8-7-301.10	N		98% or highest vapor recovery rate specified by CARB	None	N	None

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – K
Applicable Limits and Compliance Monitoring Requirements
S294 – NON-RETAIL GASOLINE DISPENSING 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	None			None	BAAQMD Regulation 8-7-302.14	A	Backpressure test
VOC	BAAQMD Regulation 8-7-313.1	N		Fugitives ≤ 0.42 lb/1000 gallon	None	N	None
VOC	BAAQMD Regulation 8-7-313.2	N		Spillage ≤ 0.42 lb/1000 gallon	None	N	None
VOC	BAAQMD Regulation 8-7-313.3	N		Liquid Retain + Spitting ≤ 0.42 lb/1000 gallon	None	N	None
VOC	SIP Regulation 8-7-301.2	Y		95% recovery of gasoline vapors	None	N	None
VOC	California Air Resources Board Executive Order VR-101	N		leakage levels as specified in Executive Order VR-101	BAAQMD Condition 18680, Part 2	leak test	P/36 months
throughput	BAAQMD Condition 7523	N		400,000 gal/yr	BAAQMD Regulation 8-7-503 BAAQMD Condition 20989, Part A	P/A P/M	Records Records
throughput	BAAQMD Condition 20989, Part A	Y		20 gpm	None	N	None

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - L
Applicable Limits and Compliance Monitoring Requirements
S-296 – C-1 FLARE
S-398 – MP-30 FLARE
[Flares which are visually inspected upon release, with no remote viewing system]

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD Regulation 6-301	Y		Ringelmann No. 1 for no more than 3 minutes/hr	BAAQMD Condition 18255, Part 1 (Effective 12/1/04)	P/E	Visual Inspection
FP	BAAQMD Regulation 6-310	Y		No emissions from source > 0.15 grains per dscf of gas volume	BAAQMD Condition 18255, Part 1 (Effective 12/1/04)	P/E	Visual Inspection
SO2	60.104(a)(1)	Y		S-398 is exempt per restriction in Condition 18255, Part 2; does not apply to S-296	None	N	None
		N	12/4/03		BAAQMD Regulation 12-11-501 & 12-11-505	P/C	Flow Rate
		N	9/4/03		BAAQMD Regulation 12-11-502.1 & 12-11-505	P/E	Composition
		N	3/4/04		BAAQMD Regulation 12-11-502.3 & 12-11-505	P/E	Composition
		N			BAAQMD Regulation 12-11-503 & 12-11-505	P/C	Flame Detector
		N			BAAQMD Regulation 12-11-504 & 12-11-505	P/C	Purge Gas Flow Rate

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - L
Applicable Limits and Compliance Monitoring Requirements
S-296 – C-1 FLARE
S-398 – MP-30 FLARE
[Flares which are visually inspected upon release, with no remote viewing system]

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
		N	12/4/03 (if video monitor installed by 1/1/03)		BAAQMD Regulation 12-11-507	P/C	1 frame per minute image video recording
		N	12/4/03 (if any >1E6 SCF/24-hr vent gas flared)		BAAQMD Regulation 12-11-507	P/C	1 frame per minute image video recording

Table VII – M
Applicable Limits and Compliance Monitoring Requirements
S-300 – U-200 DELAYED COKER

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
throughput	BAAQMD Condition 476, Part B.1	Y		56,000 bbl/day, 52,000 bbl/day annual average	BAAQMD Condition 476, Part C.2	P/M	records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – N
Applicable Limits and Compliance Monitoring Requirements
S-304 – U-229 MID-BARREL UNIONFINING UNIT
S-305 – U-230 PREFRACTIONATOR / NAPHTHA HYDROTREATER
S-306 – U-231 PLATFORMING UNIT
S-307 – U-240 UNICRACKING UNIT
S-308 – U-244 REFORMING UNIT
S-309 – U-248 UNISAR UNIT
S-318 – U-76 GASOLINE / MID-BARREL BLENDING UNIT
S-319 – U-215 GASOLINE FRACTIONATING UNIT
S-322 – U-40 RAW MATERIALS RECEIVING
S-435 – REFORMATE SPLITTER
S-436 – DEISOPENTANIZER
S-437 – HYDROGEN PLANT

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
VOC (S-307 only)	BAAQMD Condition 6671, Part 2 and 8-2-301	Y		emission streams with 15 lb/day AND 300 ppm total carbon on a dry basis prohibited	BAAQMD Condition 6671, Part 4	P/D	visual inspection
throughput	BAAQMD Condition 20989, Part A	Y		S-304: 3.47 E 6 bbl/yr S-305: 9.21 E 6 bbl/yr S-306: 5.66 E 6 bbl/yr S-307: 1.26 E 7 bbl/yr S-435: 6.6 E 6 bbl/yr S-436: 4.7 E 6 bbl/yr S-437: 9.1 E 9 ft3/yr	BAAQMD Condition 20989, Part A	P/M	records
throughput	BAAQMD Condition 20989, Part A	N		S-308: 5.11 E 6 bbl/yr S-309: 6.6 E 8 bbl/yr S-318: 3.3 E 7 bbl/yr S-319: 4.32 E 6 bbl/yr	BAAQMD Condition 20989, Part A	P/M	records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – O
Applicable Limits and Compliance Monitoring Requirements
S-350 – U-267 CRUDE DISTILLATION UNIT

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	BAAQMD 8-10-301	Y		abatement of emissions from process vessel depressurization is required until pressure is reduced to less than 1000 mm Hg	8-10-401.2	P/E	Records
VOC	BAAQMD Condition 383, Part 1a	Y	4/1/04	crude oil sulfur content limit (1.5 weight%)	BAAQMD Condition 383, Part 1b	P/D	analysis
throughput	BAAQMD Condition 383, Part 2	Y		33,000 bbl/day, 30,000 bbl/day annual average	BAAQMD Condition 383, Part 3a	P/M	records

Table VII – P
Applicable Limits and Compliance Monitoring Requirements
S-432 – U-215 DEISOBUTANIZER

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
throughput	BAAQMD Condition 20989, Part A	Y		2.8 E 6 bbl/yr	BAAQMD Condition 20989, Part A	P/M	records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – Q.1
Applicable Limits and Compliance Monitoring Requirements
S-352 - COMBUSTION TURBINE
S-353 - COMBUSTION TURBINE
S-354 - COMBUSTION TURBINE

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 9-9-301.3	Y		9 ppmv (note 1) @15% O_2 (dry)	BAAQMD 9-9-501, Condition 12122, Part 9b	C	CEM
NOx	NSPS 40 CFR 60 Subpart GG, 60.332 (a)(2)	Y		110 ppmv @15% O_2 (dry)	BAAQMD 9-9-501, Condition 12122, Part 9b	C	CEM
NOx	BAAQMD Condition 12122, Part 9a	Y		66 lb/hr and 167 ton/yr for all sources; 528 lb/day for each turbine/duct burner set	BAAQMD Condition 12122, Part 9b	C	CEM
NOx	BAAQMD Condition 18629, Part IX.E	Y		664 lb/day per turbine/duct burner set AND 83 lb/hr total or 25 ppmv at 15% O2 (3 hr average)	BAAQMD Condition 18629, Part IX.G.1.a	C	CEM
CO	BAAQMD Condition 12122, Part 7	Y		39 ppmv @ 15% O2	BAAQMD Condition 12122, Part 10b	C	CEM
CO	BAAQMD Condition 12122, Part 10a	Y		200 ton/yr	BAAQMD Condition 12122, Part 10b	C	CEM
POC	BAAQMD Condition 12122, Part 8	Y	4/1/04	6 ppmv @ 15% O2	BAAQMD Condition 12122, Part 14	P/A	source test

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – Q.1
Applicable Limits and Compliance Monitoring Requirements
S-352 - COMBUSTION TURBINE
S-353 - COMBUSTION TURBINE
S-354 - COMBUSTION TURBINE

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
	BAAQMD Condition 12122, Part 11	Y	4/1/04	8.3 lb/hr, 30.5 ton/yr	BAAQMD Condition 12122, Part 14	P/A	source test
Opacity	BAAQMD 6-301	Y		Ringelmann No. 1 for no more than 3 minutes/hour	None for gaseous-fueled sources	N	None
Opacity	BAAQMD 6-305	Y		Prohibition of nuisance	None for gaseous-fueled sources	N	None
FP	BAAQMD 6-310	Y		0.15 grain/dscf	None for gaseous-fueled sources	N	None
throughput	BAAQMD Condition 18629, Part IX.D.2	Y		466 MM BTU/hr at each turbine/duct burner set	BAAQMD Condition 18629, Part IX.D.4	P/M	records
	BAAQMD Condition 18629, Part IX.D.3	Y		1048 MM BTU/hr total	BAAQMD Condition 18629, Part IX.D.4	P/M	records
SO2	40 CFR 60 Subpart GG, 60.333(b)	Y		0.8 % sulfur in fuel by weight	Condition 12122, Part 12	P/3 times per day	TRS analysis

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – Q.1
Applicable Limits and Compliance Monitoring Requirements
S-352 - COMBUSTION TURBINE
S-353 - COMBUSTION TURBINE
S-354 - COMBUSTION TURBINE

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
	BAAQMD Condition 18629, Part IX.F	Y		15.6 lb/hr at each turbine/duct burner set AND 44 lb/hr total (3-hr average); 34 lb/hr total (3-hr average) for more than 36 days per year AND 153 ton/yr total	BAAQMD Condition 18629, Part IX.G.1.a	C/P	H2S CEM for fuel gas AND daily total sulfur sampling of fuel gas
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 60, Subpart J 60.105(a)(4)	C	H2S analyzer

1 BAAQMD Regulation 9-9-301.2, 9-9-301.3, 9-9-303, and 9-9-305 emission limits may be adjusted pursuant to BAAQMD Regulation 9-9-401.

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – Q.2
Applicable Limits and Compliance Monitoring Requirements
S-355 – SUPPLEMENTAL DUCT BURNERS FOR S-352
S-356 – SUPPLEMENTAL DUCT BURNERS FOR S-353
S-357 – SUPPLEMENTAL DUCT BURNERS FOR S-354

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
NOx	BAAQMD Condition 12122, Part 9a	Y		66 lb/hr and 167 ton/yr for all sources; 528 lb/day for each turbine/duct burner set	BAAQMD Condition 12122, Part 9b	C	CEM
NOx	40 CFR 60, Subpart Db, 60.44b(a)(4)(i)	Y		0.20 lb/MM BTU for natural gas-firing only conditions	40 CFR 60, Subpart Db, 60.48b(h) – Exempt from NOx CEM during natural gas-firing only conditions	N	None
NOx	40 CFR 60, Subpart Db, 60.44b(f)	Y		25 ppmv @ 15% O2 (3-hr average) (based on PSD Permit Condition 18629, Part IX.E)	40 CFR 60, Subpart Db, 60.48b(b)(l) and BAAQMD Condition 18629, Part IX.G.1.a	C	CEM
NOx	BAAQMD Condition 18629, Part IX.E	Y		664 lb/day per turbine/duct burner set AND 83 lb/hr total or 25 ppmv at 15% O2 (3 hr average)	BAAQMD Condition 18629, Part IX.G.1.a	C	CEM
CO	BAAQMD Condition 12122, Part 7	Y		39 ppmv @ 15% O2	BAAQMD Condition 12122, Part 10b	C	CEM

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – Q.2
Applicable Limits and Compliance Monitoring Requirements
S-355 – SUPPLEMENTAL DUCT BURNERS FOR S-352
S-356 – SUPPLEMENTAL DUCT BURNERS FOR S-353
S-357 – SUPPLEMENTAL DUCT BURNERS FOR S-354

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
CO	BAAQMD Condition 12122, Part 10a	Y		200 ton/yr	BAAQMD Condition 12122, Part 10b	C	CEM
POC	BAAQMD Condition 12122, Part 8	Y	4/1/04	6 ppmv @ 15% O2	BAAQMD Condition 12122, Part 14	P/A	source test
	BAAQMD Condition 12122, Part 11	Y	4/1/04	8.3 lb/hr, 30.5 ton/yr	BAAQMD Condition 12122, Part 14	P/A	source test
Opacity	BAAQMD 6-301	Y		Ringelmann No. 1 for no more than 3 minutes/hour	None for gaseous-fueled sources	N	None
Opacity	BAAQMD 6-305	Y		Prohibition of nuisance	None for gaseous-fueled sources	N	None
FP	BAAQMD 6-310	Y		0.15 grain/dscf	None for gaseous-fueled sources	N	None
throughput	BAAQMD Condition 12122, Part 6	Y		2.42 E 12 BTU/yr at S-355, S-356, S-357 (combined)	BAAQMD Condition 12122, Part 15	P/D	records
	BAAQMD Condition 18629, Part IX.D.2	Y		466 MM BTU/hr at each turbine/duct burner set	BAAQMD Condition 18629, Part IX.D.4	P/M	records
	BAAQMD Condition 18629, Part IX.D.3	Y		1048 MM BTU/hr total	BAAQMD Condition 18629, Part IX.D.4	P/M	records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – Q.2
Applicable Limits and Compliance Monitoring Requirements
S-355 – SUPPLEMENTAL DUCT BURNERS FOR S-352
S-356 – SUPPLEMENTAL DUCT BURNERS FOR S-353
S-357 – SUPPLEMENTAL DUCT BURNERS FOR S-354

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
SO2	BAAQMD Condition 18629, Part IX.F	Y		15.6 lb/hr at each turbine/duct burner set AND 44 lb/hr total (3-hr average); 34 lb/hr total (3-hr average) for more than 36 days per year AND 153 ton/yr total	BAAQMD Condition 18629, Part IX.G.1.a	C/P	H2S CEM for fuel gas AND daily total sulfur sampling of fuel gas
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 60, Subpart J 60.105(a)(4)	C	H2S analyzer

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - R
Applicable Limits and Compliance Monitoring Requirements
S376 - TOOL ROOM COLD CLEANER
S377 – MACHINE SHOP COLD CLEANER
S378 – AUTO SHOP COLD CLEANER

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	BAAQMD Condition 16677, Part 1	Y		150 gal/yr of citrus-based solvents, or equivalent amount as allowed in Part 2	BAAQMD Condition 16677, Part 3a	P/M	usage records

Table VII - S
Applicable Limits and Compliance Monitoring Requirements
S-425 – MARINE LOADING BERTH M1
S-426 – MARINE LOADING BERTH M2

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 4336, Part 1	C	A-420 temperature
POC	BAAQMD 8-44.301.2	Y		Controlled $\geq$ 95% weight	BAAQMD Condition 4336, Part 1	C	A-420 temperature
POC	BAAQMD 8-44-303	Y		Leak free and gas tight	Equipment leak inspections as specified in BAAQMD Regulation 8, Rule 18	P/Q	inspection with portable VOC monitor

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - S
Applicable Limits and Compliance Monitoring Requirements
S-425 – MARINE LOADING BERTH M1
S-426 – MARINE LOADING BERTH M2

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	BAAQMD Condition 4336, Part 1	Y		1300 degrees F minimum temperature during startup, 1400 degrees F minimum temperature after startup	BAAQMD Condition 4336, Part 2b	C	A-420 temperature
POC	BAAQMD Condition 4336, Part 5	Y		maximum loading pressure relative to lowest relief valve setting (80%)	BAAQMD Condition 4336, Part 2a	C	loading pressure
POC	BAAQMD Condition 4336, Part 6	Y		25,000 bbl/day of gasoline, naphtha and C5/C6 compounds	BAAQMD Condition 4336, Part 7	P/D	loading records
throughput	BAAQMD Condition 20989, Part A	Y		2.8 E 6 bbl/yr	BAAQMD Condition 20989, Part A	P/M	records

Table VII – T
Applicable Limits and Compliance Monitoring Requirements
S-450 – GROUNDWATER EXTRACTION TRENCHES

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
None							

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – U
Applicable Limits and Compliance Monitoring Requirements
S1001 - SULFUR PLANT UNIT 234
S1002 - SULFUR PLANT UNIT 236
S1003 - SULFUR PLANT UNIT 238
S-301 - MOLTEN SULFUR PIT 234
S-302 - MOLTEN SULFUR PIT 236
S-303 - MOLTEN SULFUR PIT 238

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
(H2S, ammonia)	BAAQMD 9-1-313.2 and SIP 9-1-313.2	N Y	4/1/04	95% of H2S in refinery fuel gas is removed and recovered on a refinery-wide basis AND 95% of H2S in process water streams is removed and recovered on a refinery-wide basis AND 95% of ammonia in process water streams is removed; refineries which remove the equivalent of 16.5 ton/day or more of elemental sulfur shall install a sulfur recovery plant or sulfuric acid plant	BAAQMD Condition 19278 Part 1	P/A	Source Test
Opacity	BAAQMD 6-301	Y		Ringelmann No. 1 for no more than 3 minutes/hour	None for gaseous-fueled sources	N	None
Opacity	BAAQMD 6-305	Y		Prohibition of nuisance	None for gaseous-fueled sources	N	None
FP	BAAQMD 6-310	Y		0.15 grain/dscf	None for gaseous-fueled sources	N	None

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – U
Applicable Limits and Compliance Monitoring Requirements
S1001 - SULFUR PLANT UNIT 234
S1002 - SULFUR PLANT UNIT 236
S1003 - SULFUR PLANT UNIT 238
S-301 - MOLTEN SULFUR PIT 234
S-302 - MOLTEN SULFUR PIT 236
S-303 - MOLTEN SULFUR PIT 238

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
SO3, H2SO4	BAAQMD 6-330	Y	4/1/04	0.08 grain/dscf exhaust concentration of SO3 and H2SO4, expressed as 100% H2SO4	BAAQMD Condition 19278 Part 2	P/A	Source Test
throughput	BAAQMD Condition 20989, Part A	N		89,425 long ton/yr for S-1001, 1002, 1003, 301, 302, 303	BAAQMD Condition 20989, Part A	P/M	records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – V
Applicable Limits and Compliance Monitoring Requirements
S-370 – ISOMERIZATION UNIT 228

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
VOC	BAAQMD Condition 12121, Part 1	Y		daily feed rate limit (11,040 bbl/day)	BAAQMD Condition 12121, Part 2	P/D	records
throughput	BAAQMD Condition 20989, Part A	Y		4.03 E 6 bbl/yr	BAAQMD Condition 20989, Part A	P/M	records

Table VII – W
Applicable Limits and Compliance Monitoring Requirements
S-380 – ACTIVATED CARBON SILO (P-204)

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	4/1/04	Ringelmann No. less than 1 for more than 3 minutes/hr	BAAQMD Condition 18251, Part 2b	P/Q	Pressure Drop
Opacity	BAAQMD 6-305	Y	4/1/04	Prohibition of nuisance	BAAQMD Condition 18251, Part 2b	P/Q	Pressure Drop
FP	BAAQMD Regulation 6-310	Y	4/1/04	No emissions from source > 0.15 grains per dscf of gas volume	BAAQMD Condition 18251, Part 2b	P/Q	Pressure Drop

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – W
Applicable Limits and Compliance Monitoring Requirements
S-380 – ACTIVATED CARBON SILO (P-204)

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
FP	BAAQMD Regulation 6-311	Y	4/1/04	No emissions from source > rate specified in rule	BAAQMD Condition 18251, Part 2b	P/Q	Pressure Drop
throughput	BAAQMD Condition 20989, Part A	Y		2,628 ton/yr	BAAQMD Condition 20989, Part A	P/M	records

Table VII - X
Applicable Limits and Compliance Monitoring Requirements
S-389 – DIATOMACEOUS EARTH SILO (F-214)

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	4/1/04	Ringelmann No. less than 1 for more than 3 minutes/hr	BAAQMD Condition 18251, Part 2c	P/E (baghouse operation)	Pressure Drop
Opacity	BAAQMD 6-305	Y	4/1/04	Prohibition of nuisance	BAAQMD Condition 18251, Part 2c	P/E (baghouse operation)	Pressure Drop
FP	BAAQMD Regulation 6-310	Y	4/1/04	No emissions from source > 0.15 grains per dscf of gas volume	BAAQMD Condition 18251, Part 2c	P/E (baghouse operation)	Pressure Drop
FP	BAAQMD Regulation 6-311	Y	4/1/04	No emissions from source > rate specified in rule	BAAQMD Condition 18251, Part 2c	P/E (baghouse operation)	Pressure Drop
throughput	BAAQMD Condition 20989, Part A	Y		1,840 ton/yr	BAAQMD Condition 20989, Part A	P/M	records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – AB
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
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	BAAQMD Reg. 8-18-502.4	P/quarterly	report
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/within 24 hours	Inspection

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – AB
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. 8-18-306.3.2	Y		Mass emissions & non-repairable equipment allowed Valve ≤ 0.1 lb/day & ≤1.0% Pressure Relief ≤ 0.2 lb/day & ≤ 5% Pump and Connector ≤ 0.2 lb/day & ≤ 5%	BAAQMD Reg. 8-18-401.3	P/D	Inspection
POC	BAAQMD Reg. 8-18-306.3.3	Y		Total valve, pressure relief, pump or compressor leaks ≥ 15 lb/day, they must be repaired within 7 days	BAAQMD 8-18-502.4	P/Q	sampling or equivalent
POC	SIP Reg. 8-28-301	Y		10,000 ppm	BAAQMD 8-28-402	P/Q	inspection
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	BAAQMD 8-28-405	P/turn-around	None
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.	BAAQMD 8-28-405	P/release per 5 calendar year	None
40 CFR 60; Subpart QQQ							
POC	40 CFR 60.692-5 (e)(1)	Y		Closed-vent systems <500 ppm above background	40 CFR 60.692-5 (e)(1)	P/SA	Measure for leaks

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – AB
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	40 CFR 60.692-5 (a)	Y		Closed-vent systems using combustion devices shall have 0.75 seconds residence and minimum temp of 816C	40 CFR 60.692-5 (e)(5)	P/E	Repair after emissions are detected within 30 days
POC	40 CFR 60.692-5 (b)	Y		Vapor recovery greater than or equal to 95%	None	N	None
40 CFR 60; Subpart VV							
POC	40 CFR 60.482-2 (b)(1)	Y		Pump leak ≥ 10,000 ppm	40 CFR 60.482-2 (a)(1)	P/M	Measure for leaks
POC	40 CFR 60.482-2 (b)(2)	Y		Pump leak Indicated by dripping liquid	40 CFR 60.482-2 (a)(2)	P/W	Visual Inspection
POC	40 CFR 60.482-2(e)	Y		Designated "No detectable emissions" ≤ 500 ppm	40 CFR 60.482-2(e)(3)	P/A	Measure for leaks
POC	40 CFR 60.482-8 (b)	Y		Pump leak ≥ 10,000 ppm	40 CFR 60.482-8 (a)	P/5 days	Visual, audible, olfactory Inspection; Measure for leaks
POC	40 CFR 60.482-4(b)	Y		Pressure relief valve (gas/vapor) leak ≥ 500 ppm within 5 days after a pressure release event	40 CFR 60.482-4(b)	P/E	Measure for leaks within 5 days after release
POC	40 CFR 60.482-7(b)	Y		Valve leak ≥ 10,000 ppm	40 CFR 60.482-7(a)	P/M	Measure for leaks
POC	40 CFR 60.482-7(b)	Y		Valve leak ≥ 10,000 ppm; 2 successive months w/o leaking	40 CFR 60.482-7(c)	P/Q	Measure for leaks

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – AB
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	40 CFR 60.482-7(f)	Y		Designated "No detectable emissions" ≤ 500 ppm	40 CFR 60.482-7 (f)(3)	P/A	Measure for leaks
POC	40 CFR 60.482-8(a)	Y		Pumps and valves in heavy liquid service, Pressure Relief devices (light or heavy liquid), Flanges, Connectors leak shall be measured for leak in 5 days if detected by inspection	40 CFR 60.482-8(a)	P/E	Visible, Audible, or olfactory Inspection
POC	40 CFR 60.482-8(b)	Y		Pressure Relief devices (liquid), Flanges, Connectors leak ≥ 10,000 ppm	40 CFR 60.482-8(a)	P/E	Measure for leaks
POC	40 CFR 60.482-10 (b)	Y		Closed-vent systems and control devices: Vapor recovery systems ≥ 95%	None	N	None
POC	40 CFR 60.482-10 (c)	Y		Combustion devices ≥ 95% destruction efficiency or ≥ 0.75 seconds and ≥ 816°C	None	N	None
POC	40 CFR 60.482-10 (g)	Y		Closed-vent systems leak ≥ 500 ppm and visible leak indication	40 CFR 60.482-10 (f)	P/A	Measure for leaks; Visual Inspection
POC	40 CFR 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.	same as limit	P/Q P/A	Measure for leaks
40 CFR 61; Subpart FF							

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – AB
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	40 CFR 61.342 (a)	Y		Exemption for facilities with less than 10 Mg/yr of benzene in waste	40 CFR 61.357 (c)	P/A	report

Table VII – B1
Applicable Limits and Compliance Monitoring Requirements
NSPS KB LOW VAPOR PRESSURE PERMITTED WASTEWATER SLUDGE TANKS WITH VAPOR RECOVERY TO FUEL GAS
S-433 (F224 - MOSC)

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 per 8-5-117. Low vapor pressure						
POC	8-5-117 & Condition 20773, Part 1	Y	4/1/04	Exemption from Regulation 8-5 when true vapor pressure is less than 25.8 mm Hg (0.5 psia).	2-6-409.2 & Condition 20773, Part 2	P/E	Vapor pressure determination upon material change
BAAQMD 8-8	**BAAQMD 8-8 – Organic Compounds – Wastewater (Oil Water Separators)**						
VOC	BAAQMD 8-8-303	Y		Vapor tight gauging and sampling devices	BAAQMD 8-8-504 8-8-603	N	Portable hydrocarbon detector
VOC	BAAQMD 8-8-304	Y		Combined collection/destruction efficiency of 95% by weight.	BAAQMD 8-8-602	N	Source test or EPA Method 25 or 25A
NONE	**40 CFR 63 Subpart CC – NESHAPS for Petroleum Refineries Exempt per 63.640(d)(5). Emission point routed to fuel gas system.**						
NSPS QQQ	**40 CFR 60 Subpart QQQ – VOC Emissions from Petroleum Refinery Wastewater Systems**						
VOC	40 CFR 60.692-3(a)	Y		Fixed roof closure standards	40 CFR 60.692-3(a)(4)	periodic initially and semi-annually	Visual inspection

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – B1
Applicable Limits and Compliance Monitoring Requirements
NSPS Kb Low Vapor Pressure Permitted Wastewater Sludge Tanks with Vapor Recovery to Fuel Gas
S-433 (F224 - MOSC)

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC		Y		Problems identified during 40 CFR 60.692-3(a) inspections that could result in VOC emissions	40 CFR 60.697(c)	periodic when problem is identified	Records
VOC		Y		Problems identified during 40 CFR 60.692-3(a) inspections that could result in VOC emissions	40 CFR 60.698(c)	periodic initially and semi-annually	Report
NSPS Kb	**40 CFR 60 Subpart Kb – NSPS for VOL Storage Vessels MONITORING FOR RECORDKEEPING ONLY**						
VOC	40 CFR 60.110b(c)	Y		True vapor pressure less than 3.5 kPa.	40 CFR 60.116b (b)	periodic initially and upon change of service	Record
BAAQMD Permit	**PERMIT CONDITIONS**						
throughput	BAAQMD Condition 7353, Part 4	Y		138,700 bbl/yr	BAAQMD Condition 7353, Part 5	P/W	records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – B2
Applicable Limits and Compliance Monitoring Requirements
LOW VAPOR PRESSURE PERMITTED TANKS
SUBJECT TO MACT RECORDKEEPING
S-118 (TANK 163)

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 per 8-5-117. Low vapor pressure						
POC	8-5-117 & Condition 20773, Part 1	Y	4/1/04	Exemption from Regulation 8-5 when true vapor pressure is less than 25.8 mm Hg (0.5 psia).	2-6-409.2 & Condition 20773, Part 2	P/E	Vapor pressure determination upon material change
NESHAPS CC	**40 CFR 63 Subpart CC – NESHAP for Petroleum Refineries MONITORING FOR RECORDKEEPING ONLY**						
HAP	40 CFR 63.641	Y		Retain weight percent total organic HAP in stored liquid for Group 2 determination.	40 CFR 63.654(i)(1)(iv)	periodic initially and upon change in service	Records
BAAQMD Permit	**PERMIT CONDITIONS**						
throughput	BAAQMD Condition 20989, Part A	N		15,000 bbl/yr	BAAQMD Condition 20989, Part A	P/M	Records

Table VII – B3
Applicable Limits and Compliance Monitoring Requirements
LOW VAPOR PRESSURE PERMITTED TANKS < 10,000 GALLONS
S-117 (TANK 162), S-193 (TANK 305), S-194 (TANK 306)

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 per 8-5-117. Low vapor pressure						
POC	8-5-117 & Condition 20773, Part 1	Y	4/1/04	Exemption from Regulation 8-5 when true vapor pressure is less than 25.8 mm Hg (0.5 psia).	2-6-409.2 & Condition 20773, Part 2	P/E	Vapor pressure determination upon material change

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – B3
Applicable Limits and Compliance Monitoring Requirements
LOW VAPOR PRESSURE PERMITTED TANKS < 10,000 GALLONS
S-117 (TANK 162), S-193 (TANK 305), S-194 (TANK 306)

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
NONE	**40 CFR 63 Subpart CC – NESHAPS for Petroleum Refineries** **Exempt per 63.641 storage vessel definition. Size less than or equal to 10,000 gallons.**						
BAAQMD Permit	**PERMIT CONDITIONS**						
throughput	BAAQMD Condition 20989, Part A	N		S-117: 8.76 E 5 bbl/yr S-193: 100 bbl/yr S-194: 100 bbl/yr	BAAQMD Condition 20989, Part A	P/M	Records

Table VII – B4
Applicable Limits and Compliance Monitoring Requirements
LOW VAPOR PRESSURE PERMITTED TANKS
VENTED TO FUEL GAS
S-238 (TANK 211), S-239 (TANK 212)

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 per 8-5-117. Low vapor pressure**						
POC	8-5-117 & Condition 20773, Part 1	Y	4/1/04	Exemption from Regulation 8-5 when true vapor pressure is less than 25.8 mm Hg (0.5 psia).	2-6-409.2 & Condition 20773, Part 2	P/E	Vapor pressure determination upon material change
NONE	**40 CFR 63 Subpart CC – NESHAPS for Petroleum Refineries** **Exempt per 63.640(d)(5). Emission point routed to fuel gas system.**						
BAAQMD Permit	**PERMIT CONDITIONS**						
throughput	BAAQMD Condition 20989, Part A	N		S-238: 1.0 E 6 bbl/yr S-239: 8.76 E 6 bbl/yr	BAAQMD Condition 20989, Part A	P/M	Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – B5
Applicable Limits and Compliance Monitoring Requirements
NSPS Kb Low Vapor Pressure Permitted Wastewater Sludge Tanks
S-195 (Tank 501), S-196 (Tank 502), S-388 (Tank 276/F205)

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 per 8-5-117. Low vapor pressure						
POC	8-5-117 & Condition 20773, Part 1	Y	4/1/04	Exemption from Regulation 8-5 when true vapor pressure is less than 25.8 mm Hg (0.5 psia).	2-6-409.2 & Condition 20773, Part 2	P/E	Vapor pressure determination upon material change
BAAQMD 8-8	**BAAQMD 8-8 – Organic Compounds – Wastewater (Oil Water Separators)**						
VOC	BAAQMD 8-8-303	Y		Vapor tight gauging and sampling devices	BAAQMD 8-8-504 8-8-603	N	Portable hydrocarbon detector
VOC	BAAQMD 8-8-304	Y		Combined collection/destruction efficiency of 95% by weight.	BAAQMD 8-8-602	N	Source test or EPA Method 25 or 25A
NESHAPS CC and NSPS Kb	**40 CFR 63 Subpart CC – NESHAPS for Petroleum Refineries 40 CFR 60 Subpart Kb - NSPS for VOL Storage Vessels at Petroleum Refineries RECORDKEEPING ONLY**						
Vapor pressure	40 CFR 63.640(n)(1) 60.110b(c)	Y		True vapor pressure less than 3.5 kPa.	40 CFR 63.640(n)(8) 60.116b(b)	P/E	Record
Vapor pressure		Y		TVP exceedances (> 5.2 kPa).	40 CFR 63.640(n)(8) 60.116b(d)	periodic within 30 days of exceedance	Notification
NSPS QQQ	**40 CFR 60 Subpart QQQ – VOC Emissions from Petroleum Refinery Wastewater Systems**						
VOC	40 CFR 60.692-3(a)	Y		Fixed roof closure standards	40 CFR 60.692-3(a)(4)	periodic initially and semi-annually	Visual inspection
VOC		Y		Problems identified during 40 CFR 60.692-3(a) inspections that could result in VOC emissions	40 CFR 60.697(c)	periodic when problem is identified	Records
VOC		Y		Problems identified during 40 CFR 60.692-3(a) inspections that could result in VOC emissions	40 CFR 60.698(c)	periodic initially and semi-annually	Report

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – B5
Applicable Limits and Compliance Monitoring Requirements
NSPS KB LOW VAPOR PRESSURE PERMITTED WASTEWATER SLUDGE TANKS
S-195 (TANK 501), S-196 (TANK 502), S-388 (TANK 276/F205)

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 Permit	**PERMIT CONDITIONS**						
Condition 1860 applies to S-388 only							
VOC	BAAQMD Condition 1860, Part 1	Y		fugitive emissions (300 ppm as methane above background)	BAAQMD Condition 1860, Part 3	periodic as required by BAAQMD Regulation 8, Rule 18	VOC monitor
throughput	BAAQMD Condition 20989, Part A	N		S-195: 5.0 E 4 bbl/yr	BAAQMD Condition 20989, Part A	P/M	Records
throughput	BAAQMD Condition 20989, Part A	Y		S-196: 5.0 E 4 bbl/yr S-388: 153,300 ton/yr	BAAQMD Condition 20989, Part A	P/M	Records

Table VII – B6
Applicable Limits and Compliance Monitoring Requirements
MACT (SMALL) ZERO GAP EXTERNAL FLOATING ROOF TANK
S-121 (TANK 166)

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 EXTERNAL FLOATING-ROOF TANKS**						
VOC	BAAQMD 8-5-301	Y		Record of liquids stored and true vapor pressure	BAAQMD 8-5-501.1	periodic initially and upon change of service	Records
VOC	BAAQMD 8-5-320	Y		Floating roof fitting closure standards; includes gasketed covers	BAAQMD 8-5-401.2	P/SA	Measurement and visual inspection

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – B6
Applicable Limits and Compliance Monitoring Requirements
MACT (SMALL) ZERO GAP EXTERNAL FLOATING ROOF TANK
S-121 (TANK 166)

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 8-5-321	Y		Primary rim-seal standards; includes gap criteria	BAAQMD 8-5-401.1	P/SA and every time a seal is replaced	Seal inspection
VOC	BAAQMD 8-5-322	Y		Secondary rim-seal standards; includes gap criteria	BAAQMD 8-5-401.1	P/SA and every time a seal is replaced	Seal inspection
VOC	BAAQMD 8-5-328.1.2	Y		Concentration of < 10,000 ppm as methane after degassing	BAAQMD 8-5-503	periodic each time emptied & degassed	Portable hydrocarbon detector
VOC		Y		Certification reports on tank inspections and source tests	BAAQMD 8-5-404 8-5-405	periodic after each tank inspection and source test	Certification Report
VOC		Y		Records of tank seal replacement	BAAQMD 8-5-501.2	periodic for each tank seal replacement	Records
VOC		Y		Determination of applicability	BAAQMD 8-5-604	P/E	look-up table or sample analysis
NESHAPS CC	**40 CFR 63 Subpart CC – NESHAPS for Petroleum Refineries MONITORING FOR RECORDKEEPING ONLY**						
HAP	40 CFR 63.641	Y		Retain weight percent total organic HAP in stored liquid for Group 2 determination.	40 CFR 63.654(i)(1)(iv)	periodic initially and upon change in service	Records
BAAQMD Permit	**PERMIT CONDITIONS**						
throughput	BAAQMD Condition 20989, Part A	N		3.52 E 4 bbl/yr	BAAQMD Condition 20989, Part A	P/M	records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – B7
Applicable Limits and Compliance Monitoring Requirements
NSPS Kb Zero gap External Floating Roof Tanks
S-439 (Tank 109), S-440 (Tank 110), S-442 (Tank 112), S-444 (Tank 243), S-451 (Tank 695)

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 EXTERNAL FLOATING-ROOF TANKS**						
VOC	BAAQMD 8-5-301	Y		Record of liquids stored and true vapor pressure	BAAQMD 8-5-501.1	periodic initially and upon change of service	records
VOC	BAAQMD 8-5-320	Y		Floating roof fitting closure standards; includes gasketed covers	BAAQMD 8-5-401.2	P/SA	Measurement and visual inspection
VOC	BAAQMD 8-5-321	Y		Primary rim-seal standards; includes gap criteria	BAAQMD 8-5-401.1	P/SA and every time a seal is replaced	Seal inspection
VOC	BAAQMD 8-5-322	Y		Secondary rim-seal standards; includes gap criteria	BAAQMD 8-5-401.1	P/SA and every time a seal is replaced	Seal inspection
VOC	BAAQMD 8-5-328.1.2	Y		Concentration of < 10,000 ppm as methane after degassing	BAAQMD 8-5-503	periodic each time emptied & degassed	Portable hydrocarbon detector
VOC		Y		Certification reports on tank inspections and source tests	BAAQMD 8-5-404 8-5-405	periodic after each tank inspection and source test	Certification report
VOC		Y		Records of tank seal replacement	BAAQMD 8-5-501.2	periodic after each tank seal inspection	records
VOC		Y		Determination of applicability	BAAQMD 8-5-604	P/E	look-up table or sample analysis
NESHAPS CC and NSPS Kb	**40 CFR 63 Subpart CC – NESHAPS for Petroleum Refineries 40 CFR 60 Subpart Kb – NSPS for VOL Storage Vessels LIMITS AND MONITORING FOR EXTERNAL FLOATING ROOF TANKS**						
VOC	40 CFR 63.640 (n)(1), 60.112b (a)(2)(ii)	Y		Deck fitting closure standards; includes gasketed covers	40 CFR 63.640(n)(8), 60.113b (b)(6)	periodic initially & each time emptied & degassed	visual inspection

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – B7
Applicable Limits and Compliance Monitoring Requirements
NSPS KB ZERO GAP EXTERNAL FLOATING ROOF TANKS
S-439 (TANK 109), S-440 (TANK 110), S-442 (TANK 112), S-444 (TANK 243), S-451 (TANK 695)

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	40 CFR 63.640 (n)(1), 60.113b (b)(4)(i)	Y		Primary rim-seal standards; includes gap criteria	40 CFR 63.640(n)(8), 60.113b (b)(1)-(b)(3)	periodic initially & at 5 yr intervals	measurement and visual inspection
VOC	40 CFR 63.640 (n)(1), 60.113b (b)(4)(ii)	Y		Secondary rim-seal standards; includes gap criteria	40 CFR 63.640(n)(8), 60.113b (b)(1)-(b)(3)	periodic initially & annually	measurement and visual inspection
VOC	40 CFR 63.640 (n)(1), 60.116b (c)	Y		Record of liquid stored and rue vapor pressure	40 CFR 63.640(n)(8), 60.116b (c) & (e)	periodic upon change of service	Records
VOC		Y		Seal inspection records for report in 40 CFR 60.115b(b)(2)	40 CFR 63.640(n)(8), 60.115b(b)(3)	periodic For each gap measurement	Records
VOC		Y		Inspection report for seal gap measurements	40 CFR 63.640(n)(8), 60.115b(b)(2)	periodic Within 60 days of seal gap measurement	Report
VOC		Y		Inspection report for non-compliant seals	40 CFR 63.640(n)(8), 60.115b(b)(4)	periodic Within 30 days of seal inspection	Report
BAAQMD Permit	**PERMIT CONDITIONS**						
The following applies to S-439 only							
throughput	BAAQMD Condition 12124, Part 1	Y		3,650,000 bbl/yr	BAAQMD Condition 12124, Part 3	P/M	records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – B7
Applicable Limits and Compliance Monitoring Requirements
NSPS KB ZERO GAP EXTERNAL FLOATING ROOF TANKS
S-439 (TANK 109), S-440 (TANK 110), S-442 (TANK 112), S-444 (TANK 243), S-451 (TANK 695)

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
The following applies to S-440 only							
throughput	BAAQMD Condition 12125, Part 1	Y		3,600,000 bbl/yr	BAAQMD Condition 12125, Part 3	P/M	records
The following applies to S-442 only							
throughput	BAAQMD Condition 12127, Part 1	Y		2,740,000 bbl/yr	BAAQMD Condition 12127, Part 3	P/M	records
The following applies to S-444 only							
throughput	BAAQMD Condition 12129, Part 1	Y		4,380,000 bbl/yr	BAAQMD Condition 12129, Part 3	P/M	records
The following applies to S-451 only							
throughput	BAAQMD Condition 19476, Part 1	Y		11,000,000 bbl/yr	BAAQMD Condition 19476, Part 3	P/M	Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – B8
Applicable Limits and Compliance Monitoring Requirements
NSPS KB ZERO GAP EXTERNAL FLOATING ROOF STORMWATER EQUILIZATION TANKS
S-101 (TANK 104), S-102 (TANK 105), S-106 (TANK 130)

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 EXTERNAL FLOATING-ROOF TANKS**						
VOC	BAAQMD 8-5-301	Y		Record of liquids stored and true vapor pressure	BAAQMD 8-5-501.1	periodic initially and upon change of service	records
VOC	BAAQMD 8-5-320	Y		Floating roof fitting closure standards; includes gasketed covers	BAAQMD 8-5-401.2	P/SA	Measurement and visual inspection
VOC	BAAQMD 8-5-321	Y		Primary rim-seal standards; includes gap criteria	BAAQMD 8-5-401.1	P/SA and every time a seal is replaced	Seal inspection
VOC	BAAQMD 8-5-322	Y		Secondary rim-seal standards; includes gap criteria	BAAQMD 8-5-401.1	P/SA and every time a seal is replaced	Seal inspection
VOC	BAAQMD 8-5-328.1.2	Y		Concentration of < 10,000 ppm as methane after degassing	BAAQMD 8-5-503	periodic each time emptied & degassed	Portable hydrocarbon detector
VOC		Y		Certification reports on tank inspections and source tests	BAAQMD 8-5-404 8-5-405	periodic after each tank inspection and source test	Certification report
VOC		Y		Records of tank seal replacement	BAAQMD 8-5-501.2	periodic after each tank seal inspection	records
VOC		Y		Determination of applicability	BAAQMD 8-5-604	P/E	look-up table or sample analysis

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – B8
Applicable Limits and Compliance Monitoring Requirements
NSPS Kb Zero gap External Floating Roof Stormwater Equilization Tanks S-101 (Tank 104), S-102 (Tank 105), S-106 (Tank 130)

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
The following apply to S-106 only							
VOC	BAAQMD 8-5-303.1	Y		Pressure vacuum valve set pressure within 10% of maximum allowable working pressure of the tank, or at least 0.5 psig	BAAQMD 8-5-403	P/SA	visual inspection
VOC	BAAQMD 8-5-303.2	Y		Pressure vacuum valve must be gas-tight: < 500 ppm (as methane) above background	BAAQMD 8-5-403 8-5-503 8-5-605	P/SA	Method 21 portable hydrocarbon detector
The following apply to S-106 only							
BAAQMD 8-8	**BAAQMD 8-8 – Organic Compounds – Wastewater (Oil Water Separators)**						
VOC	BAAQMD 8-8-302.2 8-8-302.2.1	Y		Primary seal gap criteria	BAAQMD 8-8-302.2.3	periodic initially and every 5 years	measurement and inspection
VOC	BAAQMD 8-8-302.2 8-8-302.2.2	Y		Secondary and wiper seal gap criteria	BAAQMD 8-8-302.2.3	periodic initially and every 5 years	measurement and inspection
VOC	BAAQMD 8-8-303	Y		Vapor tight gauging and sampling devices	BAAQMD 8-8-504 8-8-603	N	Portable hydrocarbon detector
NONE	**40 CFR 63 Subpart CC – NESHAPS for Petroleum Refineries NO MONITORING REQUIREMENTS FOR GROUP 2 WASTEWATER SOURCES**						
NSPS Kb and NSPS QQQ	**40 CFR 60 Subpart Kb – NSPS for VOL Storage Vessels 40 CFR 60 Subpart QQQ – VOC Emissions from Petroleum Refinery Wastewater Systems LIMITS AND MONITORING FOR EXTERNAL FLOATING ROOF TANKS**						
VOC	40 CFR 60.692-3(d) 60.112b (a)(2)(ii)	Y		Deck fitting closure standards; includes gasketed covers	40 CFR 60.692-3(d) 60.113b (b)(6)	periodic initially & each time emptied & degassed	visual inspection
VOC	40 CFR 60.692-3(d) 60.113b (b)(4)(i)	Y		Primary rim-seal standards; includes gap criteria	40 CFR 60.692-3(d) 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 – B8
Applicable Limits and Compliance Monitoring Requirements
NSPS KB ZERO GAP EXTERNAL FLOATING ROOF STORMWATER EQUILIZATION TANKS
S-101 (TANK 104), S-102 (TANK 105), S-106 (TANK 130)

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	40 CFR 60.692-3(d) 60.113b (b)(4)(ii)	Y		Secondary rim-seal standards; includes gap criteria	40 CFR 60.692-3(d) 60.113b (b)(1)-(b)(3)	periodic initially & annually	measurement and visual inspection
VOC	40 CFR 60.692-3(d) 60.116b (c)	Y		Record of liquid stored and true vapor pressure	40 CFR 60.692-3(d) 60.116b (c) & (e)	periodic upon change of service	Records
VOC		Y		Seal inspection records for report in 40 CFR 60.115b(b)(2)	40 CFR 60.692-3(d) 60.115b(b)(3)	periodic For each gap measurement	Records
VOC		Y		Inspection report for seal gap measurements	40 CFR 60.692-3(d) 60.115b(b)(2)	periodic Within 60 days of seal gap measurement	Report
VOC		Y		Inspection report for non-compliant seals	40 CFR 60.692-3(d) 60.115b(b)(4)	periodic Within 30 days of seal inspection	Report
BAAQMD Permit	**PERMIT CONDITIONS**						
throughput	BAAQMD Condition 20989, Part A	Y		S-101: 3.68 E 9 gal/yr S-102: 3.68 E 9 gall/yr S-106: 3.68 E 9 gal/yr	BAAQMD Condition 20989, Part A	P/M	records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – B9
Applicable Limits and Compliance Monitoring Requirements
NSPS KB ZERO GAP INTERNAL FLOATING ROOF TANK
S-448 (TANK 1007)

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 INTERNAL FLOATING-ROOF TANKS**						
VOC	BAAQMD 8-5-301	Y		Record of liquids stored and true vapor pressure	BAAQMD 8-5-501.1	periodic initially and upon change of service	Records
VOC	BAAQMD 8-5-320	Y		Floating roof fitting closure standards; includes gasketed covers	BAAQMD 8-5-402.3	P/SA	Measurement and visual inspection
VOC	BAAQMD 8-5-321	Y		Primary rim-seal standards; includes gap criteria	BAAQMD 8-5-402.1	periodic 10 year intervals and every time a seal is replaced	Seal inspection
VOC	BAAQMD 8-5-322	Y		Secondary rim-seal standards; includes gap criteria	BAAQMD 8-5-402.1	periodic 10 year intervals and every time a seal is replaced	Seal inspection
VOC	BAAQMD 8-5-305, 8-5-321.1, 8-5-322.1	Y		Visual inspection of outer most seal	BAAQMD 8-5-402.2	P/SA	Visual inspection
VOC	BAAQMD 8-5-328.1.2	Y		Concentration of < 10,000 ppm as methane after degassing	BAAQMD 8-5-503	periodic each time emptied & degassed	Portable hydrocarbon detector
VOC		Y		Certification reports on tank inspections and source tests	BAAQMD 8-5-404 8-5-405	periodic after each tank inspection and source test	Certification report

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – B9
Applicable Limits and Compliance Monitoring Requirements
NSPS KB ZERO GAP INTERNAL FLOATING ROOF TANK
S-448 (TANK 1007)

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC		Y		Records of tank seal replacement	BAAQMD 8-5-501.2	periodic after each tank seal inspection	Records
VOC		Y		Determination of applicability	BAAQMD 8-5-604	P/E	look-up table or sample analysis
NESHAPS CC and NSPS Kb	**40 CFR 63 Subpart CC – NESHAPS for Petroleum Refineries** **40 CFR 60 Subpart Kb – NSPS for VOL Storage Vessels** **LIMITS AND MONITORING FOR INTERNAL FLOATING ROOF TANKS**						
VOC	40 CFR 63.640 (n)(1), 60.112b (a)(1)	Y		Deck fitting closure standards; includes gasketed covers	40 CFR 63.640(n)(8), 60.113b (a)(3) & (4)	periodic initially & each time emptied & degassed, at least every 10 yr	visual inspection
VOC	40 CFR 63.640 (n)(1), 60.113b (a)(1) & (4)	Y		Primary rim-seal standards; no holes or tears	40 CFR 63.640(n)(8), 60.113b (a)(3) & (4)	periodic initially & each time emptied & degassed, at least every 10 yr	visual inspection
VOC	40 CFR 63.640 (n)(1), 60.113b (a)(1) & (4)	Y		Secondary rim-seal standards; no holes or tears	40 CFR 63.640(n)(8), 60.113b (a)(3) & (4)	periodic initially & each time emptied & degassed, at least every 10 yr	visual inspection
VOC	40 CFR 63.640 (n)(1), 60.113b (a)(2)	Y		Internal visual inspection from viewports of fixed roof	40 CFR 63.640(n)(8), 60.113b (a)(2) & (3)	periodic initially & annually	visual inspection

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – B9
Applicable Limits and Compliance Monitoring Requirements
NSPS KB ZERO GAP INTERNAL FLOATING ROOF TANK
S-448 (TANK 1007)

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	40 CFR 63.640 (n)(1), 60.116b (c)	Y		Record of liquid stored and true vapor pressure	40 CFR 63.640(n)(8), 60.116b (c) & (e)	periodic upon change of service	records
VOC		Y		Record of each initial, annual, and 10-year tank inspection	40 CFR 63.640(n)(8), 60.115b(a)(2)	periodic for each tank inspection	records
VOC		Y		Report of non-compliant annual inspection for tanks with secondary seals	40 CFR 63.640(n)(8), 60.115b(a)(4)	periodic within 30 days of tank inspection	report
BAAQMD Permit	**PERMIT CONDITIONS**						
throughput	BAAQMD Condition 12133, Part 1	Y		2,190,000 bbl/yr	BAAQMD Condition 12133, Part 3	P/M	records

Table VII – B10
Applicable Limits and Compliance Monitoring Requirements
INTERNAL FLOATING ROOF TANKS WITH DOME ROOFS
PREVIOUSLY EXTERNAL FLOATING ROOF TANKS
S-126 (Tank 172), S-257 (Tank 1004), S-258 (Tank 1005)

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 INTERNAL FLOATING-ROOF TANKS**						
VOC	BAAQMD 8-5-301	Y		Record of liquids stored and true vapor pressure	BAAQMD 8-5-501.1	periodic initially and upon change of service	Records
VOC	BAAQMD 8-5-320	Y		Floating roof fitting closure standards; includes gasketed covers	BAAQMD 8-5-402.3	P/SA	Measurement and visual inspection

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – B10
Applicable Limits and Compliance Monitoring Requirements
INTERNAL FLOATING ROOF TANKS WITH DOME ROOFS
PREVIOUSLY EXTERNAL FLOATING ROOF TANKS
S-126 (Tank 172), S-257 (Tank 1004), S-258 (Tank 1005)

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 8-5-321	Y		Primary rim-seal standards; includes gap criteria	BAAQMD 8-5-402.1	periodic 10 year intervals and every time a seal is replaced	Seal inspection
VOC	BAAQMD 8-5-322	Y		Secondary rim-seal standards; includes gap criteria	BAAQMD 8-5-402.1	periodic 10 year intervals and every time a seal is replaced	Seal inspection
VOC	BAAQMD 8-5-305, 8-5-321.1, 8-5-322.1	Y		Visual inspection of outer most seal	BAAQMD 8-5-402.2	P/SA	Visual inspection
VOC	BAAQMD 8-5-328.1.2	Y		Concentration of < 10,000 ppm as methane after degassing	BAAQMD 8-5-503	periodic each time emptied & degassed	Portable hydrocarbon detector
VOC		Y		Certification reports on tank inspections and source tests	BAAQMD 8-5-404 8-5-405	periodic after each tank inspection and source test	Certification report
VOC		Y		Records of tank seal replacement	BAAQMD 8-5-501.2	periodic after each tank seal inspection	Records
VOC		Y		Determination of applicability	BAAQMD 8-5-604	P/E	look-up table or sample analysis
The following apply only to S-126 and S-258							
VOC	BAAQMD 8-5-303.1	Y		Pressure vacuum valve set pressure within 10% of maximum allowable working pressure of the tank, or at least 0.5 psig	BAAQMD 8-5-403	P/SA	visual inspection

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – B10
Applicable Limits and Compliance Monitoring Requirements
INTERNAL FLOATING ROOF TANKS WITH DOME ROOFS
PREVIOUSLY EXTERNAL FLOATING ROOF TANKS
S-126 (Tank 172), S-257 (Tank 1004), S-258 (Tank 1005)

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 8-5-303.2	Y		Pressure vacuum valve must be gas-tight: < 500 ppm (as methane) above background	BAAQMD 8-5-403 8-5-503 8-5-605	P/SA	Method 21 portable hydrocarbon detector
The following apply only to S-126 and S-258							
NESHAPS CC	**40 CFR 63 Subpart CC – NESHAPS for Petroleum Refineries** **40 CFR 63 Subpart G – SOCMI HON** **LIMITS AND MONITORING FOR INTERNAL FLOATING ROOF TANKS**						
HAP	40 CFR 63.646(f)	Y		Deck fitting closure standards	40 CFR 63.646 (a) & (e) 63.120(a)(3)	periodic each time emptied & degassed, at least every 10 years	visual inspection
HAP	40 CFR 63.646(a) 63.120(a)(7)	Y		Primary rim-seal standards; no holes or tears	40 CFR 63.646(a) 63.120(a)(3)	periodic each time emptied & degassed, at least every 10 years	visual inspection
HAP	40 CFR 63.646(a) 63.120(a)(4)	Y		No gaps visible from the tank top	40 CFR 63.646(a) 63.120(a)(3)	P/A	visual inspection
HAP	40 CFR 63.646(a) 63.120(a)(4)	Y		No liquid on the floating roof or other obvious defects visible from the tank top	40 CFR 63.646(a) 63.120(a)(3)	P/A	visual inspection
BAAQMD Permit	**PERMIT CONDITIONS**						
throughput	BAAQMD Condition 20989, Part A	N		S-126: 1.05 E 7 bbl/yr S-257: 7.01 E 7 bbl/yr S-258: 7.01 E 7 bbl/yr	BAAQMD Condition , Part A	P/M	records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – B11
Applicable Limits and Compliance Monitoring Requirements
NSPS Kb Fixed Roof Tanks with Vapor Recovery to Fuel Gas
S-360 (Tank 223), S-445 (Tank 271)S-449 (Tank 285)

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
BAAQMD 8-5	**Organic Compounds - STORAGE OF ORGANIC LIQUIDS LIMITS AND MONITORING FOR CVS & CONTROL DEVICES**						
VOC	BAAQMD 8-5-301	Y		Record of liquids stored and true vapor pressure	BAAQMD 8-5-501.1	periodic initially and upon change of service	records
VOC	BAAQMD 8-5-303.1	Y		Pressure vacuum valve set pressure within 10% of maximum allowable working pressure of the tank, or at least 0.5 psig	BAAQMD 8-5-403	P/SA	visual inspection
VOC	BAAQMD 8-5-303.2	Y		Pressure vacuum valve must be gas-tight: < 500 ppm (as methane) above background	BAAQMD 8-5-403 8-5-503 8-5-605	P/SA	Method 21 portable hydrocarbon detector
VOC	BAAQMD 8-5-306	Y		Control device standards; includes 95% efficiency requirement	BAAQMD 8-5-603.1	not specified	MOP Volume IV ST-4
VOC	BAAQMD 8-5-328.1.2	Y		Organic concentration in tank <10,000 ppm as methane after cleaning	BAAQMD 8-5-503	periodic each time emptied & degassed	portable hydrocarbon detector
VOC		Y		Determination of applicability	BAAQMD 8-5-604	P/E	look-up table or sample analysis
NONE	**40 CFR 63 Subpart CC – NESHAPS for Petroleum Refineries Exempt per 63.640(d)(5). Emission point routed to fuel gas system.**						
NSPS Kb	**40 CFR 60 Subpart Kb – NSPS for VOL Storage Vessels LIMITS AND MONITORING FOR CVS & CONTROL DEVICES (NOT A FLARE)**						
VOC	40 CFR 60.112b (a)(3)(i)	Y		Closed vent system leak tightness standards (< 500 ppmw)	40 CFR 60.112b (a)(3)(i)	as required in 40 CFR 60.485(b) [Subpart VV]	Method 21
VOC	40 CFR 60.112b (a)(3)(ii)	Y		Control device standards; includes 95% efficiency requirement	40 CFR 60.113b (c)(2)	as approved	specified parameter
BAAQMD Permit	**PERMIT CONDITIONS**						

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – B11
Applicable Limits and Compliance Monitoring Requirements
NSPS KB FIXED ROOF TANKS WITH VAPOR RECOVERY TO FUEL GAS
S-360 (TANK 223), S-445 (TANK 271)S-449 (TANK 285)

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
The following applies to S-445 only							
VOC	BAAQMD Condition 12130, Part 1	Y		Requirement to vent working emissions to fuel gas system	None	N	None
The following applies to S-449 only							
VOC	BAAQMD Condition 11219, Part 1	Y		Requirement to vent working emissions to fuel gas system	None	N	None
The following applies to S-360 only							
throughput	BAAQMD Condition 20989, Part A	Y		2.78 E 6 bbl/yr	BAAQMD Condition 20989, Part A	P/M	records

Table VII – B12
Applicable Limits and Compliance Monitoring Requirements
NSPS KB FIXED ROOF TANKS WITH VAPOR PRESSURE >= 76.6 KPA (11 PSIA) WITH VAPOR RECOVERY TO FUEL GAS
S-446 (TANK 310), S-447 (TANK 311)

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
BAAQMD 8-5	**Organic Compounds - STORAGE OF ORGANIC LIQUIDS LIMITS AND MONITORING FOR CVS & CONTROL DEVICES**						
VOC	BAAQMD 8-5-301	Y		Record of liquids stored and true vapor pressure	BAAQMD 8-5-501.1	periodic initially and upon change of service	records
VOC	BAAQMD 8-5-303.1	Y		Pressure vacuum valve set pressure within 10% of maximum allowable working pressure of the tank, or at least 0.5 psig	BAAQMD 8-5-403	P/SA	visual inspection
VOC	BAAQMD 8-5-303.2	Y		Pressure vacuum valve must be gas-tight: < 500 ppm (as methane) above background	BAAQMD 8-5-403 8-5-503 8-5-605	P/SA	Method 21 portable hydrocarbon detector

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – B12
Applicable Limits and Compliance Monitoring Requirements
NSPS Kb Fixed Roof Tanks with Vapor Pressure >= 76.6 kPa (11 psia) with Vapor Recovery to Fuel Gas
S-446 (Tank 310), S-447 (Tank 311)

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 8-5-306	Y		Control device standards; includes 95% efficiency requirement	BAAQMD 8-5-603.1	not specified	MOP Volume IV ST-4
VOC	BAAQMD 8-5-328.1.2	Y		Organic concentration in tank <10,000 ppm as methane after cleaning	BAAQMD 8-5-503	periodic each time emptied & degassed	portable hydrocarbon detector
VOC		Y		Determination of applicability	BAAQMD 8-5-604	P/E	look-up table or sample analysis
NONE	**40 CFR 63 Subpart CC – NESHAPS for Petroleum Refineries** **Exempt per 63.640(d)(5). Emission point routed to fuel gas system.**						
NSPS Kb	**40 CFR 60 Subpart Kb – NSPS for VOL Storage Vessels** **LIMITS AND MONITORING FOR CVS & CONTROL DEVICES (NOT A FLARE)**						
VOC	40 CFR 60.112b (a)(3)(i)	Y		Closed vent system leak tightness standards (< 500 ppmw)	40 CFR 60.112b (a)(3)(i)	as required in 40 CFR 60.485(b) [Subpart VV]	Method 21
VOC	40 CFR 60.112b (a)(3)(ii)	Y		Control device standards; includes 95% efficiency requirement	40 CFR 60.113b(c)(2)	as approved	specified parameter
BAAQMD Permit	**PERMIT CONDITIONS**						
The following applies only to S-446							
VOC	BAAQMD Condition 12131, Part 1	Y		Requirement to vent working emissions to fuel gas system	None	N	None
The following applies only to S-447							

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – B12
Applicable Limits and Compliance Monitoring Requirements
NSPS KB FIXED ROOF TANKS WITH VAPOR PRESSURE >= 76.6 KPA (11 PSIA) WITH VAPOR RECOVERY TO FUEL GAS
S-446 (TANK 310), S-447 (TANK 311)

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD Condition 12132, Part 1	Y		Requirement to vent working emissions to fuel gas system	None	N	None

Table VII – B13
Applicable Limits and Compliance Monitoring Requirements
MACT ZERO-GAP EXTERNAL FLOATING-ROOF TANKS
S-97 (TANK 100), S-100 (TANK 103), S-110 (TANK 155), S-111 (TANK 156), S-112 (TANK 157), S-114 (TANK 159), S-115 (TANK 160), S-122 (TANK 167), S-123 (TANK 168), S-128 (TANK 174), S-129 (TANK 180), S-150 (TANK 241), S-151 (TANK 242), S-177 (TANK 287), S-178 (TANK 288), S-186 (TANK 298), S-254 (TANK 1001), S-255 (TANK 1002), S-256 (TANK 1003), S-259 (TANK 1006)

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 EXTERNAL FLOATING-ROOF TANKS**						
VOC	BAAQMD 8-5-301	Y		Record of liquids stored and true vapor pressure	BAAQMD 8-5-501.1	periodic initially and upon change of service	Records
VOC	BAAQMD 8-5-320	Y		Floating roof fitting closure standards; includes gasketed covers	BAAQMD 8-5-401.2	P/SA	Measurement and visual inspection
VOC	BAAQMD 8-5-321	Y		Primary rim-seal standards; includes gap criteria	BAAQMD 8-5-401.1	P/SA and every time a seal is replaced	Seal inspection
VOC	BAAQMD 8-5-322	Y		Secondary rim-seal standards; includes gap criteria	BAAQMD 8-5-401.1	P/SA and every time a seal is replaced	Seal inspection

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – B13
Applicable Limits and Compliance Monitoring Requirements
MACT ZERO-GAP EXTERNAL FLOATING-ROOF TANKS
S-97 (TANK 100), S-100 (TANK 103), S-110 (TANK 155), S-111 (TANK 156), S-112 (TANK 157), S-114 (TANK 159), S-115 (TANK 160), S-122 (TANK 167), S-123 (TANK 168), S-128 (TANK 174), S-129 (TANK 180), S-150 (TANK 241), S-151 (TANK 242), S-177 (TANK 287), S-178 (TANK 288), S-186 (TANK 298), S-254 (TANK 1001), S-255 (TANK 1002), S-256 (TANK 1003), S-259 (TANK 1006)

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 8-5-328.1.2	Y		Concentration of < 10,000 ppm as methane after degassing	BAAQMD 8-5-503	periodic each time emptied & degassed	Portable hydrocarbon detector
VOC		Y		Certification reports on tank inspections and source tests	BAAQMD 8-5-404 8-5-405	periodic after each tank inspection and source test	Reports
VOC		Y		Records of tank seal replacement	BAAQMD 8-5-501.2	periodic after each tank seal inspection	Records
VOC		Y		Determination of applicability	BAAQMD 8-5-604	P/E	look-up table or sample analysis
The following apply only to S-110 (Tank 155), S-115 (Tank 160), S-123 (Tank 168), S-128 (Tank 174), S-129 (Tank 180), and S-178 (Tank 288)							
VOC	BAAQMD 8-5-303.1	Y		Pressure vacuum valve set pressure within 10% of maximum allowable working pressure of the tank, or at least 0.5 psig	BAAQMD 8-5-403	P/SA	visual inspection
VOC	BAAQMD 8-5-303.2	Y		Pressure vacuum valve must be gas-tight: < 500 ppm (as methane) above background	BAAQMD 8-5-403 8-5-503 8-5-605	P/SA	Method 21 portable hydrocarbon detector
The following apply only to S-110 (Tank 155), S-115 (Tank 160), S-123 (Tank 168), S-128 (Tank 174), S-129 (Tank 180), and S-178 (Tank 288)							
NESHAPS CC	**40 CFR 63 Subpart CC – NESHAPS for Petroleum Refineries** **40 CFR 63 Subpart G – SOCMI HON** **LIMITS AND MONITORING FOR EXTERNAL FLOATING ROOF TANKS**						

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – B13
Applicable Limits and Compliance Monitoring Requirements
MACT ZERO-GAP EXTERNAL FLOATING-ROOF TANKS
S-97 (TANK 100), S-100 (TANK 103), S-110 (TANK 155), S-111 (TANK 156), S-112 (TANK 157), S-114 (TANK 159), S-115 (TANK 160), S-122 (TANK 167), S-123 (TANK 168), S-128 (TANK 174), S-129 (TANK 180), S-150 (TANK 241), S-151 (TANK 242), S-177 (TANK 287), S-178 (TANK 288), S-186 (TANK 298), S-254 (TANK 1001), S-255 (TANK 1002), S-256 (TANK 1003), S-259 (TANK 1006)

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	40 CFR 63.646(f)	Y		Deck fitting closure standards	40 CFR 63.646 (a) & (e) 63.120 (b)(10)	periodic initially & each time emptied & degassed	visual inspection
HAP	40 CFR 63.646(a) 63.120 (b)(3)&(5)	Y		Primary rim-seal standards; includes gap criteria	40 CFR 63.646(a) 63.120 (b)(1) & (2)	periodic initially & at 5 yr intervals	measurement and visual inspection
HAP	40 CFR 63.646(a) 63.120 (b)(4)&(6)	Y		Secondary rim-seal standards; includes gap criteria	40 CFR 63.646(a) 63.120 (b)(1) & (2)	periodic initially & annually	measurement and visual inspection
BAAQMD Permit	**PERMIT CONDITIONS**						
throughput	BAAQMD Condition 20989, Part A	N		S-97: 1.1 E 7 bbl/yr S-100: 4.38 E 6 bbl/yr S-110: 1.40 E 7 bbl/yr S-111: 1.31 E 7 bbl/yr S-112: 1.49 E 7 bbl/yr S-114: 1.31 E 7 bbl/yr S-115: 4.38 E 6 bbl/yr S-122: 4.38 E 6 bbl/yr S-123: 5.1 E 6 bbl/yr S-128: 5.1 E 6 bbl/yr S-177: 2.63 E 7 bbl/yr S-186: 4.38 E 6 bbl/yr S-254: 7.01 E 7 bbl/yr S-255: 7.01 E 7 bbl/yr S-256: 7.01 E 7 bbl/yr S-259: 7.01 E 7 bbl/yr	BAAQMD Condition 20989, Part A	P/M	Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – B13
Applicable Limits and Compliance Monitoring Requirements
MACT ZERO-GAP EXTERNAL FLOATING-ROOF TANKS
S-97 (TANK 100), S-100 (TANK 103), S-110 (TANK 155), S-111 (TANK 156), S-112 (TANK 157), S-114 (TANK 159), S-115 (TANK 160), S-122 (TANK 167), S-123 (TANK 168), S-128 (TANK 174), S-129 (TANK 180), S-150 (TANK 241), S-151 (TANK 242), S-177 (TANK 287), S-178 (TANK 288), S-186 (TANK 298), S-254 (TANK 1001), S-255 (TANK 1002), S-256 (TANK 1003), S-259 (TANK 1006)

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
throughput	BAAQMD Condition 20989, Part A	Y		S-129: 4.6 E 6 bbl/yr S-150: 4.38 E 7 bbl/yr S-151: 4.38 E 7 bbl/yr S-178: 3.50 E 7 bbl/yr	BAAQMD Condition 20989, Part A	P/M	records

Table VII – B14
Applicable Limits and Compliance Monitoring Requirements
NSPS K AND NSPS KA ZERO-GAP EXTERNAL FLOATING ROOF TANKS
NSPS K - S-334 (TANK 107),
NSPS KA - S-341 (TANK 208), S-342 (TANK 209), S-343 (TANK 210)

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 EXTERNAL FLOATING-ROOF TANKS**						
VOC	BAAQMD 8-5-301	Y		Record of liquids stored and true vapor pressure	BAAQMD 8-5-501.1	periodic initially and upon change of service	Records
VOC	BAAQMD 8-5-320	Y		Floating roof fitting closure standards; includes gasketed covers	BAAQMD 8-5-401.2	P/SA	Measurement and visual inspection
VOC	BAAQMD 8-5-321	Y		Primary rim-seal standards; includes gap criteria	BAAQMD 8-5-401.1	P/SA and every time a seal is replaced	Seal inspection
VOC	BAAQMD 8-5-322	Y		Secondary rim-seal standards; includes gap criteria	BAAQMD 8-5-401.1	P/SA and every time a seal is replaced	Seal inspection

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – B14
Applicable Limits and Compliance Monitoring Requirements
NSPS K AND NSPS KA ZERO-GAP EXTERNAL FLOATING ROOF TANKS
NSPS K - S-334 (TANK 107),
NSPS KA - S-341 (TANK 208), S-342 (TANK 209), S-343 (TANK 210)

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 8-5-328.1.2	Y		Concentration of < 10,000 ppm as methane after degassing	BAAQMD 8-5-503	periodic each time emptied & degassed	Portable hydrocarbon detector
VOC		Y		Certification reports on tank inspections and source tests	BAAQMD 8-5-404 8-5-405	periodic after each tank inspection and source test	Reports
VOC		Y		Records of tank seal replacement	BAAQMD 8-5-501.2	periodic after each tank seal inspection	Records
VOC		Y		Determination of applicability	BAAQMD 8-5-604	P/E	look-up table or sample analysis
NESHAPS CC, NSPS K (note 2), and NSPS Ka (note 3)	**40 CFR 63 Subpart CC – NESHAPS for Petroleum Refineries** **40 CFR 63 Subpart G – SOCMI HON** **40 CFR 60 Subpart K – NSPS for Petroleum Storage Vessels** **40 CFR 60 Subpart Ka – NSPS for Petroleum Storage Vessels** **LIMITS AND MONITORING FOR EXTERNAL FLOATING ROOF TANKS**						
HAP	40 CFR 63.640(n)(5) 63.646(f)	Y		Deck fitting closure standards	40 CFR 63.640(n)(5) 63.646 (a) & (e) 63.120 (b)(10)	periodic initially & each time emptied & degassed	visual inspection
HAP	40 CFR 63.640(n)(5) 63.646(a) 63.120 (b)(3)&(5)	Y		Primary rim-seal standards; includes gap criteria	40 CFR 63.640(n)(5) 63.646(a) 63.120 (b)(1) & (2)	periodic initially & at 5 yr intervals	measurement and visual inspection
HAP	40 CFR 63.640(n)(5) 63.646(a) 63.120 (b)(4)&(6)	Y		Secondary rim-seal standards; includes gap criteria	40 CFR 63.640(n)(5) 63.646(a) 63.120 (b)(1) & (2)	periodic initially & annually	measurement and visual inspection

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – B14
Applicable Limits and Compliance Monitoring Requirements
NSPS K AND NSPS KA ZERO-GAP EXTERNAL FLOATING ROOF TANKS
NSPS K - S-334 (TANK 107),
NSPS KA - S-341 (TANK 208), S-342 (TANK 209), S-343 (TANK 210)

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 Permit	**PERMIT CONDITIONS**						
throughput	BAAQMD Condition 20989, Part A	Y		S-341: 4.38 E 7 bbl/yr S-342: 4.38 E 7 bbl/yr S-343: 4.38 E 7 bbl/yr	BAAQMD Condition 20989, Part A	P/M	Records
throughput	BAAQMD Condition 20989, Part A	N		S-334: 6.51 E 6 bbl/yr	BAAQMD Condition 20989, Part A	P/M	records

2. Tanks subject to 40 CFR 63 Subpart CC (MACT) and NSPS K are subject only to MACT per 63.640(n)(5). Source S-334 (Tank 107) is subject to NSPS K and MACT.
3. Tanks subject to 40 CFR 63 Subpart CC (MACT) and NSPS Ka are subject only to MACT per 63.640(n)(5). Sources S-341 (Tank 208), S-342 (Tank 209), and S-343 (Tank 210) are subject to NSPS Ka and MACT.

Table VII – B15
Applicable Limits and Compliance Monitoring Requirements
MACT FIXED ROOF TANKS WITH VAPOR RECOVERY TO FUEL GAS
S-139 (Tank 204), S-140 (Tank 205), S-182 (Tank 294)

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
BAAQMD 8-5	**Organic Compounds - STORAGE OF ORGANIC LIQUIDS LIMITS AND MONITORING FOR CVS & CONTROL DEVICES**						
VOC	BAAQMD 8-5-301	Y		Record of liquids stored and true vapor pressure	BAAQMD 8-5-501.1	periodic initially and upon change of service	records
VOC	BAAQMD 8-5-303.1	Y		Pressure vacuum valve set pressure within 10% of maximum allowable working pressure of the tank, or at least 0.5 psig	BAAQMD 8-5-403	P/SA	visual inspection

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – B15
Applicable Limits and Compliance Monitoring Requirements
MACT FIXED ROOF TANKS WITH VAPOR RECOVERY TO FUEL GAS
S-139 (Tank 204), S-140 (Tank 205), S-182 (Tank 294)

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 8-5-303.2	Y		Pressure vacuum valve must be gas-tight: < 500 ppm (as methane) above background	BAAQMD 8-5-403 8-5-503 8-5-605	P/SA	Method 21 portable hydrocarbon detector
VOC	BAAQMD 8-5-306	Y		Control device standards; includes 95% efficiency requirement	BAAQMD 8-5-603.1	not specified	MOP Volume IV ST-4
VOC	BAAQMD 8-5-328.1.2	Y		Organic concentration in tank <10,000 ppm as methane after cleaning	BAAQMD 8-5-503	periodic each time emptied & degassed	portable hydrocarbon detector
VOC		Y		Determination of applicability	BAAQMD 8-5-604	P/E	look-up table or sample analysis
NONE	**40 CFR 63 Subpart CC – NESHAPS for Petroleum Refineries Exempt per 63.640(d)(5). Emission point routed to fuel gas system.**						
BAAQMD Permit	**PERMIT CONDITIONS**						
The following applies to S-182 only							
VOC	BAAQMD Condition 13184, Part 1	Y		Requirement to vent working emissions to fuel gas system		N	
The following applies to S-139 and S-140 only							
throughput	BAAQMD Condition 20989, Part A	N		S-139: 2.74 E 6 bbl/yr S-140: 2.74 E 6 bbl/yr	BAAQMD Condition 20989, Part A	P/M	records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – B16
Applicable Limits and Compliance Monitoring Requirements
MACT ZERO GAP EXTERNAL FLOATING ROOF WASTEWATER SLOP OIL TANK
S-133 (TANK 193)

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 EXTERNAL FLOATING-ROOF TANKS**						
VOC	BAAQMD 8-5-301	Y		Record of liquids stored and true vapor pressure	BAAQMD 8-5-501.1	periodic initially and upon change of service	Records
VOC	BAAQMD 8-5-303.1	Y		Pressure vacuum valve set pressure within 10% of maximum allowable working pressure of the tank, or at least 0.5 psig	BAAQMD 8-5-403	P/SA	visual inspection
VOC	BAAQMD 8-5-303.2	Y		Pressure vacuum valve must be gas-tight: < 500 ppm (as methane) above background	BAAQMD 8-5-403 8-5-503 8-5-605	P/SA	Method 21 portable hydrocarbon detector
VOC	BAAQMD 8-5-320	Y		Floating roof fitting closure standards; includes gasketed covers	BAAQMD 8-5-401.2	P/SA	Measurement and visual inspection
VOC	BAAQMD 8-5-321	Y		Primary rim-seal standards; includes gap criteria	BAAQMD 8-5-401.1	P/SA and every time a seal is replaced	Seal inspection
VOC	BAAQMD 8-5-322	Y		Secondary rim-seal standards; includes gap criteria	BAAQMD 8-5-401.1	P/SA and every time a seal is replaced	Seal inspection
VOC	BAAQMD 8-5-328.1.2	Y		Concentration of < 10,000 ppm as methane after degassing	BAAQMD 8-5-503	periodic each time emptied & degassed	Portable hydrocarbon detector
VOC		Y		Certification reports on tank inspections and source tests	BAAQMD 8-5-404 8-5-405	periodic after each tank inspection and source test	reports

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – B16
Applicable Limits and Compliance Monitoring Requirements
MACT ZERO GAP EXTERNAL FLOATING ROOF WASTEWATER SLOP OIL TANK S-133 (TANK 193)

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC		Y		Records of tank seal replacement	BAAQMD 8-5-501.2	periodic after each tank seal inspection	records
VOC		Y		Determination of applicability	BAAQMD 8-5-604	P/E	look-up table or sample analysis
BAAQMD 8-8	**BAAQMD 8-8 – Organic Compounds – Wastewater (Oil Water Separators)**						
VOC	BAAQMD 8-8-303	Y		Vapor tight gauging and sampling devices	BAAQMD 8-8-504 8-8-603	N	Portable hydrocarbon detector
VOC	BAAQMD 8-8-305.1	Y		Slop oil tank vessel roof criteria; includes gap criteria	BAAQMD 8-8-305.1	periodic initially & semi-annually	visual inspection
NESHAPS CC	**40 CFR 63 Subpart CC – NESHAPS for Petroleum Refineries** **40 CFR 63 Subpart G – SOCMI HON** **LIMITS AND MONITORING FOR EXTERNAL FLOATING ROOF TANKS**						
HAP	40 CFR 63.646(f)	Y		Deck fitting closure standards	40 CFR 63.646 (a) & (e) 63.120 (b)(10)	periodic initially & each time emptied & degassed	visual inspection
HAP	40 CFR 63.646(a) 63.120 (b)(3)&(5)	Y		Primary rim-seal standards; includes gap criteria	40 CFR 63.646(a) 63.120 (b)(1) & (2)	periodic initially & at 5 yr intervals	measurement and visual inspection
HAP	40 CFR 63.646(a) 63.120 (b)(4)&(6)	Y		Secondary rim-seal standards; includes gap criteria	40 CFR 63.646(a) 63.120 (b)(1) & (2)	periodic initially & annually	measurement and visual inspection
BAAQMD Permit	**PERMIT CONDITIONS**						
throughput	BAAQMD Condition 20989, Part A	Y		8.76 E 5 bbl/yr	BAAQMD Condition 20989, Part A	P/M	Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – B17
Applicable Limits and Compliance Monitoring Requirements
NSPS KA EXTERNAL FLOATING ROOF TANK W/O ZERO-GAP SEALS
S-340 (TANK 108)

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 EXTERNAL FLOATING-ROOF TANKS**						
VOC	BAAQMD 8-5-301	Y		Record of liquids stored and true vapor pressure	BAAQMD 8-5-501.1	periodic initially and upon change of service	Records
VOC	BAAQMD 8-5-320	Y		Floating roof fitting closure standards; includes gasketed covers	BAAQMD 8-5-401.2	P/SA	Measurement and visual inspection
VOC	BAAQMD 8-5-321	Y		Primary rim-seal standards; includes gap criteria	BAAQMD 8-5-401.1	P/SA and every time a seal is replaced	Seal inspection
VOC	BAAQMD 8-5-322	Y		Secondary rim-seal standards; includes gap criteria	BAAQMD 8-5-401.1	P/SA and every time a seal is replaced	Seal inspection
VOC	BAAQMD 8-5-328.1.2	Y		Concentration of < 10,000 ppm as methane after degassing	BAAQMD 8-5-503	periodic each time emptied & degassed	Portable hydrocarbon detector
VOC		Y		Certification reports on tank inspections and source tests	BAAQMD 8-5-404 8-5-405	periodic after each tank inspection and source test	reports
VOC		Y		Records of tank seal replacement	BAAQMD 8-5-501.2	periodic after each tank seal inspection	records
VOC		Y		Determination of applicability	BAAQMD 8-5-604	P/E	look-up table or sample analysis

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – B17
Applicable Limits and Compliance Monitoring Requirements
NSPS KA EXTERNAL FLOATING ROOF TANK W/O ZERO-GAP SEALS
S-340 (TANK 108)

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
NESHAPS CC and NSPS Ka (note 2)	**40 CFR 63 Subpart CC – NESHAPS for Petroleum Refineries** **40 CFR 63 Subpart G – SOCMI HON** **40 CFR 60 Subpart Ka – NSPS for Petroleum Storage Vessels** **LIMITS AND MONITORING FOR EXTERNAL FLOATING ROOF TANKS**						
HAP	40 CFR 63.640(n)(5) 63.646(f)	Y		Deck fitting closure standards	40 CFR 63.640(n)(5) 63.646 (a) & (e) 63.120 (b)(10)	periodic initially & each time emptied & degassed	visual inspection
HAP	40 CFR 63.640(n)(5) 63.646(a) 63.120 (b)(3)&(5)	Y		Primary rim-seal standards; includes gap criteria	40 CFR 63.640(n)(5) 63.646(a) 63.120 (b)(1) & (2)	periodic initially & at 5 yr intervals	measurement and visual inspection
HAP	40 CFR 63.640(n)(5) 63.646(a) 63.120 (b)(4)&(6)	Y		Secondary rim-seal standards; includes gap criteria	40 CFR 63.640(n)(5) 63.646(a) 63.120 (b)(1) & (2)	periodic initially & annually	measurement and visual inspection
BAAQMD Permit	**PERMIT CONDITIONS**						
throughput	BAAQMD Condition 20989, Part A	Y		7.67 E 6 bbl/yr	BAAQMD Condition 20989, Part A	P/M	Records

2. Tanks subject to 40 CFR 63 Subpart CC (MACT) and NSPS Ka are subject only to MACT per 63.640(n)(5). Source S-340 (Tank 108) is subject to NSPS Ka and MACT.

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – B18
Applicable Limits and Compliance Monitoring Requirements
MACT EXTERNAL FLOATING-ROOF TANKS W/O ZERO-GAP SEALS
S-107 (TANK 150), S-113 (TANK 158), S-124 (TANK 169), S-125 (TANK 170), S-183 (TANK 295), S-184 (TANK 296), S-261 (TANK 1010)

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 EXTERNAL FLOATING-ROOF TANKS**						
VOC	BAAQMD 8-5-301	Y		Record of liquids stored and true vapor pressure	BAAQMD 8-5-501.1	periodic initially and upon change of service	Records
VOC	BAAQMD 8-5-320	Y		Floating roof fitting closure standards; includes gasketed covers	BAAQMD 8-5-401.2	P/SA	Measurement and visual inspection
VOC	BAAQMD 8-5-321	Y		Primary rim-seal standards; includes gap criteria	BAAQMD 8-5-401.1	P/SA and every time a seal is replaced	Seal inspection
VOC	BAAQMD 8-5-322	Y		Secondary rim-seal standards; includes gap criteria	BAAQMD 8-5-401.1	P/SA and every time a seal is replaced	Seal inspection
VOC	BAAQMD 8-5-328.1.2	Y		Concentration of < 10,000 ppm as methane after degassing	BAAQMD 8-5-503	periodic each time emptied & degassed	Portable hydrocarbon detector
VOC		Y		Certification reports on tank inspections and source tests	BAAQMD 8-5-404 8-5-405	periodic after each tank inspection and source test	reports
VOC		Y		Records of tank seal replacement	BAAQMD 8-5-501.2	periodic after each tank seal inspection	records
VOC		Y		Determination of applicability	BAAQMD 8-5-604	P/E	look-up table or sample analysis

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – B18
Applicable Limits and Compliance Monitoring Requirements
MACT External Floating-Roof Tanks w/o Zero-Gap Seals
S-107 (Tank 150), S-113 (Tank 158), S-124 (Tank 169), S-125 (Tank 170), S-183 (Tank 295), S-184 (Tank 296), S-261 (Tank 1010)

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
The following apply only to S-107 (Tank 150), S-113 (Tank 158), S-125 (Tank 170)							
VOC	BAAQMD 8-5-303.1	Y		Pressure vacuum valve set pressure within 10% of maximum allowable working pressure of the tank, or at least 0.5 psig	BAAQMD 8-5-403	P/SA	visual inspection
VOC	BAAQMD 8-5-303.2	Y		Pressure vacuum valve must be gas-tight: < 500 ppm (as methane) above background	BAAQMD 8-5-403 8-5-503 8-5-605	P/SA	Method 21 portable hydrocarbon detector
The following apply only to S-107 (Tank 150), S-113 (Tank 158), S-125 (Tank 170)							
NESHAPS CC	**40 CFR 63 Subpart CC – NESHAPS for Petroleum Refineries** **40 CFR 63 Subpart G – SOCMI HON** **LIMITS AND MONITORING FOR EXTERNAL FLOATING ROOF TANKS**						
HAP	40 CFR 63.646(f)	Y		Deck fitting closure standards	40 CFR 63.646 (a) & (e) 63.120 (b)(10)	periodic initially & each time emptied & degassed	visual inspection
HAP	40 CFR 63.646(a) 63.120 (b)(3)&(5)	Y		Primary rim-seal standards; includes gap criteria	40 CFR 63.646(a) 63.120 (b)(1) & (2)	periodic initially & at 5 yr intervals	measurement and visual inspection
HAP	40 CFR 63.646(a) 63.120 (b)(4)&(6)	Y		Secondary rim-seal standards; includes gap criteria	40 CFR 63.646(a) 63.120 (b)(1) & (2)	periodic initially & annually	measurement and visual inspection
BAAQMD Permit	**PERMIT CONDITIONS**						
throughput	BAAQMD Condition 20989, Part A	N		S-107: 8.76 E 6 bbl/yr S-113: 1.49 E 7 bbl/yr S-124: 4.38 E 6 bbl/yr S-125: 1.05 E 7 bbl/yr S-261: 7.01 E 7 bbl/yr	BAAQMD Condition , Part A	P/M	Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – B18
Applicable Limits and Compliance Monitoring Requirements
MACT EXTERNAL FLOATING-ROOF TANKS W/O ZERO-GAP SEALS
S-107 (TANK 150), S-113 (TANK 158), S-124 (TANK 169), S-125 (TANK 170), S-183 (TANK 295), S-184 (TANK 296), S-261 (TANK 1010)

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
throughput	BAAQMD Condition 20989, Part A	Y		S-183: 4.38 E 5 bbl/yr S-184: 4.38 E 6 bbl/yr	BAAQMD Condition 20989, Part A	P/M	records

Table VII – B19
Applicable Limits and Compliance Monitoring Requirements
RIVETED MACT EXTERNAL FLOATING ROOF TANK
S-216 (TANK 695)

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 EXTERNAL FLOATING-ROOF TANKS**						
VOC	BAAQMD 8-5-301	Y		Record of liquids stored and true vapor pressure	BAAQMD 8-5-501.1	periodic initially and upon change of service	Records
VOC	BAAQMD 8-5-320	Y		Floating roof fitting closure standards; includes gasketed covers	BAAQMD 8-5-401.2	P/SA	Measurement and visual inspection
VOC	BAAQMD 8-5-321	Y		Primary rim-seal standards; includes gap criteria	BAAQMD 8-5-401.1	P/SA and every time a seal is replaced	Seal inspection
VOC	BAAQMD 8-5-322	Y		Secondary rim-seal standards; includes gap criteria	BAAQMD 8-5-401.1	P/SA and every time a seal is replaced	Seal inspection
VOC	BAAQMD 8-5-328.1.2	Y		Concentration of < 10,000 ppm as methane after degassing	BAAQMD 8-5-503	periodic each time emptied & degassed	Portable hydrocarbon detector

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – B19
Applicable Limits and Compliance Monitoring Requirements
RIVETED MACT EXTERNAL FLOATING ROOF TANK
S-216 (TANK 695)

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC		Y		Certification reports on tank inspections and source tests	BAAQMD 8-5-404 8-5-405	periodic after each tank inspection and source test	reports
VOC		Y		Records of tank seal replacement	BAAQMD 8-5-501.2	periodic after each tank seal inspection	records
VOC		Y		Determination of applicability	BAAQMD 8-5-604	P/E	look-up table or sample analysis
NESHAPS CC	**40 CFR 63 Subpart CC – NESHAPS for Petroleum Refineries** **40 CFR 63 Subpart G – SOCMI HON** **LIMITS AND MONITORING FOR EXTERNAL FLOATING ROOF TANKS**						
HAP	40 CFR 63.646(f)	Y		Deck fitting closure standards	40 CFR 63.646 (a) & (e) 63.120 (b)(10)	periodic initially & each time emptied & degassed	visual inspection
HAP	40 CFR 63.646(a) 63.120 (b)(3)&(5)	Y		Primary rim-seal standards; includes gap criteria	40 CFR 63.646(a) 63.120 (b)(1) & (2)	periodic initially & at 5 yr intervals	measurement and visual inspection
HAP	40 CFR 63.646(a) 63.120 (b)(4)&(6)	Y		Secondary rim-seal standards; includes gap criteria	40 CFR 63.646(a) 63.120 (b)(1) & (2)	periodic initially & annually	measurement and visual inspection
BAAQMD Permit	**PERMIT CONDITIONS**						
throughput	BAAQMD Condition 20989, Part A	N		4.6 E 6 bbl/yr	BAAQMD Condition 20989, Part A	P/M	Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – B20
Applicable Limits and Compliance Monitoring Requirements
MACT EXTERNAL FLOATING-ROOF WASTEWATER SLOP OIL TANK
W/O ZERO-GAP SEALS
S-134 (TANK 194)

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 EXTERNAL FLOATING-ROOF TANKS**						
VOC	BAAQMD 8-5-301	Y		Record of liquids stored and true vapor pressure	BAAQMD 8-5-501.1	periodic initially and upon change of service	Records
VOC	BAAQMD 8-5-303.1	Y		Pressure vacuum valve set pressure within 10% of maximum allowable working pressure of the tank, or at least 0.5 psig	BAAQMD 8-5-403	P/SA	visual inspection
VOC	BAAQMD 8-5-303.2	Y		Pressure vacuum valve must be gas-tight: < 500 ppm (as methane) above background	BAAQMD 8-5-403 8-5-503 8-5-605	P/SA	Method 21 portable hydrocarbon detector
VOC	BAAQMD 8-5-320	Y		Floating roof fitting closure standards; includes gasketed covers	BAAQMD 8-5-401.2	P/SA	Measurement and visual inspection
VOC	BAAQMD 8-5-321	Y		Primary rim-seal standards; includes gap criteria	BAAQMD 8-5-401.1	P/SA and every time a seal is replaced	Seal inspection
VOC	BAAQMD 8-5-322	Y		Secondary rim-seal standards; includes gap criteria	BAAQMD 8-5-401.1	P/SA and every time a seal is replaced	Seal inspection
VOC	BAAQMD 8-5-328.1.2	Y		Concentration of < 10,000 ppm as methane after degassing	BAAQMD 8-5-503	periodic each time emptied & degassed	Portable hydrocarbon detector
VOC		Y		Certification reports on tank inspections and source tests	BAAQMD 8-5-404 8-5-405	periodic after each tank inspection and source test	reports

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – B20
Applicable Limits and Compliance Monitoring Requirements
MACT External Floating-Roof Wastewater Slop Oil Tank w/o Zero-Gap Seals
S-134 (Tank 194)

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC		Y		Records of tank seal replacement	BAAQMD 8-5-501.2	periodic after each tank seal inspection	records
VOC		Y		Determination of applicability	BAAQMD 8-5-604	P/E	look-up table or sample analysis
BAAQMD 8-8	**BAAQMD 8-8 – Organic Compounds – Wastewater (Oil Water Separators)**						
VOC	BAAQMD 8-8-303	Y		Vapor tight gauging and sampling devices	BAAQMD 8-8-504 8-8-603	N	Portable hydrocarbon detector
VOC	BAAQMD 8-8-305.1	Y		Slop oil tank vessel roof criteria; includes gap criteria	BAAQMD 8-8-305.1	periodic initially & semi-annually	visual inspection
NESHAPS CC	**40 CFR 63 Subpart CC – NESHAPS for Petroleum Refineries** **40 CFR 63 Subpart G – SOCMI HON** **LIMITS AND MONITORING FOR EXTERNAL FLOATING ROOF TANKS**						
HAP	40 CFR 63.646(f)	Y		Deck fitting closure standards	40 CFR 63.646 (a) & (e) 63.120 (b)(10)	periodic initially & each time emptied & degassed	visual inspection
HAP	40 CFR 63.646(a) 63.120 (b)(3)&(5)	Y		Primary rim-seal standards; includes gap criteria	40 CFR 63.646(a) 63.120 (b)(1) & (2)	periodic initially & at 5 yr intervals	measurement and visual inspection
HAP	40 CFR 63.646(a) 63.120 (b)(4)&(6)	Y		Secondary rim-seal standards; includes gap criteria	40 CFR 63.646(a) 63.120 (b)(1) & (2)	periodic initially & annually	measurement and visual inspection
BAAQMD Permit	**PERMIT CONDITIONS**						

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – B20
Applicable Limits and Compliance Monitoring Requirements
MACT EXTERNAL FLOATING-ROOF WASTEWATER SLOP OIL TANK W/O ZERO-GAP SEALS
S-134 (TANK 194)

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
throughput	BAAQMD Condition 20989, Part A	N		1.31 E 7 bbl/yr	BAAQMD Condition 20989, Part A	P/M	records

Table VII – B21
Applicable Limits and Compliance Monitoring Requirements
EXEMPT TANKS SUBJECT TO MACT RECORDKEEPING
S-91 (TANK 73), S-94 (TANK 78), S-98 (TANK 101), S-99 (TANK 102), S-103 (TANK 106), S-120 (TANK 165), S-130 (TANK 188), S-131 (TANK 189), S-132 (TANK 191), S-136 (TANK 201), S-137 (TANK 202), S-138 (TANK 203), S-141 (TANK 213), S-142 (TANK 214), S-143 (TANK 215), S-144 (TANK 216), S-145 (TANK 217), S-148 (TANK 231), S-149 (TANK 232), S-157 (TANK 252), S-162 (TANK 262), S-164 (TANK 264), S-165 (TANK 265), S-166 (TANK 266), S-167 (TANK 268), S-168 (TANK 269), S-169 (TANK 270), S-171 (TANK 273), S-172 (TANK 279), S-173 (TANK 280), S-174 (TANK 281), S-179 (TANK 291), S-180 (TANK 292), S-187 (TANK 299), S-191 (TANK 303), S-192 (TANK 304), S-202 (TANK 521), S-204 (TANK 528), S-205 (TANK 529), S-206 (TANK 530), S-207 (TANK 531), S-209 (TANK 674), S-224 (TANK 746), S-225 (TANK 747), S-226 (TANK 748), S-227 (TANK 749), S-228 (TANK 750), S-229 (TANK 751), S-230 (TANK 752), S-231 (TANK 753), S-236 (TANK 770), S-237 (TANK 771), S-240 (TANK 774), S-241 (TANK 775), S-260 (TANK 1009), S-262 (TANK 1011), S-263 (TANK 1012), S-266 (TANK 1345), S-267 (TANK 1346), S-286 (F3), S-287 (F10), S-293 (F805)

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 per 8-5-117. Low vapor pressure						
POC	8-5-117 & Condition 20773, Part 1	Y	4/1/04	Exemption from Regulation 8-5 when true vapor pressure is less than 25.8 mm Hg (0.5 psia).	2-6-409.2 & Condition 20773, Part 2	P/E	Vapor pressure determination upon material change

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – B21
Applicable Limits and Compliance Monitoring Requirements
EXEMPT TANKS SUBJECT TO MACT RECORDKEEPING
S-91 (TANK 73), S-94 (TANK 78), S-98 (TANK 101), S-99 (TANK 102), S-103 (TANK 106), S-120 (TANK 165), S-130 (TANK 188), S-131 (TANK 189), S-132 (TANK 191), S-136 (TANK 201), S-137 (TANK 202), S-138 (TANK 203), S-141 (TANK 213), S-142 (TANK 214), S-143 (TANK 215), S-144 (TANK 216), S-145 (TANK 217), S-148 (TANK 231), S-149 (TANK 232), S-157 (TANK 252), S-162 (TANK 262), S-164 (TANK 264), S-165 (TANK 265), S-166 (TANK 266), S-167 (TANK 268), S-168 (TANK 269), S-169 (TANK 270), S-171 (TANK 273), S-172 (TANK 279), S-173 (TANK 280), S-174 (TANK 281), S-179 (TANK 291), S-180 (TANK 292), S-187 (TANK 299), S-191 (TANK 303), S-192 (TANK 304), S-202 (TANK 521), S-204 (TANK 528), S-205 (TANK 529), S-206 (TANK 530), S-207 (TANK 531), S-209 (TANK 674), S-224 (TANK 746), S-225 (TANK 747), S-226 (TANK 748), S-227 (TANK 749), S-228 (TANK 750), S-229 (TANK 751), S-230 (TANK 752), S-231 (TANK 753), S-236 (TANK 770), S-237 (TANK 771), S-240 (TANK 774), S-241 (TANK 775), S-260 (TANK 1009), S-262 (TANK 1011), S-263 (TANK 1012), S-266 (TANK 1345), S-267 (TANK 1346), S-286 (F3), S-287 (F10), S-293 (F805)

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
NESHAPS CC	**40 CFR 63 Subpart CC – NESHAP for Petroleum Refineries MONITORING FOR RECORDKEEPING ONLY**						
HAP	40 CFR 63.641	Y		Retain weight percent total organic HAP in stored liquid for Group 2 determination.	40 CFR 63.654(i)(1)(iv)	periodic initially and upon change in service	Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – B22
Applicable Limits and Compliance Monitoring Requirements
EXEMPT FIXED ROOF TANKS WITH VAPOR RECOVERY TO FUEL GAS
S-158 (TANK 258), S-175 (TANK 284)

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 per 8-5-117. Low vapor pressure**						
POC	8-5-117 & Condition 20773, Part 1	Y	4/1/04	Exemption from Regulation 8-5 when true vapor pressure is less than 25.8 mm Hg (0.5 psia).	2-6-409.2 & Condition 20773, Part 2	P/E	Vapor pressure determination upon material change
NONE	**40 CFR 63 Subpart CC – NESHAPS for Petroleum Refineries** **Exempt per 63.640(d)(5). Emission point routed to fuel gas system.**						

Table VII – B23A
Applicable Limits and Compliance Monitoring Requirements
EXEMPT EXTERNAL FLOATING ROOF TANKS
SUBJECT TO MACT RECORDKEEPING +
BUT WITH GROUP I MACT FLEXIBILITY
S-108 (TANK 153), S-109 (TANK 154), S-127 (TANK 173)

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 per 8-5-117. Low vapor pressure**						
POC	8-5-117 & Condition 20773, Part 1	Y	4/1/04	Exemption from Regulation 8-5 when true vapor pressure is less than 25.8 mm Hg (0.5 psia).	2-6-409.2 & Condition 20773, Part 2	P/E	Vapor pressure determination upon material change
NESHAPS CC	**40 CFR 63 Subpart CC – NESHAP for Petroleum Refineries** **MONITORING FOR RECORDKEEPING ONLY**						

+ Sources S-108, S-109, and S-127 currently contain low vapor pressure liquids, are exempt from BAAQMD permitting requirements, and fall under the MACT Group II requirements for recordkeeping. However, these tanks may be operated as MACT Group I tanks in the future. Table B23A shows the appropriate applicability for these tanks as MACT Group II tanks. Table B23B shows the appropriate applicability for these tanks as MACT Group I tanks including the BAAQMD Regulation 8 Rule 5 requirements for zero-gap secondary seals.

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – B23A
Applicable Limits and Compliance Monitoring Requirements
EXEMPT EXTERNAL FLOATING ROOF TANKS
SUBJECT TO MACT RECORDKEEPING +
BUT WITH GROUP I MACT FLEXIBILITY
S-108 (TANK 153), S-109 (TANK 154), S-127 (TANK 173)

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 per 8-5-117. Low vapor pressure						
HAP	40 CFR 63.641	Y		Retain weight percent total organic HAP in stored liquid for Group 2 determination.	40 CFR 63.654(i)(1)(iv)	periodic initially and upon change in service	Records

Table VII – B23B
Applicable Limits and Compliance Monitoring Requirements
EXEMPT EXTERNAL FLOATING ROOF TANKS
SUBJECT TO MACT RECORDKEEPING +
BUT WITH GROUP I MACT FLEXIBILITY
S-108 (TANK 153), S-109 (TANK 154), S-127 (TANK 173)

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 EXTERNAL FLOATING-ROOF TANKS**						
VOC	BAAQMD 8-5-301	Y		Record of liquids stored and true vapor pressure	BAAQMD 8-5-501.1	periodic initially and upon change of service	Records
VOC	BAAQMD 8-5-320	Y		Floating roof fitting closure standards; includes gasketed covers	BAAQMD 8-5-401.2	P/SA	Measurement and visual inspection

+ Sources S-108, S-109, and S-127 currently contain low vapor pressure liquids, are exempt from BAAQMD permitting requirements, and fall under the MACT Group II requirements for recordkeeping. However, these tanks may be operated as MACT Group I tanks in the future. Table B23A shows the appropriate applicability for these tanks as MACT Group II tanks. Table B23B shows the appropriate applicability for these tanks as MACT Group I tanks including the BAAQMD Regulation 8 Rule 5 requirements for zero-gap secondary seals.

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – B23B
Applicable Limits and Compliance Monitoring Requirements
EXEMPT EXTERNAL FLOATING ROOF TANKS
SUBJECT TO MACT RECORDKEEPING +
BUT WITH GROUP I MACT FLEXIBILITY
S-108 (TANK 153), S-109 (TANK 154), S-127 (TANK 173)

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 8-5-321	Y		Primary rim-seal standards; includes gap criteria	BAAQMD 8-5-401.1	P/SA and every time a seal is replaced	Seal inspection
VOC	BAAQMD 8-5-322	Y		Secondary rim-seal standards; includes gap criteria	BAAQMD 8-5-401.1	P/SA and every time a seal is replaced	Seal inspection
VOC	BAAQMD 8-5-328.1.2	Y		Concentration of < 10,000 ppm as methane after degassing	BAAQMD 8-5-503	periodic each time emptied & degassed	Portable hydrocarbon detector
VOC		Y		Certification reports on tank inspections and source tests	BAAQMD 8-5-404 8-5-405	periodic after each tank inspection and source test	Reports
VOC		Y		Records of tank seal replacement	BAAQMD 8-5-501.2	periodic after each tank seal inspection	Records
VOC		Y		Determination of applicability	BAAQMD 8-5-604	P/E	look-up table or sample analysis
NESHAPS CC	**40 CFR 63 Subpart CC – NESHAPS for Petroleum Refineries** **40 CFR 63 Subpart G – SOCMI HON** **LIMITS AND MONITORING FOR EXTERNAL FLOATING ROOF TANKS**						
HAP	40 CFR 63.646(f)	Y		Deck fitting closure standards	40 CFR 63.646 (a) & (e) 63.120 (b)(10)	periodic initially & each time emptied & degassed	visual inspection
HAP	40 CFR 63.646(a) 63.120 (b)(3)&(5)	Y		Primary rim-seal standards; includes gap criteria	40 CFR 63.646(a) 63.120 (b)(1) & (2)	periodic initially & at 5 yr intervals	measurement and visual inspection

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – B23B
Applicable Limits and Compliance Monitoring Requirements
EXEMPT EXTERNAL FLOATING ROOF TANKS
SUBJECT TO MACT RECORDKEEPING +
BUT WITH GROUP I MACT FLEXIBILITY
S-108 (TANK 153), S-109 (TANK 154), S-127 (TANK 173)

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	40 CFR 63.646(a) 63.120 (b)(4)&(6)	Y		Secondary rim-seal standards; includes gap criteria	40 CFR 63.646(a) 63.120 (b)(1) & (2)	periodic initially & annually	measurement and visual inspection

Table VII – B24
Applicable Limits and Compliance Monitoring Requirements
NSPS K EXEMPT TANKS SUBJECT TO MACT RECORDKEEPING
S-90 (TANK 67), S-105 (TANK 129)

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 per 8-5-117. Low vapor pressure						
POC	8-5-117 & Condition 20773, Part 1	Y	4/1/04	Exemption from Regulation 8-5 when true vapor pressure is less than 25.8 mm Hg (0.5 psia).	2-6-409.2 & Condition 20773, Part 2	P/E	Vapor pressure determination upon material change
NESHAPS CC	**40 CFR 60 Subpart K – NSPS for Petroleum Storage Vessels [1] 40 CFR 63 Subpart CC – NESHAP for Petroleum Refineries MONITORING FOR RECORDKEEPING ONLY**						
HAP	40 CFR 63.640(n)(7) 63.641	Y		Retain weight percent total organic HAP in stored liquid for Group 2 determination.	40 CFR 63.654(i)(1)(iv)	periodic initially and upon change in service	Records

[1] Group 2 storage vessels as defined in 40 CFR 63 Subpart CC (MACT) that are subject to NSPS K but are exempt from control requirements in NSPS K are subject only to MACT per 63.640(n)(7).

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – B25
Applicable Limits and Compliance Monitoring Requirements
EXEMPT BUTANE SPHERES
S-188 (TANK 300), S-189 (TANK 301), S-190 (TANK 302), S-253 (TANK 833)

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
BAAQMD 8-5	**Organic Compounds - STORAGE OF ORGANIC LIQUIDS LIMITS AND MONITORING FOR PRESSURE TANKS**						
VOC	BAAQMD 8-5-301	Y		Record of liquids stored and true vapor pressure	BAAQMD 8-5-501.1	periodic initially and upon change of service	records
VOC	BAAQMD 8-5-303.1	Y		Pressure vacuum valve set pressure within 10% of maximum allowable working pressure of the tank, or at least 0.5 psig	BAAQMD 8-5-403	P/SA	visual inspection
VOC	BAAQMD 8-5-303.2	Y		Pressure vacuum valve must be gas-tight: < 500 ppm (as methane) above background	BAAQMD 8-5-403 8-5-503 8-5-605	P/SA	Method 21 portable hydrocarbon detector
VOC	BAAQMD 8-5-307	Y		Pressure tank must be gas tight: < 100 ppm (as methane) above background	BAAQMD 8-5-503 8-5-605	not specified	Method 21 portable hydrocarbon detector
VOC	BAAQMD 8-5-328.1.2	Y		Organic concentration in tank <10,000 ppm as methane after cleaning	BAAQMD 8-5-503	periodic each time emptied & degassed	portable hydrocarbon detector
VOC		Y		Determination of applicability	BAAQMD 8-5-604	P/E	look-up table or sample analysis
NONE	**40 CFR 63 Subpart CC – NESHAPS for Petroleum Refineries Exempt per 63.640(d)(5). Emission point routed to fuel gas system**						
The following applies to S-188 only							
NONE	**40 CFR 60 Subpart Kb – NESHAPS for Petroleum Refineries Exempt per 60.110b(d)(2). Pressure vessel designed to operate in excess of 204.9 kPa and without emissions to the atmosphere.**						

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – B26
Applicable Limits and Compliance Monitoring Requirements
NSPS KB EXEMPT FIXED ROOF TANK VENTED TO FUEL GAS
S-135 (TANK 200)

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 per 8-5-117. Low vapor pressure**						
POC	8-5-117 & Condition 20773, Part 1	Y	4/1/04	Exemption from Regulation 8-5 when true vapor pressure is less than 25.8 mm Hg (0.5 psia).	2-6-409.2 & Condition 20773, Part 2	P/E	Vapor pressure determination upon material change
NONE	**40 CFR 63 Subpart CC – NESHAPS for Petroleum Refineries** **Exempt per 63.640(d)(5). Emission point routed to fuel gas system.**						
NSPS Kb	**40 CFR 60 Subpart Kb - NSPS for VOL Storage Vessels at Petroleum Refineries** **RECORDKEEPING ONLY**						
Vapor pressure	40 CFR 60.110b(c)	Y		True vapor pressure less than 3.5 kPa.	40 CFR 60.116b(b)	P/E	Record

Table VII – B27
Applicable Limits and Compliance Monitoring Requirements
NSPS KB EXEMPT FIXED ROOF WASTEWATER TANKS VENTED TO FUEL GAS
TANK 235, TANK 236

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 per 8-5-117. Low vapor pressure**						
POC	8-5-117 & Condition 20773, Part 1	Y	4/1/04	Exemption from Regulation 8-5 when true vapor pressure is less than 25.8 mm Hg (0.5 psia).	2-6-409.2 & Condition 20773, Part 2	P/E	Vapor pressure determination upon material change
NONE	**40 CFR 63 Subpart CC – NESHAPS for Petroleum Refineries** **Exempt per 63.640(d)(5). Emission point routed to fuel gas system.**						
NSPS Kb	**40 CFR 60 Subpart Kb - NSPS for VOL Storage Vessels at Petroleum Refineries** **RECORDKEEPING ONLY**						
Vapor pressure	40 CFR 60.110b(c)	Y		True vapor pressure less than 3.5 kPa.	40 CFR 60.116b(b)	P/E	Record

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – B27
Applicable Limits and Compliance Monitoring Requirements
NSPS KB EXEMPT FIXED ROOF WASTEWATER TANKS VENTED TO FUEL GAS
TANK 235, TANK 236

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
NSPS QQQ	**40 CFR 60 Subpart QQQ – VOC Emissions from Petroleum Refinery Wastewater Systems**						
VOC	40 CFR 60.692-3(a)	Y		Fixed roof closure standards	40 CFR 60.692-3(a)(4)	periodic initially and semi-annually	Visual inspection
VOC		Y		Problems identified during 40 CFR 60.692-3(a) inspections that could result in VOC emissions	40 CFR 60.697(c)	periodic when problem is identified	Records
VOC		Y		Problems identified during 40 CFR 60.692-3(a) inspections that could result in VOC emissions	40 CFR 60.698(c)	periodic initially and semi-annually	Report

Table VII – B28
Applicable Limits and Compliance Monitoring Requirements
NSPS KB EXEMPT FIXED ROOF WASTEWATER TANK
TANK 237

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 per 8-5-117. Low vapor pressure						
POC	8-5-117 & Condition 20773, Part 1	Y	4/1/04	Exemption from Regulation 8-5 when true vapor pressure is less than 25.8 mm Hg (0.5 psia).	2-6-409.2 & Condition 20773, Part 2	P/E	Vapor pressure determination upon material change
NONE	**40 CFR 63 Subpart CC – NESHAPS for Petroleum Refineries NO MONITORING REQUIREMENTS FOR GROUP 2 WASTEWATER SOURCES**						
NSPS Kb	**40 CFR 60 Subpart Kb - NSPS for VOL Storage Vessels at Petroleum Refineries RECORDKEEPING ONLY**						
Vapor pressure	40 CFR 60.110b(c)	Y		True vapor pressure less than 3.5 kPa.	40 CFR 60.116b(b)	P/E	Record
Vapor pressure		Y		TVP exceedances (> 5.2 kPa).	40 CFR 60.116b(d)	periodic within 30 days of exceedance	Notification

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – B28
Applicable Limits and Compliance Monitoring Requirements
NSPS KB EXEMPT FIXED ROOF WASTEWATER TANK
TANK 237

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
NSPS QQQ	**40 CFR 60 Subpart QQQ – VOC Emissions from Petroleum Refinery Wastewater Systems**						
VOC	40 CFR 60.692-3(a)	Y		Fixed roof closure standards	40 CFR 60.692-3(a)(4)	periodic initially and semi-annually	Visual inspection
VOC		Y		Problems identified during 40 CFR 60.692-3(a) inspections that could result in VOC emissions	40 CFR 60.697(c)	periodic when problem is identified	Records
VOC		Y		Problems identified during 40 CFR 60.692-3(a) inspections that could result in VOC emissions	40 CFR 60.698(c)	periodic initially and semi-annually	Report

Table VII – B29
Applicable Limits and Compliance Monitoring Requirements
NSPS KB EXEMPT FIXED ROOF TANK
TANK 224

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 per 8-5-117. Low vapor pressure**						
POC	8-5-117 & Condition 20773, Part 1	Y	4/1/04	Exemption from Regulation 8-5 when true vapor pressure is less than 25.8 mm Hg (0.5 psia).	2-6-409.2 & Condition 20773, Part 2	P/E	Vapor pressure determination upon material change
NESHAPS CC and NSPS Kb	**40 CFR 63 Subpart CC – NESHAPS for Petroleum Refineries** **40 CFR 60 Subpart Kb - NSPS for VOL Storage Vessels at Petroleum Refineries** **RECORDKEEPING ONLY**						
Vapor pressure	40 CFR 63.640(n)(1) 60.110b(c)	Y		True vapor pressure less than 3.5 kPa.	40 CFR 63.640(n)(8) 60.116b(b)	P/E	Record
Vapor pressure		Y		TVP exceedances (> 5.2 kPa).	40 CFR 60.116b(d)	periodic within 30 days of exceedance	Notification

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – B30
Applicable Limits and Compliance Monitoring Requirements
EXEMPT EXTERNAL FLOATING ROOF WASTEWATER TANKS
TANK 206, TANK 207

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 per 8-5-117. Low vapor pressure**						
POC	8-5-117 & Condition 20773, Part 1	Y	4/1/04	Exemption from Regulation 8-5 when true vapor pressure is less than 25.8 mm Hg (0.5 psia).	2-6-409.2 & Condition 20773, Part 2	P/E	Vapor pressure determination upon material change
NONE	**40 CFR 63 Subpart CC – NESHAPS for Petroleum Refineries** **NO MONITORING REQUIREMENTS FOR GROUP 2 WASTEWATER SOURCES**						

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 Regulations 6-301	Ringelmann No. 1 Limitation	Manual of Procedures, Volume I, Evaluation of Visible Emissions; EPA Method 9
6-304	Tube Cleaning	Manual of Procedures, Volume I, Evaluation of Visible Emissions
6-310	Particulate Weight Limitation	Manual of Procedures, Volume IV, ST-15, Particulates Sampling U.S. EPA Method 5
6-311	General Operations	Manual of Procedures, Volume IV, ST-15, Particulates Sampling U.S. EPA Method 5
8-2-301	VOC Emission Limit for Miscellaneous Operations	Manual of Procedures, Volume IV, ST-7 or EPA Method 25 or 25A
8-5-301	Tank Emission Control System Requirements, 95% Abatement Efficiency	Manual of Procedures, Volume IV, ST-4
8-5-303.2 8-5-306, and 8-5-307	Gas Tight Requirements for Organic Liquid Storage Tanks	Organic compounds shall be measured using a portable gas detector as prescribed in EPA Reference Method 21 (40 CFR 60, Appendix A)
8-5-320	Floating Roof Tank (internal and external) tank fitting gap measurement	Physical measurements as described in BAAQMD 8-5-320 when required in BAAQMD 8-5-401 or BAAQMD 8-5-402.
8-5-321	Floating Roof Tank (internal and external) primary rim seal gap gap measurement	Physical measurements as described in BAAQMD 8-5-321 when required in BAAQMD 8-5-401 or BAAQMD 8-5-402.
8-5-322	Floating Roof Tank (internal and external) secondary rim seal gap gap measurement	Physical measurements as described in BAAQMD 8-5-322 when required in BAAQMD 8-5-401 or BAAQMD 8-5-402.
8-5-328.1.2	Tank Degassing Emission Control System Requirements	Manual of Procedures, Volume IV, ST-7

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Table VIII
Test Methods

Applicable Requirement	Description of Requirement	Acceptable Test Methods
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
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
8-8-302.3	Oil-Water Separator Vapor Recovery System Requirements	Manual of Procedures, Volume IV, ST-7 or EPA Method 25 or 25A
8-8-307.2	Air Flotation Unit Vapor Recovery System Requirements	Manual of Procedures, Volume IV, ST-7 or EPA Method 25 or 25A
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)
8-8-601	Wastewater Analysis for Critical OCs	Samples of wastewater shall be taken at the influent stream for each unit and analyzed for the concentration of dissolved critical organic compounds as prescribed in the District's Manual of Procedures, Volume III, Lab Method 33.
8-8-602, 8-8-301.3, 8-8-302.3, 8-8-304, 8-8-305.2, 8-8-306.2, and 8-8-307.2	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, 8-8-301, 8-8-302, 8-8-303, and 8-8-304	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)
8-18	Fugitive Emission Monitoring Requirements	EPA Method 21
8-44-301.1 8-44-301.2	POC emission rate limitation during marine tank vessel loading	Manual of Procedures, ST-34, Bulk Marine Loading Terminals, Vapor Recovery Units
8-44-303	Tank vessel is leak free and gas tight	EPA Method 21

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Table VIII
Test Methods

Applicable Requirement	Description of Requirement	Acceptable Test Methods
8-44-603	Leak Tests and Gas Tight Determinations	EPA Method 21
9-1-301, 9-2-301, 9-1-604	Ground Level Monitoring	Manual of Procedures, Volume VI, Section 1, Area Monitoring
9-1-302	Sampling and Analysis, SO_2	Manual of Procedures, Volume IV, ST-19 A or B
9-1-501, 9-1-502, 9-2-501	Continuous Monitoring	Manual of Procedures, Volume 5, Continuous Monitoring
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
9-9-301.3	Emission Limits- Turbines Rated > 10 MW with SCR	Manual of Procedures, Volume IV, ST-13A, Oxides of Nitrogen, Continuous Sampling and ST-14, Oxygen, Continuous Sampling
9-10-301	Refinery-Wide NO_x Emission Limit	Manual of Procedures, Volume V and Manual of Procedures, Volume IV, ST-13A or B (nitrogen oxides) and ST-14 (oxygen)
9-10-303.1	NO_x Emission Limit	Manual of Procedures, Volume V and Manual of Procedures, Volume IV, ST-13A or B (nitrogen oxides) and ST-14 (oxygen)
9-10-305	CO Emission Limit	Manual of Procedures, Volume V and Manual of Procedures, Volume IV, ST-6 (carbon monoxide) for CEM verification by source test
40 CFR 60 Subpart A	**New Source Performance Standards – General Provisions (12/23/71)**	
40 CFR Subpart A 60.18(c)(1)	Visible emission monitoring	EPA Method 22: Visible Emissions

VIII. TEST METHODS

Table VIII
Test Methods

Applicable Requirement	Description of Requirement	Acceptable Test Methods
40 CFR 60 Subpart Db	**Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units (3/13/00)**	
40 CFR 60 Subpart Db 60.44b(a) 60.44b(e)	NO_x Emission Limit	40 CFR 60 Appendix B, Performance Specification 2
40 CFR 60 Subpart J	**Standards of Performance for Petroleum Refineries (7/1/00)**	
40 CFR 60 Subpart J, 60.104(a)(1)	Fuel Gas H2S Concentration Limit	40 CFR 60 Appendix B, Performance Specification 7 and Method 11 for Relative Accuracy
40 CFR 60, Subpart J, 60.106(f)(3)	H2S concentration monitoring	EPA Method 3: O2
40 CFR 60,Subpart J, 60.106(f)(1)	SO2 concentration monitoring	EPA Method 6: SO2
40 CFR 60, Subpart J, 60.106(e)	H2S concentration monitoring	EPA Method 11: H2S
40 CFR 60,Subpart J, 60.106(f)(2)	TRS concentration monitoring	EPA Method 15: Total Reduced Sulfur
40 CFR 60 Subpart Kb	**Standards of Performance for Volatile Organic Liquid Storage Vessels**	
40 CFR 60 Subpart Kb 60.112b (a)(3)(i)	NSPS Subpart Kb Closed Vent System – leak detection	40 CFR 60 Appendix A, Method 21 as specified in 40 CFR 60 Subpart VV 60.485(b)
40 CFR 60 Subpart Kb 60.112b (a)(3)(ii)	NSPS Subpart Kb Closed Vent System Performance (95% efficiency)	40 CFR 60 Subpart Kb 60.113b(c) Testing and Procedures

VIII. TEST METHODS

Table VIII
Test Methods

Applicable Requirement	Description of Requirement	Acceptable Test Methods
40 CFR 60 Subpart Kb 60.113b (b)(4)(i)	NSPS Subpart Kb External Floating Roof Tank primary rim seal gap measurement	40 CFR 61 Subpart Kb 60.113b(b)(1) through 60.113b(b)(3) Testing and Procedures
40 CFR 60 Subpart Kb 60.113b (b)(4)(ii)	NSPS Subpart Kb External Floating Roof Tank secondary rim seal gap measurement	40 CFR 61 Subpart Kb 60.113b(b)(1) through 60.113b(b)(3) Testing and Procedures
40 CFR 60 Subpart GG	**Standards of Performance for Stationary Gas Turbines (1/27/82)**	
60.332 (a)(1)	Performance Standard, NOx	EPA Method 20, Determination of Nitrogen Oxides, Sulfur Dioxide, and Diluent Emissions from Stationary Gas Turbines
60.332 (a)(2)	Performance Standard, NOx	EPA Method 20, Determination of Nitrogen Oxides, Sulfur Dioxide, and Diluent Emissions from Stationary Gas Turbines
60.333 (a)	SO2 Volumetric Emission Limit	EPA Method 20, Determination of Nitrogen Oxides, Sulfur Dioxide, and Diluent Emissions from Stationary Gas Turbines
60.333 (b)	Fuel Sulfur Limit (gaseous fuel)	ASTM D 1072-80, Standard Method for Total Sulfur in Fuel Gases ASTM D 3031-81, Standard Test Method for Total Sulfur in Natural Gas by Hydrogenation ASTM D 4084-82, Standard Method for Analysis of Hydrogen Sulfide in Gaseous Fuels (Lead Acetate Reaction Rate Method), ASTM D 3246-81, Standard Method for Sulfur in Petroleum Gas by Oxidative Microcoulometry
60.333 (b)	Fuel Sulfur Limit (liquid fuel)	ASTM D 2880-71, Standard Specification for Gas Turbine Fuel Oils
40 CFR 60, Appendix A	Inspection Procedures	EPA Reference Method 21
40 CFR 60 Subpart VV	**Standards of Performance for Equipment Leaks of VOC in SOCMI**	
40 CFR 60 Subpart VV 60.482-2(b)(1)	Pumps in light liquid service – leak detection	40 CFR 60 Appendix A, Method 21 as specified in 40 CFR 60 Subpart VV 60.485(b)

VIII. TEST METHODS

Table VIII
Test Methods

Applicable Requirement	Description of Requirement	Acceptable Test Methods
40 CFR 60 Subpart VV 60.482-2(e)	Pumps in light liquid service and designated for "no detectable emission" – leak detection	40 CFR 60 Appendix A, Method 21 as specified in 40 CFR 60 Subpart VV 60.485(c)
40 CFR 60 Subpart VV 60.482-3	Compressors designated for "no detectable emission" – leak detection	40 CFR 60 Appendix A, Method 21 as specified in 40 CFR 60 Subpart VV 60.485(c)
40 CFR 60 Subpart VV 60.482-4(b)	Pressure relief valve (gas/vapor) no detectable emissions after a pressure release event.	40 CFR 60 Appendix A, Method 21 as specified in 40 CFR 60 Subpart VV 60.485(c)
40 CFR 60 Subpart VV 60.482-7(b)	Valves in gas/vapor service and in light liquid service – leak detection.	40 CFR 60 Appendix A, Method 21 as specified in 40 CFR 60 Subpart VV 60.485(b)
40 CFR 60 Subpart VV 60.482-7(f)	Valves in gas/vapor service and in light liquid service and designated for "no detectable emission" – leak detection	40 CFR 60 Appendix A, Method 21 as specified in 40 CFR 60 Subpart VV 60.485(c)
40 CFR 60 Subpart VV 60.482-7(h)	Valves in gas/vapor service and in light liquid service and designated as difficult-to-monitor.	40 CFR 60 Appendix A, Method 21 once per year in accordance with written plan (60.482-7(h)(3)
40 CFR 60 Subpart VV 60.482-8(b)	Pumps and valves in heavy liquid service, pressure relief devices (liquid), and flanges and other connectors – leak detection	40 CFR 60 Appendix A, Method 21 as specified in 40 CFR 60 Subpart VV 60.485(b)
40 CFR 60 Subpart VV 60.483-2	Individual valves meeting criteria for skip period leak detection – leak detection	40 CFR 60 Appendix A, Method 21 as specified in 40 CFR 60 Subpart VV 60.485(b)
40 CFR 60 Subpart QQQ	**Standards of Performance For Petroleum Refinery Wastewater Systems**	
40 CFR 60, 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.

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Table VIII
Test Methods

Applicable Requirement	Description of Requirement	Acceptable Test Methods
40 CFR 60, Subpart QQQ	Leak inspection procedures	40 CFR 60 Subpart QQQ, 60.696: EPA reference method 21 (40 CFR 60, Appendix A), Determination of Volatile Organic Compound Leaks
40 CFR 61 Subpart FF	**National Emission Standard for Benzene Waste Operations**	
40 CFR 61, Subpart FF 61.349 (a)(1)(i)	Leak inspection procedures	40 CFR 61 Subpart FF, 61.355(h): EPA reference method 21 (40 CFR 60, Appendix A), Determination of Volatile Organic Compound Leaks
40 CFR 61, Subpart FF 61.354 (f)	Visual Inspection	40 CFR 61 Subpart FF, 61.354(f)
40 CFR 63 Subpart CC	**National Emissions Standards for Hazardous Air Pollutants from Petroleum Refineries – General Standards**	
40 CFR 63 Subpart CC 63.646(a) 40 CFR 63 Subpart G 63.120(b)(3) 63.120(b)(5)	Refinery MACT (40 CFR 63 Subpart CC) Group 1 external floating roof tanks primary rim-seal gap measurement	40 CFR 63 Subpart G 60.120(b)(1) and 60.120(b)(2) Procedures to Determine Compliance
40 CFR 63 Subpart CC 63.646(a) 40 CFR 63 Subpart G 63.120(b)(4) 63.120(b)(6)	Refinery MACT (40 CFR 63 Subpart CC) Group 1 external floating roof tanks secondary rim-seal gap measurement	40 CFR 63 Subpart G 60.120(b)(1) and 60.120(b)(2) Procedures to Determine Compliance

VIII. TEST METHODS

Table VIII
Test Methods

Applicable Requirement	Description of Requirement	Acceptable Test Methods
California Air Resources Board (CARB)		
BAAQMD Condition 18680, Part 2	Gasoline dispensing facility leak test	CARB Test Procedure TP201.1B: "Rotatable Adaptor Torgue Test"
BAAQMD Condition 18680, Part 2	Gasoline dispensing facility leak test	CARB Test Procedure TP201.1C: "Drop Tube/Drain Valve Assembly"
BAAQMD Condition 18680, Part 2	Gasoline dispensing facility leak test	CARB Test Procedure TP201.1D: "Drop Tube Overfill Prevention Device and Spill Container Drain Valve Leak Test"

IX. PERMIT SHIELD

A. Non-applicable Requirements

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

Table IX A - 1
Permit Shield for Non-applicable Requirements
ALL SOURCES

Citation	Title or Description (Reason not applicable)
BAAQMD Regulation 8, Rule 51	**"Organic Compounds – Adhesive and Sealant Products" (7/17/02)** The applicant has certified that none of the regulated activities specified in this rule are currently taking place at this facility.
BAAQMD Regulation 11, Rule 1	**"Hazardous Pollutants – Lead" (3/17/82)** The applicant has certified that there are no sources at this facility with the potential to emit in excess of 15 pounds per day (11-1-301) each, or with the potential to result in ground level lead concentrations in excess of 1.0 microgram/m3 averaged over 24 hours (11-1-302).

Table IX B - 1
Permit Shield for Subsumed Requirements
S-324 API OIL/WASTEWATER SEPARATOR

Subsumed Requirement Citation	Title or Description	Streamlined Requirements	Title or Description
NSPS Subpart QQQ, 40 CFR 60.693-2(a)(1)	Floating roofs installed as alternative standard for oil-water separators shall be equipped with a closure device.	BAAQMD 8-8-302.1 and Permit Condition 1440, Part 1	The API separator shall be equipped and operated such that the fixed roof is in full contact with the liquid at all times. As described in the NSPS Subpart QQQ Request for Alternative Standards pursuant to 40 CFR 60.693-2(b) and 60.694 submitted to USEPA by Unocal on December 28, 1987, in lieu of a floating roof equipped with a closure device, the separator would be equipped with the full contact fixed roof as an equivalent closure device.

IX. PERMIT SHIELD

Table IX B - 1
Permit Shield for Subsumed Requirements
S-324 API OIL/WASTEWATER SEPARATOR

Subsumed Requirement Citation	Title or Description	Streamlined Requirements	Title or Description
NSPS Subpart QQQ, 40 CFR 60.693-2(a)(3)	Floating roofs installed as alternative standard for oil-water separators shall be floating on the liquid (i.e., off the roof supports) at all times, except for low flow conditions.	BAAQMD 8-8-302.1 and Permit Condition 1440, Part 1	The API separator shall be equipped and operated such that the fixed roof is in full contact with the liquid at all times. As described in the NSPS Subpart QQQ Request for Alternative Standards pursuant to 40 CFR 60.693-2(b) and 60.694 submitted to USEPA by Unocal on December 28, 1987, in lieu of a floating roof equipped with a closure device, the separator would be equipped with the full contact fixed roof as an equivalent closure device.
NSPS Subpart QQQ, 40 CFR 60.697(k)	For oil-water separators subject to 60.693-2, record information from inspections conducted pursuant to the 60.693-2(a)(1)(iii)(A) and (B) requirements for floating roofs equipped with a closure device.	BAAQMD 8-8-302.1 and Permit Condition 1440, Part 1	The API separator shall be equipped and operated such that the fixed roof is in full contact with the liquid at all times. As described in the NSPS Subpart QQQ Request for Alternative Standards pursuant to 40 CFR 60.693-2(b) and 60.694 submitted to USEPA by Unocal on December 28, 1987, in lieu of a floating roof equipped with a closure device, the separator would be equipped with the full contact fixed roof as an equivalent closure device.

IX. PERMIT SHIELD

Table IX B - 2
Permit Shield for Subsumed Requirements
S-352 – COMBUSTION TURBINE
S-353 – COMBUSTION TURBINE
S-354 – COMBUSTION TURBINE

Subsumed Requirement Citation	Title or Description	Streamlined Requirements	Title or Description
NSPS Subpart GG, 40 CFR 60.334(a)	Install and operate a continuous monitoring system to monitor and record the ratio of water to fuel being fired in the turbine.	BAAQMD 9-9-501, Permit Condition 12122, Part 9b, Permit Condition 18629, Part IX.G.1.a., and proposed Subpart GG Amendments: 40 CFR 60.334(b).	Per BAAQMD regulations and permit conditions, ConocoPhillips has equipped the turbines with NOx CEMs in lieu of monitoring the water-to-fuel-ratio being fired in the turbines. Further, proposed amendments to Subpart GG (FR 17990), allow facilities to install and operate a NOx CEM in lieu of water to fuel ratio monitoring.
NSPS Subpart GG, 40 CFR 60.334(b)	Monitor nitrogen content of the fuel being fired in the turbine.	Proposed Subpart GG Amendments: 40 CFR 60.334(h)(2).	Per proposed amendments to Subpart GG (FR 17990), facilities that elect to take no allowance for fuel bound nitrogen in determining the applicable NOx standard are not required to monitor nitrogen fuel content. ConocoPhillips will elect to take this approach when the proposed amendments become effective (May 29, 2003), resulting in a revised NOx standard per 60.332(a)(2) of 150 ppmv at 15% O2 with no fuel bound nitrogen monitoring.
NSPS Subpart GG, 40 CFR 60.334(c)(1)	Definition of excess nitrogen oxide emissions for purposes of reports under 40 CFR 60.7(c) is based on any one-hour period during which the average water-to-fuel ratio falls below the water-to-fuel ratio determined to demonstrate compliance by the performance test required in 60.8..	BAAQMD 9-9-501, Permit Condition 12122, Part 9b, Permit Condition 18629, Part IX.G.1.a., and proposed Subpart GG Amendments: 40 CFR 60.334(j)(1)(iii).	Per proposed amendments to Subpart GG (FR 17990), the definition of excess emissions is revised for facilities that install and operate a NOx CEMS in lieu of water to fuel ratio monitoring. The revised definition is based on an operating hour in which the 4-hour rolling average NOx concentration as measured by the CEM exceeds the 60.332(a)(2) limit.

X. REVISION HISTORY

Initial Major Facility Review Permit Issuance (Application 16487)	December 1, 2003
Administrative Amendment (no application) Deferral of effective date for monitoring conditions for BAAQMD Regulation 9, Rule 10 in Section IV and VII tables for sources S296 and S398 and in BAAQMD Condition 18255.	May 27, 2004

XI. GLOSSARY

ACT
Federal Clean Air Act

APCO
Air Pollution Control Officer

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 which allows the District to impose requirements.

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 which provides a continuous record of some parameter (e.g. NOx concentration) in an exhaust steam.

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.

XI. Glossary

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 Tons

District
The Bay Area Air Quality Management District

dscf
Dry Standard Cubic Feet

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(10x10x10x10x10x10) = 4,530,000. Scientific notation is used to express large or small numbers without writing out long strings of zeros.

EFRT
An "external floating roof tank" minimizes VOC emissions with a roof with floats on the surface of the liquid, thus preventing the formation of a VOC-rich vapor space above the liquid surface as the level in the tank drops. If such a vapor space were allowed to form, it would be expelled when the tank was re-filled. On an EFRT, the floating roof is not enclosed by a second, fixed tank roof, and is thus described as an "external" roof.

EMP
Environmental Management Plan

ESP
Electrostatic Precipitator

XI. Glossary

EPA
The federal Environmental Protection Agency.

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.

GRU
Gas Recovery Unit

H2S
Hydrogen sulfide

H_2SO_4
Sulfuric Acid

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.

HC
Hydrocarbon

Hg
Mercury

HNC
Heavy Neutral Hydrocracker

HNHF
Heavy Neutral Hydrofinisher

HHV
High Heating Value. The quantity of heat evolved as determined by a calorimeter where the

XI. Glossary

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.

LFSO
Low sulfur fuel oil

Lighter
"Lightering" is a transfer operation during which liquid is pumped from an ocean-going tanker vessel to a smaller vessel such as a barge. Like any liquid transfer operation, lightering of organic liquids produces organic vapor emissions.

LNC
Light Neutral Hydrocracker

LNHF
Light Neutral Hydrofinisher

LPG
Liquid Petroleum Gas

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

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

MM
Million

Mo Gas
Motor gasoline

MOP
The District's Manual of Procedures

MTBE

XI. Glossary

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

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PM
Total Particulate Matter

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

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

RACT
Reasonably Available Control Technology

Regulated Organic Liquid
"Regulated organic liquids" are those liquids which require permits, or which are subject to some regulation, when processed at a liquid-handling operation. For example, for refinery marine terminals, regulated organic liquids are defined as "organic liquids" in Regulation 8, Rule 44.

SCR
A "selective catalytic reduction" unit is an abatement device which reduces NOx concentrations in the exhaust stream of a combustion device. SCRs utilize a catalyst, which operates at a specific temperature range, and injected ammonia to promote the conversion of NOx compounds to nitrogen gas.

SDA
Solvent deasphalting

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

SO2
Sulfur dioxide

SO2 Bubble
An SO2 bubble is an overall cap on the SO2 emissions from a defined group of sources, or from an entire facility. SO2 bubbles are sometimes used at refineries because combustion sources are typically fired entirely or in part by "refinery fuel gas" (RFG), a waste gas product from refining operations. Thus, total SO2 emissions may be conveniently quantified by monitoring the total amount of RFG that is consumed, and the concentration of H2S and other sulfur compounds in the RFG.

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SO3
Sulfur trioxide

SRU
Sulfur Recovery Unit

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

THC
Total Hydrocarbons (NMHC + Methane)

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

TKC
Taylor Kinetic Cracking

TOC
Total Organic Compounds (NMOC + Methane, Same as THC)

TPH
Total Petroleum Hydrocarbons

TRMP
Toxic Risk Management Plan

TRS
"Total reduced sulfur" is a measure of the amount of sulfur-containing compounds in a gas stream, typically a fuel gas stream, including, but not limited to, hydrogen sulfide. The TRS content of a fuel gas determines the concentration of SO2 that will be present in the combusted fuel gas, since sulfur compounds are converted to SO2 by the combustion process.

TSP
Total Suspended Particulate

VGO
Vacuum Gas Oil

VOC
Volatile Organic Compounds

VR

XI. Glossary

Vapor Recovery

WWT
Wastewater Treatment

Units of Measure:

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

XII. APPLICABLE STATE IMPLEMENTATION PLAN

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

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