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**
Rand Swenson, Refinery Manager	Jennifer Ahlskog, Environmental Specialist
510 245 4415	510 245 4439

Type of Facility: Petroleum refinery
Primary SIC: 2911
Product: Refined petroleum products

BAAQMD Engineering Division Contact:
Sanjeev Kamboj

ISSUED BY THE BAY AREA AIR QUALITY MANAGEMENT DISTRICT

Signed by Jean Roggenkamp for _____ October 15, 2007
Jack P. Broadbent, Executive Officer/Air Pollution Control Officer Date

TABLE OF CONTENTS

I. STANDARD CONDITIONS

A. Administrative Requirements

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

BAAQMD Regulation 1 - General Provisions and Definitions
(as amended by the District Board on 7/17/06);
SIP Regulation 1 - General Provisions and Definitions
(as approved by EPA on 6/28/99);
BAAQMD Regulation 2, Rule 1 - Permits, General Requirements
(as amended by the District Board on 7/19/06);
SIP Regulation 2, Rule 1 - Permits, General Requirements
(as approved by EPA on 1/26/99);
BAAQMD Regulation 2, Rule 2 - Permits, New Source Review
(as amended by the District Board on 6/15/05);
SIP Regulation 2, Rule 2 - Permits, New Source Review and Prevention of Significant Deterioration
(as approved by EPA on 1/26/99);
BAAQMD Regulation 2, Rule 4 - Permits, Emissions Banking
(as amended by the District Board on 12/21/04);
SIP Regulation 2, Rule 4 - Permits, Emissions Banking
(as approved by EPA on 1/26/99); and
BAAQMD Regulation 2, Rule 6 - Permits, Major Facility Review
(as amended by the District Board on 4/16/03).

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**.** If the permit renewal has not been issued by November 30, 2008, but a complete application for renewal has been submitted in accordance with the above deadlines, the existing permit will continue in force until the District takes final action on the renewal application. (Regulation 2-6-307, 404.2, 407, & 409.6; MOP Volume II, Part 3, §4.2)

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

3. In the event any enforcement action is brought as a result of a violation of any term or condition of this permit, the fact that it would have been necessary for the permittee to halt or reduce the permitted activity in order to maintain compliance

I. Standard Conditions

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)
12. The permit holder is responsible for compliance, and certification of compliance, with all conditions of the permit, regardless whether it acts through employees, agents, contractors, or subcontractors. (Regulation 2-6-307)

C. Requirement to Pay Fees

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

I. Standard Conditions

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. 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, 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. 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:

I. Standard Conditions

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

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

H. Emergency Provisions

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

I. Severability

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

J. Miscellaneous Conditions

1. [Reserved]

2. 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.

3. [Reserved]

4. Where an applicable requirement allows multiple compliance options and where more

I. Standard Conditions

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

5. Deleted Application 12433.

6. Deleted Application 12433.

7. Deleted Application 12433.

8. Deleted Application 12433.

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 MMbtu/hr
3	U230, B-201 Heater (natural gas, refinery fuel gas, naphtha)	Petro-Chem	process heater	62 MMbtu/hr
4	U231, B-101 Heater (natural gas, refinery fuel gas)	Braun	process heater	96 MMbtu/hr
5	U231, B-102 Heater (natural gas, refinery fuel gas)	Braun	process heater	104 MMbtu/hr
7	U231, B-103 Heater (natural gas, refinery fuel gas, naphtha)	Petro-Chem	process heater	64 MMbtu/hr
8	U240, B-1 Boiler (natural gas, refinery fuel gas)	Combustion Engineering	process heater	256 MMbtu/hr
9	U240, B-2 Boiler (natural gas, refinery fuel gas)	Born	process heater	61 MMbtu/hr
10	U240, B-101 Heater (natural gas, refinery fuel gas)	Foster-Wheeler	process heater	223 MMbtu/hr
11	U240, B-201 Heater (natural gas, refinery fuel gas)	Econo-Therm	process heater	108 MMbtu/hr
12	U240, B-202 Heater (natural gas, refinery fuel gas)	Econo-Therm	process heater	42 MMbtu/hr
13	U240, B-301 Heater (natural gas, refinery fuel gas)	Born	process heater	194 MMbtu/hr
14	U240, B-401 Heater (natural gas, refinery fuel gas)	Selas	process heater	556 MMbtu/hr
15	U244, B-501 Heater (natural gas, refinery fuel gas)	Alcorn	process heater	239.75 MMbtu/hr total for S15 through S19
16	U244, B-502 Heater (natural gas, refinery fuel gas)	Alcorn	process heater	239.75 MMbtu/hr total for S15 through S19
17	U244, B-503 Heater (natural gas, refinery fuel gas)	Alcorn	process heater	239.75 MMbtu/hr total for S15 through S19
18	U244, B-504 Heater (natural gas, refinery fuel gas)	Alcorn	process heater	239.75 MMbtu/hr total for S15 through S19
19	U244, B-505 Heater (natural gas, refinery fuel gas)	Alcorn	process heater	239.75 MMbtu/hr total for S15 through S19
20	U244, B-506 Heater (natural gas, refinery fuel gas)	Econo-Therm	process heater	23 MMbtu/hr
21	U244, B-507 Heater (natural gas, refinery fuel gas)	Econo-Therm	process heater	8.1 MMbtu/hr
22	U248, B-606 Heater (natural gas, refinery fuel gas)	Econo-Therm	process heater	31 MMbtu/hr

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
29	U200, B-5 Heater (natural gas, refinery fuel gas)	Foster-Wheeler	process heater	103 MMbtu/hr
30	U200, B-101 Heater (natural gas, refinery fuel gas)	Petro-Chem	process heater	50 MMbtu/hr
31	U200, B-501 Heater (natural gas, refinery fuel gas)	Petro-Chem	process heater	20 MMbtu/hr
36	U200, B-102 Heater (natural gas, refinery fuel gas)	NA	process heater	82.1 MMbtu/hr
43	U200, B-202 Heater (natural gas, refinery fuel gas)		process heater	230 MMbtu/hr
44	U200, B-201 PCT Reboil Furnace (natural gas, refinery fuel gas)		process heater	46 MMbtu/hr
50	Diesel Engine (turbine S352 startup)	Allis-Chalmers	6138, 435 hp	<100 hr/yr operation
51	Diesel Engine (turbine S353 startup)	Allis-Chalmers	6138, 435 hp	<100 hr/yr operation
52	Diesel Engine (turbine S354 startup)	Allis-Chalmers	6138, 435 hp	<100 hr/yr operation
53	SPP Emergency Generator G-27 (diesel fuel)	Cummins	6B-5.9, 97 hp	<100 hr/yr operation (excluding emergency use)
54	Pump Station 3 CP-198 Emergency Engine (diesel fuel)	Waukesha Scania	F647DSUF, 258 hp	<100 hr/yr operation (excluding emergency use)
55	Pump Station 3 CP-199 Emergency Engine (diesel fuel)	Waukesha Scania	F647DSUF, 258 hp	<100 hr/yr operation (excluding emergency use)
56	Pump Station 4 G-201A Emergency Engine (diesel fuel)	Caterpillar	3406, 370 hp	<100 hr/yr operation (excluding emergency use)
57	Pump Station 4 G-201B Emergency Engine (diesel fuel)	Caterpillar	3406, 370 hp	<100 hr/yr operation (excluding emergency use)
58	Pump Station 4 G-422A Emergency Engine (diesel fuel)	Caterpillar	3406, 370 hp	<100 hr/yr operation (excluding emergency use)
59	Pump Station 4 G-422B Emergency Engine (diesel fuel)	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

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
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
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	5,300 gal
118	Tank 163	fixed roof	lube oil	5,300 gal
121	Tank 166	external floating roof	gasoline	18,500 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	internal floating roof tank with dome 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
135	Tank 200	Fixed roof	Petroleum liquids to 11 psia	79 thousand bbl
137	Tank 202	Fixed roof	Petroleum liquids to 11 psia	88 thousand bbl
139	Tank 204 (also oil-water separator)	Fixed roof	Sour water, distillate oil	81 thousand bbl
140	Tank 205 (also oil-water separator)	Fixed roof	Sour water, 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

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
186	Tank 298	external floating roof	naphtha	47 thousand bbl
193	Tank 305	fixed roof	dye	2,000 gal
194	Tank 306	fixed roof	dye	2,000 gal
195	Water Treatment Sludge Tank T-501	fixed-roof	sludge	2,500 bbl
196	Water Treatment Sludge Tank T-502	fixed-roof	sludge	2,500 bbl
216	Tank 695	external floating roof	naphtha	2.0 million gal
238	Used Caustic Tank T-211	fixed-roof	caustic waste	10,000 bbl
239	Stripped Foul Water Tank T-212	fixed-roof	sour water	10,000 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
257	Tank 1004	internal floating roof tank with dome roof	gasoline	104 thousand bbl
258	Tank 1005	internal floating roof tank with dome 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	15,000 gal underground tank
296	C-1 Flare (main refinery flare, elevated, steam-assisted, serves S304, S305, S306)	Callidus		845 ton/hr gas handling capacity, 6.6 MMbtu/hr pilot
300	U200 Delayed Coker	delayed coker	NA	81,000 bbl/day
301	Molten Sulfur Pit 234	NA	NA	271 long ton/day for S301, S302, S303
302	Molten Sulfur Pit 236	NA	NA	271 long ton/day for S301, S302, S303
303	Molten Sulfur Pit 238	NA	NA	271 long ton/day for S301, S302, S303
304	Light Naphtha Hydrotreater	NA	NA	12,198 bbl/day
305	U230 Prefractionator/Naphtha Hydrotreater	NA	NA	28,000 bbl/day
306	U231 Platforming Unit	NA	NA	21,000 bbl/day
307	U240 Unicracking Unit	NA	NA	42,000 bbl/day
308	U244 Reforming Unit	NA	NA	16,087 bbl/day
309	U248 UNISAR Unit	NA	NA	16,740 bbl/day
318	U76 Gasoline/Mid Barrel Blending Unit	NA	NA	113,150 bbl/day petroleum fluids except diesel, No daily limit for diesel

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
319	U215 Gasoline Fractionating Unit	NA	NA	9,600 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 MMbtu/hr
337	U231 B-105 Heater (natural gas, refinery fuel gas)	Foster-Wheeler	process heater	34 MMbtu/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
350	U267 Crude Distillation Unit	atmospheric/vacuum towers		36,000 bbl/day
351	U267 B-601/602 Tower Pre-heaters (natural gas, refinery fuel gas)			95 MMbtu/hr
352	Combustion Turbine (natural gas, refinery fuel gas)	Westinghouse	191	291 MMbtu/hr continuously
353	Combustion Turbine (natural gas, refinery fuel gas)	Westinghouse	191	291 MMbtu/hr continuously
354	Combustion Turbine (natural gas, refinery fuel gas)	Westinghouse	191	291 MMbtu/hr continuously
355	Supplemental Firing Duct Burners (natural gas, refinery fuel gas)	Coen		175 MMbtu/hr
356	Supplemental Firing Duct Burners (natural gas, refinery fuel gas)	Coen		175 MMbtu/hr
357	Supplemental Firing Duct Burners (natural gas, refinery fuel gas)	Coen		175 MMbtu/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 MMbtu/hr for S371, 372

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
372	U228 B-521 (Hydrogen Plant) Furnace (natural gas, refinery fuel gas)	Selas		58 MMbtu/hr for S371, 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 (F271-F278)	wastewater		420 thousand gal/hr
386	PAC Regeneration Sludge Thickener (F-211)		25 ft dia	44,000 gal
387	Wet Air Regeneration (P-202)	Zimpro		15 gpm
388	Water Treatment Sludge Tanks (T276, F205)	30 ft dia by 24 ft 12 ft dia by 24 ft		3,500 bbl
389	Diatomaceous earth silo (F-214)			40,000 lb
390	F-106 Thickened Sludge Storage	15 ft diameter open tank		38,000 gal
392	Regenerated PAC Slurry Storage Tank F-266	fixed roof		42,000 gal
398	MP-30 Flare (backup refinery flare, elevated, steam-assisted, serves S304, S305, S306)	John Zink	Q5-48C	845 ton/hr gas handling capacity, 3.1 MMbtu/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		Products: 25,000 bbl/day annual average for S425, S426 total; Crude oil: 30,000 bbl/day annual average for S425, S426 total
426	Marine Loading Berth M2	4 permitted arms		Products: 25,000 bbl/day annual average for S425, S426 total; Crude oil: 30,000 bbl/day annual average for S425, S426 total
432	U215 Deisobutanizer			7,600 bbl/day
433	MOSC Storage Tank	fixed roof		30,000 gal
435	Reformate Splitter			18,100 bbl/day
436	Deisopentanizer			13,400 bbl/day

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
437	Hydrogen Manufacturing Unit			28.5 million scf/day
438	U110, H-1 (H2 Plant Reforming) Furnace (natural gas, refinery fuel gas, PSA offgas)	John Zinc PFFG burners	reforming furnace	250 MMbtu/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
453	U236 Cooling Tower	Induced draft	Unknown	13,500 gpm
455	U240 Cooling Tower	Induced draft	Unknown	30,000 gpm
460	U250 Diesel Hydrotreater	NA	NA	35,000 bbl/day
461	U250, B-701 Heater (natural gas, refinery fuel gas)	NA	process heater	50.2 MMbtu/hr
462	U215 Fuel Gas Caustic Treatment System	NA	NA	4.2 million scf/day of fuel gas
463	U215 Butane Caustic Treatment System	NA	NA	1,000 bbl/day of butane
1001	Sulfur Plant Unit 234 (including aux. burner)		Claus	271 long ton/day for S1001, S1002 and S1003
1002	Sulfur Plant Unit 236 (including aux. burner, water stripper)		Claus	271 long ton/day for S1001, S1002 and S1003
1003	Sulfur Plant Unit 238 (including aux. burner)		Claus	271 long ton/day for S1001, S1002 and S1003
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			2.3 MMgal

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
1009	U100 Main Stormwater Basin			7.2 MMgal

Table II B – Abatement Devices

A#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
1	Sulfur Plant Tail-Gas Treatment Plant	S1001 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
1	Sulfur Plant Tail-Gas Treatment Plant	S1001 tailgas	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	S1002 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
2	Sulfur Plant Tail-Gas Treatment Plant	S1002 tailgas	BAAQMD 6-330	none	0.08 grain/dscf exhaust concentration of SO3 and H2SO4, expressed as 100% H2SO4

II. Equipment

Table II B – Abatement Devices

A#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
3	Sulfur Plant Tail-Gas Treatment Plant	S1003 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
3	Sulfur Plant Tail-Gas Treatment Plant	S1003 tailgas	BAAQMD 6-330	none	0.08 grain/dscf exhaust concentration of SO3 and H2SO4, expressed as 100% H2SO4
4	SCR System	S43	BAAQMD Condition 1694	NOx, O2 CEMs	40 ppmv NOx at 3% O2 (over 8-hr period) except at startup and shutdown
4	SCR System	S43	BAAQMD Condition 1694	none	50 ppmv CO at 3% O2 (monthly average) except at startup and shutdown
6	SCR System	S351	BAAQMD Condition 1694	NOx, O2 CEMs	20 ppmv NOx at 3% O2 (over 3-hr period) except at startup and shutdown

II. Equipment

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 S135, S137. S139, S140, S182, S388, S433, S445, S446, S447	BAAQMD 7-301, 7-302, 7-303	none	nuisance odors
7	Vapor Recovery System (3 electrically driven compressors)	S135, S137, S139, S140, S182	BAAQMD 8-5-306	None	95% overall control of emissions
7	Vapor Recovery System (3 electrically driven compressors)	S449	BAAQMD Condition 11219	None	vent emissions to the refinery fuel gas system
7	Vapor Recovery System (3 electrically driven compressors)	S433	BAAQMD Condition 7353	None	vent emissions to the refinery fuel gas system
7	Vapor Recovery System (3 electrically driven compressors)	S445	BAAQMD Condition 12130	None	vent emissions to the refinery fuel gas system
7	Vapor Recovery System (3 electrically driven compressors)	S446	BAAQMD Condition 12131	None	vent emissions to the refinery fuel gas system
7	Vapor Recovery System (3 electrically driven compressors)	S447	BAAQMD Condition 12132	None	vent emissions to the refinery fuel gas system
7	Vapor Recovery System (3 electrically driven compressors)	S182	BAAQMD Condition 13184	None	vent emissions to the refinery fuel gas system

II. Equipment

Table II B – Abatement Devices

A#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
8	Stretford Evaporative Cooler	S301	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
8	Stretford Evaporative Cooler		BAAQMD 6-330	none	0.08 grain/dscf exhaust concentration of SO3 and H2SO4, expressed as 100% H2SO4
9	Stretford Evaporative Cooler	S302	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
9	Stretford Evaporative Cooler		BAAQMD 6-330	none	0.08 grain/dscf exhaust concentration of SO3 and H2SO4, expressed as 100% H2SO4
10	Stretford Evaporative Cooler	S303	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

II. Equipment

Table II B – Abatement Devices

A#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
10	Stretford Evaporative Cooler		BAAQMD 6-330	none	0.08 grain/dscf exhaust concentration of SO3 and H2SO4, expressed as 100% H2SO4
13	SCR System	S352, S355	BAAQMD Condition 12122, Part 9a	NOx CEM	66 lb/hr NOx (3 hr average), 167 ton/yr NOx at S352-S357; 528 lb/day NOx per turbine/duct burner set
13	SCR System	S352, S355	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 S352-S357
13	SCR System	S352	BAAQMD 9-9-301	NOx, CO, and O2 (or CO2) CEM	9 ppmv NOx at 15% O2
14	SCR System	S353, S356	BAAQMD Condition 12122, Part 9a	NOx CEM	66 lb/hr NOx (3 hr average), 167 ton/yr NOx at S352-S357; 528 lb/day NOx per turbine/duct burner set

II. Equipment

Table II B – Abatement Devices

A#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
14	SCR System	S353, S356	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 S352-S357
14	SCR System	S353	BAAQMD 9-9-301	NOx, CO, and O2 or CO2 CEM	9 ppmv NOx at 15% O2
15	SCR System	S354, S357	BAAQMD Condition 12122, Part 9a	NOx CEM	66 lb/hr NOx (3 hr average), 167 ton/yr NOx at S352-S357; 528 lb/day NOx per turbine/duct burner set
15	SCR System	S354, S357	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 S352-S357
15	SCR System	S354	BAAQMD 9-9-301	NOx, CO, and O2 (or CO2) CEM	9 ppmv NOx at 15% O2
16	SCR System	S371	BAAQMD Condition 1694, Part C2	none	20 ppmv NOx at 3% O2 (3-hr average)
16	SCR System	S371	BAAQMD Condition 1694, Part C3	none	50 ppmv CO at 3% O2 (3-hr average)
17	SCR System	S372	BAAQMD Condition 1694, Part C2	none	20 ppmv NOx at 3% O2 (3-hr average)

II. Equipment

Table II B – Abatement Devices

A#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
17	SCR System	S372	BAAQMD Condition 1694, Part C3	none	50 ppmv CO at 3% O2 (3-hr average)
20	Activated Carbon Silo Baghouse	S380	BAAQMD Regulations 6-301 6-305 6-310 6-311 BAAQMD Condition 18251	differential pressure	normal range
21	Diatomaceous Earth Silo Baghouse	S389	BAAQMD Regulations 6-301 6-305 6-310 6-311 BAAQMD Condition 18251	differential pressure	normal range
36	SCR System	S36	BAAQMD Condition 21097	NOx, O2 CEM	10 ppmv NOx at 3% O2 (3-hr average)
46	SCR System	S438	BAAQMD Condition 1694, Part E	NOx, O2 CEMs	7 ppmv NOx at 3% O2 (1-hr average)
46	SCR System	S438	BAAQMD Condition 1694, Part E	none	32 ppmv CO at 3% O2 (daily average)

II. Equipment

Table II B – Abatement Devices

A#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
50	Hydrogen Plant Vent Scrubber	S307	BAAQMD 8-2-301	None	15 lb/day POC from emission streams with more than 300 ppm total carbon
113	SCR System	S13	BAAQMD 9-10-301	NOx, O2 CEM	0.033 lb NOx/MMbtu refinery-wide limit
420	Marine Terminal Thermal Oxidizer (30 MMbtu/hr)	S425 S426	BAAQMD 8-44-304, SIP 8-44-301	Temperature: > 1300 F. for first 15 minutes; < 1400 F. for rest of loading event	2 pounds POC per 1,000 bbl loaded OR at least 95% by weight reduction of POC emissions
420	Marine Terminal Thermal Oxidizer	S425 S426	40 CFR 60.104(a)(1) NSPS 40 CFR 60 Subpart A	H2S concentration None	fuel gas H2S concentration limited to 230 mg/dscm (0.10 gr/dscf) None
420	Marine Terminal Thermal Oxidizer	S425 S426	BAAQMD Condition 4336, part 9	Temperature: > 1300 F. for first 15 minutes; < 1400 F. for rest of loading event	At least 98.5% by weight reduction of POC emissions for loading of gasoline, gasoline blending stocks, aviation gas, aviation fuel (JP-4 type), and crude oil

II. Equipment

Table II B – Abatement Devices

A#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
461	SCR System	S461	BAAQMD Condition 21096	NOx, O2 CEM	10 ppmv NOx at 3% O2 (3-hr average)

Table II C – Significant Sources

The following sources are exempt from the requirement to obtain an authority to construct and permit to operate, but are defined as significant sources pursuant to BAAQMD Regulation 2-6-239.

S#	Description	Make or Type	Model	Capacity
452	U230 Cooling Tower	Induced draft	Unknown	13,800 gpm

Table II D – 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

II. Equipment

Table II D – Sources Exempt from Permit Requirements

S#	Description	Basis for Exemption
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
136	Tank 201	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

II. Equipment

Table II D – Sources Exempt from Permit Requirements

S#	Description	Basis for Exemption
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
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
452	U230 Cooling Tower	BAAQMD 2-1-128.4
456	U110 Cooling Tower	BAAQMD 2-1-128.4
457	U228 Cooling Tower	BAAQMD 2-1-128.4
458	U200 Cooling Tower	BAAQMD 2-1-128.4
500	ULSD 220/250 Cooling Tower	BAAQMD 2-1-128.4

III. GENERALLY APPLICABLE REQUIREMENTS

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

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

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

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

NOTE:

There are differences between the current BAAQMD rules and the 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 (7/17/06)	N
SIP Regulation 1	General Provisions and Definitions (6/28/99)	Y - note 1
BAAQMD Regulation 2, Rule 1	General Requirements (7/19/06)	N
SIP Regulation 2, Rule 1	General Requirements (1/26/99)	Y - note 1
BAAQMD Regulation 2, Rule 2	New Source Review (6/15/05)	N
SIP Regulation 2, Rule 2	New Source Review (1/26/99)	Y - note 1
BAAQMD Regulation 2, Rule 4	Emissions Banking (12/21/04)	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 4	Emissions Banking (1/26/99)	Y - note 1
BAAQMD Regulation 2, Rule 6	Major Facility Review (4/16/03)	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 (6/15/05)	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 (3/6/02)	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
BAAQMD Regulation 8, Rule 4	Organic compounds - General Solvent and Surface Coating Operations (10/16/02)	Y
BAAQMD Regulation 8, Rule 10	Organic Compounds – Pressure Vessel Depressurization (1/21/04)	Y – note 2
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 47	Organic Compounds - Air Stripping and Soil Vapor Extraction Operations (6/15/94)	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 9, Rule 1	Inorganic Gaseous Pollutants - Sulfur Dioxide (3/15/95)	N
SIP Regulation 9, Rule 1	Inorganic Gaseous Pollutants - Sulfur Dioxide (6/8/99)	Y

III. Generally Applicable Requirements

Table III
Generally Applicable Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)
BAAQMD Regulation 11, Rule 2	Hazardous Pollutants - Asbestos Demolition, Renovation and Manufacturing (10/7/98)	Y
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
California Health and Safety Code Section 41750 et seq.	Portable Equipment	N
California Health and Safety Code Section 44300 et seq.	Air Toxics "Hot Spots" Information and Assessment Act of 1987	N
40 CFR Part 61, Subpart M	National Emission Standards for Hazardous Air Pollutants – National Emission Standard for Asbestos (6/19/95)	Y
EPA Regulation 40 CFR 82	Protection of Stratospheric Ozone (2/21/95)	Y
Subpart F, 40 CFR 82.156	Leak Repair	Y
Subpart F, 40 CFR 82.161	Certification of Technicians	Y
Subpart F, 40 CFR 82.166	Records of Refrigerant	Y
Subpart H, 40 CFR 82.270(b)	Prohibitions, Halon	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.

2 Generally, non-SIP regulations are not federally enforceable. However, sections 8-10-501 and 8-10-502 are required to assure compliance with federally-enforceable provisions of SIP Regulation 8, Rule 10, and therefore are federally-enforceable.

IV. SOURCE-SPECIFIC APPLICABLE REQUIREMENTS

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

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

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

The full text of each permit condition cited is included in Section VI, Permit Conditions, of this permit. The full language of SIP requirements is on EPA Region 9's website. The address is: http://yosemite.epa.gov/r9/r9sips.nsf/Agency?ReadForm&count=500&state=California&cat=Bay+Area+Air+Quality+Management+District-Agency-Wide+Provisions. 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 (7/17/06)**		
1-107	Combination of Emissions	Y	
1-301	Public Nuisance Prohibition	N	
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	

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
1-544	Monthly Summary	Y	
BAAQMD Regulation 2, Rule 1	**General Requirements (7/19/06)**		
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	

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	Determination of Emissions	Y	
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 1-510, 1-530, 1-540, 1-542, 1-543, 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	
9-1-313	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]**		
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	

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 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	
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	
60.12	Circumvention	Y	
60.13	Monitoring requirements	Y	
60.14	Modifications	Y	
60.15	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
60.16	Priority list	Y	
60.17	Incorporation by reference	Y	
60.18	General control device requirements	Y	
60.19	General notification and reporting requirements	Y	
40 CFR 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	
40 CFR 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(b)	Applicability: hazardous waste	Y	
61.340(c)	Applicability: Exempt Waste	Y	
61.340(d)	Exemption for gaseous streams routed to fuel gas systems	Y	
61.342	Standards: General	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
61.342(a)	exemption for facilities with less than 10 Mg/yr of benzene in waste from 61.342(b) and 61.342(c)	Y	
61.342(g)	Compliance determined by review of records, test results, and inspections	Y	
61.355	Test methods, procedures and compliance provisions	Y	
61.355(a)	Determination of total annual benzene quantity from facility waste	Y	
61.355(b)	Determination at point of waste generation	Y	
61.355(c)	Determination of flow-weighted annual average benzene concentration	Y	
61.356	Recordkeeping requirements	Y	
61.356(a)	recordkeeping and retention requirements	Y	
61.356(b)	waste stream records	Y	
61.356(b)(1)	Records for uncontrolled streams	Y	
61.356(b)(5)	Records for turnaround waste	Y	
61.357	Reporting requirements	Y	
61.357(a)	Reports after startup	Y	
61.357(c)	reporting requirements for facilities with less than 10 Mg/yr total benzene in waste	Y	
BAAQMD Regulation 11, Rule 12	Incorporates by reference 40 CFR 61, Subpart FF	Y	
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	
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	

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
63.8	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	
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	
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	
40 CFR 63, Subpart CC	**National Emissions Standards for Hazardous Air Pollutants from Petroleum Refineries (8/18/95)**		

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
63.640(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(d)(5)	Exclusion for emission points routed to a fuel gas system	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	
63.640(p)	Overlap of Subpart CC with other regulations for equipment leaks	Y	
63.642	General Standards		
63.642(a)	apply for a Part 70 or Part 71 operating permit	Y	
63.642(c)	Table 6 of this subpart specifies the Subpart A provisions that apply.	Y	
63.642(d)	initial performance tests and compliance determinations shall be required only as specified in this subpart	Y	
63.642(e)	keep copies of all applicable reports and records for at least 5 years, except as otherwise specified in this subpart.	Y	
63.642(f)	all reports required by this subpart shall be sent to the Administrator	Y	
63.642(g)	existing source owners/operators shall control emissions of organic HAPs to the level represented by the equation in this paragraph	Y	

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(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	
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	

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(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 61, Subpart FF, unless they comply with those specified in paragraph (o)(2)(ii) of 63.640. Recordkeeping and reporting for wastewater streams included in emission averages are specified in 63.653 and in paragraphs (f)(5) and (g)(8) of this section.	Y	
63.654(d)	Owner/operators subject to the equipment leaks standards in 63.648 shall comply with the recordkeeping and reporting provisions of paragraphs (d)(1) through (d)(6) of this section.	Y	

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 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. [Basis: Regulation 2-1-403]	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.

Table IV – A.1
Source-specific Applicable Requirements
S2 – 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 (7/17/06)**		
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	N	
9-10-301.1	...Start-up/Shutdown Contribution	N	
9-10-301.2	...Out-of-Service Units Contribution	N	
9-10-301.3	...Test-firing on Non-gaseous fuel Contribution	N	
9-10-303	Federal Facility-wide NOx emission rate limit	Y	
9-10-305	CO emission limit	N	
9-10-502	Monitoring	Y	

IV. Source Specific Applicable Requirements

Table IV – A.1
Source-specific Applicable Requirements
S2 – UNIT 229, B-301 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	N	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	N	
9-10-504.1	Records	N	
9-10-505	Reporting	N	
9-10-601	Determination of NOx	N	
9-10-602	Determination of CO and Stack Gas O2	N	
9-10-603	Compliance Determination	Y	
40 CFR 60, Subpart A	**General Provisions (2/12/98)**		
60.7(b)	Records	Y	
60.7(c)	Notification and recordkeeping for continuous monitoring	Y	
60.7(d)	Summary reports	Y	
60.7(e)	Reduction of frequency of summary reports	Y	
60.7(f)	Records	Y	
60.7(g)	Alternative Notification	Y	
60.7(h)	Specific Provisions	Y	
60.8	Performance Tests	Y	
60.11	Compliance with Standards and Maintenance Requirements	Y	
60.11(a)	Compliance determined by performance tests	Y	
60.11(d)	Control devices operated using good air pollution control practice	Y	
60.13	Monitoring requirements	Y	
60.13(a)	Continuous monitoring systems subject to Appendix B, and Appendix F, (if used to demonstrate compliance with continuous emission limits), of Part 60	Y	
60.13(b)	Continuous monitoring systems and devices operational prior to performance tests required by 60.8	Y	
60.13(d)(1)	Continuous monitoring system zero and span calibration requirements	Y	
60.13(e)	Continuous monitoring system minimum frequency of operation	Y	
60.13(e)(2)	Continuous monitoring system minimum frequency of operation for non-opacity-measuring devices	Y	
60.13(f)	Continuous monitoring system installation location requirement	Y	
NSPS 40 CFR 60, Subpart J	**Standards of Performance for Petroleum Refineries (7/1/00)**		

IV. Source Specific Applicable Requirements

Table IV – A.1
Source-specific Applicable Requirements
S2 – UNIT 229, B-301 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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	
BAAQMD Condition 1694			
Part A.1b	Heat ratings, firing limits [Basis: Regulation 2-1-301]	Y	
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 S2, S3, S4, S5, S7 [Basis: Cumulative Increase]	Y	
Part F.3	Monthly fuel firing records [Basis: Recordkeeping]	Y	
BAAQMD			

IV. Source Specific Applicable Requirements

Table IV – A.1
Source-specific Applicable Requirements
S2 – UNIT 229, B-301 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Condition 21235			
Part 1	Sources subject to Regulation 9-10–301 and 9-10-305 [Basis: Regulation 9-10-301, 9-10-305]	N	
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	N	
Part 3	"NOx Box" requirement for sources without NOx CEMs [Basis: Regulation 9-10-502]	N	
Part 4	"NOx Box" development procedure [Basis: Regulation 9-10-502]	N	
Part 5	"NOx Box" parameters [Basis: Regulation 9-10-502]	N	
Part 6a	Allowed "NOx Box" deviations [Basis: Regulation 9-10-502]	N	
Part 6b	"NOx Box" deviation reporting requirement [Basis: Regulation 9-10-502]	N	
Part 7	NOx, CO, O2 source test requirement for sources without NOx CEMs [Basis: Regulation 9-10-502]	N	
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	N	
Part 10	Recordkeeping requirement [Basis: Regulation 9-10-504]	N	

Table IV – A.2
Source-specific Applicable Requirements
S3 – 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 (7/17/06)**		
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,	**Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon Monoxide from Boilers, Steam Generators, and Process Heaters**		

IV. Source Specific Applicable Requirements

Table IV – A.2
Source-specific Applicable Requirements
S3 – UNIT 230, B-201 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Rule 10	**in Petroleum Refineries (7/17/02)**		
9-10-110.5	Exemptions: Fired on non-gaseous fuel when natural gas is unavailable for use	N	
9-10-301	Emission Limit for Facility, NOx: 0.033 lb NOx/MMbtu	N	
9-10-301.1	...Start-up/Shutdown Contribution	N	
9-10-301.2	...Out-of-Service Units Contribution	N	
9-10-301.3	...Test-firing on Non-gaseous fuel Contribution	N	
9-10-303	Federal Facility-wide NOx emission rate limit	Y	
9-10-305	CO emission limit	N	
9-10-502	Monitoring	Y	
9-10-502.1	CEMS for NOx, CO, and O2, or equivalent monitoring	N	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	N	
9-10-504.1	Records	N	
9-10-505	Reporting	N	
9-10-601	Determination of NOx	N	
9-10-602	Determination of CO and Stack Gas O2	N	
9-10-603	Compliance Determination	Y	
40 CFR 60, Subpart A	**General Provisions (2/12/98)**		
60.7(b)	Records	Y	
60.7(c)	Notification and recordkeeping for continuous monitoring	Y	
60.7(d)	Summary reports	Y	
60.7(e)	Reduction of frequency of summary reports	Y	
60.7(f)	Records	Y	
60.7(g)	Alternative Notification	Y	
60.7(h)	Specific Provisions	Y	
60.8	Performance Tests	Y	
60.11	Compliance with Standards and Maintenance Requirements	Y	
60.11(a)	Compliance determined by performance tests	Y	
60.11(d)	Control devices operated using good air pollution control practice	Y	
60.13	Monitoring requirements	Y	
60.13(a)	Continuous monitoring systems subject to Appendix B, and Appendix F, (if used to demonstrate compliance with continuous emission	Y	

IV. Source Specific Applicable Requirements

Table IV – A.2
Source-specific Applicable Requirements
S3 – UNIT 230, B-201 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	limits), of Part 60		
60.13(b)	Continuous monitoring systems and devices operational prior to performance tests required by 60.8	Y	
60.13(d)(1)	Continuous monitoring system zero and span calibration requirements	Y	
60.13(e)	Continuous monitoring system minimum frequency of operation	Y	
60.13(e)(2)	Continuous monitoring system minimum frequency of operation for non-opacity-measuring devices	Y	
60.13(f)	Continuous monitoring system installation location requirement	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	
BAAQMD Condition 1694			

IV. Source Specific Applicable Requirements

Table IV – A.2
Source-specific Applicable Requirements
S3 – UNIT 230, B-201 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part A.1a	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	Y	
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 2-6-409.2]	Y	
Part A.2c	Visible emissions monitoring for liquid-fired sources [Basis: Regulation 2-6-409.2]	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 S2, S3, S4, S5, S7 [Basis: Cumulative Increase]	Y	
Part F.3	Monthly fuel firing records [Basis: Recordkeeping]	Y	
BAAQMD Condition 21235			
Part 1	Sources subject to Regulation 9-10–301 and 9-10-305 [Basis: Regulation 9-10-301, 9-10-305]	N	
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	N	
Part 3	"NOx Box" requirement for sources without NOx CEMs [Basis: Regulation 9-10-502]	N	
Part 4	"NOx Box" development procedure [Basis: Regulation 9-10-502]	N	
Part 5	"NOx Box" parameters [Basis: Regulation 9-10-502]	N	
Part 6a	Allowed "NOx Box" deviations [Basis: Regulation 9-10-502]	N	
Part 6b	"NOx Box" deviation reporting requirement [Basis: Regulation 9-10-502]	N	
Part 7	NOx, CO, O2 source test requirement for sources without NOx CEMs [Basis: Regulation 9-10-502]	N	
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	N	
Part 10	Recordkeeping requirement [Basis: Regulation 9-10-504]	N	

IV. Source Specific Applicable Requirements

Table IV – A.3
Source-specific Applicable Requirements
S4 – 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 (7/17/06)**		
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	N	
9-10-301.1	...Start-up/Shutdown Contribution	N	
9-10-301.2	...Out-of-Service Units Contribution	N	
9-10-301.3	...Test-firing on Non-gaseous fuel Contribution	N	
9-10-303	Federal Facility-wide NOx emission rate limit	Y	
9-10-305	CO emission limit	N	
9-10-502	Monitoring	Y	
9-10-502.1	CEMS for NOx, CO, and O2, or equivalent monitoring	N	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	N	
9-10-504.1	Records	N	
9-10-505	Reporting	N	
9-10-601	Determination of NOx	N	
9-10-602	Determination of CO and Stack Gas O2	N	
9-10-603	Compliance Determination	Y	
40 CFR 60, Subpart A	**General Provisions (2/12/98)**		
60.7(b)	Records	Y	
60.7(c)	Notification and recordkeeping for continuous monitoring	Y	
60.7(d)	Summary reports	Y	
60.7(e)	Reduction of frequency of summary reports	Y	
60.7(f)	Records	Y	
60.7(g)	Alternative Notification	Y	
60.7(h)	Specific Provisions	Y	

IV. Source Specific Applicable Requirements

Table IV – A.3
Source-specific Applicable Requirements
S4 – UNIT 231, B-101 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.8	Performance Tests	Y	
60.11	Compliance with Standards and Maintenance Requirements	Y	
60.11(a)	Compliance determined by performance tests	Y	
60.11(d)	Control devices operated using good air pollution control practice	Y	
60.13	Monitoring requirements	Y	
60.13(a)	Continuous monitoring systems subject to Appendix B, and Appendix F, (if used to demonstrate compliance with continuous emission limits), of Part 60	Y	
60.13(b)	Continuous monitoring systems and devices operational prior to performance tests required by 60.8	Y	
60.13(d)(1)	Continuous monitoring system zero and span calibration requirements	Y	
60.13(e)	Continuous monitoring system minimum frequency of operation	Y	
60.13(e)(2)	Continuous monitoring system minimum frequency of operation for non-opacity-measuring devices	Y	
60.13(f)	Continuous monitoring system installation location requirement	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	**Performance Specifications**		

IV. Source Specific Applicable Requirements

Table IV – A.3
Source-specific Applicable Requirements
S4 – UNIT 231, B-101 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
40 CFR 60 Appendix B			
Performance Specification 7	H2S continuous emission monitoring systems	Y	
BAAQMD Condition 1694			
Part A.1b	Heat ratings, firing limits [Basis: Regulation 2-1-301]	Y	
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 S2, S3, S4, S5, S7 [Basis: Cumulative Increase]	Y	
Part F.3	Monthly fuel firing records [Basis: Recordkeeping]	Y	
BAAQMD Condition 21235			
Part 1	Sources subject to Regulation 9-10–301 and 9-10-305 [Basis: Regulation 9-10-301, 9-10-305]	N	
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	N	
Part 3	"NOx Box" requirement for sources without NOx CEMs [Basis: Regulation 9-10-502]	N	
Part 4	"NOx Box" development procedure [Basis: Regulation 9-10-502]	N	
Part 5	"NOx Box" parameters [Basis: Regulation 9-10-502]	N	
Part 6a	Allowed "NOx Box" deviations [Basis: Regulation 9-10-502]	N	
Part 6b	"NOx Box" deviation reporting requirement [Basis: Regulation 9-10-502]	N	
Part 7	NOx, CO, O2 source test requirement for sources without NOx CEMs [Basis: Regulation 9-10-502]	N	
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	N	
Part 10	Recordkeeping requirement [Basis: Regulation 9-10-504]	N	

IV. Source Specific Applicable Requirements

Table IV – A.4
Source-specific Applicable Requirements
S5 – 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 (7/17/06)**		
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	N	
9-10-301.1	...Start-up/Shutdown Contribution	N	
9-10-301.2	...Out-of-Service Units Contribution	N	
9-10-301.3	...Test-firing on Non-gaseous fuel Contribution	N	
9-10-303	Federal Facility-wide NOx emission rate limit	Y	
9-10-305	CO emission limit	N	
9-10-502	Monitoring	Y	
9-10-502.1	CEMS for NOx, CO, and O2, or equivalent monitoring	N	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	N	
9-10-504.1	Records	N	
9-10-505	Reporting	N	
9-10-601	Determination of NOx	N	
9-10-602	Determination of CO and Stack Gas O2	N	
9-10-603	Compliance Determination	Y	
40 CFR 60, Subpart A	**General Provisions (2/12/98)**		
60.7(b)	Records	Y	
60.7(c)	Notification and recordkeeping for continuous monitoring	Y	
60.7(d)	Summary reports	Y	
60.7(e)	Reduction of frequency of summary reports	Y	
60.7(f)	Records	Y	
60.7(g)	Alternative Notification	Y	

IV. Source Specific Applicable Requirements

Table IV – A.4
Source-specific Applicable Requirements
S5 – UNIT 231, B-102 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.7(h)	Specific Provisions	Y	
60.8	Performance Tests	Y	
60.11	Compliance with Standards and Maintenance Requirements	Y	
60.11(a)	Compliance determined by performance tests	Y	
60.11(d)	Control devices operated using good air pollution control practice	Y	
60.13	Monitoring requirements	Y	
60.13(a)	Continuous monitoring systems subject to Appendix B, and Appendix F, (if used to demonstrate compliance with continuous emission limits), of Part 60	Y	
60.13(b)	Continuous monitoring systems and devices operational prior to performance tests required by 60.8	Y	
60.13(d)(1)	Continuous monitoring system zero and span calibration requirements	Y	
60.13(e)	Continuous monitoring system minimum frequency of operation	Y	
60.13(e)(2)	Continuous monitoring system minimum frequency of operation for non-opacity-measuring devices	Y	
60.13(f)	Continuous monitoring system installation location requirement	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	

IV. Source Specific Applicable Requirements

Table IV – A.4
Source-specific Applicable Requirements
S5 – UNIT 231, B-102 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
NSPS 40 CFR 60 Appendix B	**Performance Specifications**		
Performance Specification 7	H2S continuous emission monitoring systems	Y	
BAAQMD Condition 1694			
Part A.1b	Heat ratings, firing limits [Basis: Regulation 2-1-301]	Y	
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 S2, S3, S4, S5, S7 [Basis: Cumulative Increase]	Y	
Part F.3	Monthly fuel firing records [Basis: Recordkeeping]	Y	
BAAQMD Condition 21235			
Part 1	Sources subject to Regulation 9-10–301 and 9-10-305 [Basis: Regulation 9-10-301, 9-10-305]	N	
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	N	
Part 3	"NOx Box" requirement for sources without NOx CEMs [Basis: Regulation 9-10-502]	N	
Part 4	"NOx Box" development procedure [Basis: Regulation 9-10-502]	N	
Part 5	"NOx Box" parameters [Basis: Regulation 9-10-502]	N	
Part 6a	Allowed "NOx Box" deviations [Basis: Regulation 9-10-502]	N	
Part 6b	"NOx Box" deviation reporting requirement [Basis: Regulation 9-10-502]	N	
Part 7	NOx, CO, O2 source test requirement for sources without NOx CEMs [Basis: Regulation 9-10-502]	N	
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	N	
Part 10	Recordkeeping requirement [Basis: Regulation 9-10-504]	N	

IV. Source Specific Applicable Requirements

Table IV – A.5
Source-specific Applicable Requirements
S7 – 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 (7/17/06)**		
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	N	
9-10-301	Emission Limit for Facility, NOx: 0.033 lb NOx/MMbtu	N	
9-10-301.1	...Start-up/Shutdown Contribution	N	
9-10-301.2	...Out-of-Service Units Contribution	N	
9-10-301.3	...Test-firing on Non-gaseous fuel Contribution	N	
9-10-303	Federal Facility-wide NOx emission rate limit	Y	
9-10-305	CO emission limit	N	
9-10-502	Monitoring	Y	
9-10-502.1	CEMS for NOx, CO, and O2, or equivalent monitoring	N	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	N	
9-10-504.1	Records	N	
9-10-505	Reporting	N	
9-10-601	Determination of NOx	N	
9-10-602	Determination of CO and Stack Gas O2	N	
9-10-603	Compliance Determination	Y	
40 CFR 60, Subpart A	**General Provisions (2/12/98)**		
60.7(b)	Records	Y	
60.7(c)	Notification and recordkeeping for continuous monitoring	Y	

IV. Source Specific Applicable Requirements

Table IV – A.5
Source-specific Applicable Requirements
S7 – UNIT 231, B-103 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.7(d)	Summary reports	Y	
60.7(e)	Reduction of frequency of summary reports	Y	
60.7(f)	Records	Y	
60.7(g)	Alternative Notification	Y	
60.7(h)	Specific Provisions	Y	
60.8	Performance Tests	Y	
60.11	Compliance with Standards and Maintenance Requirements	Y	
60.11(a)	Compliance determined by performance tests	Y	
60.11(d)	Control devices operated using good air pollution control practice	Y	
60.13	Monitoring requirements	Y	
60.13(a)	Continuous monitoring systems subject to Appendix B, and Appendix F, (if used to demonstrate compliance with continuous emission limits), of Part 60	Y	
60.13(b)	Continuous monitoring systems and devices operational prior to performance tests required by 60.8	Y	
60.13(d)(1)	Continuous monitoring system zero and span calibration requirements	Y	
60.13(e)	Continuous monitoring system minimum frequency of operation	Y	
60.13(e)(2)	Continuous monitoring system minimum frequency of operation for non-opacity-measuring devices	Y	
60.13(f)	Continuous monitoring system installation location requirement	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	

IV. Source Specific Applicable Requirements

Table IV – A.5
Source-specific Applicable Requirements
S7 – UNIT 231, B-103 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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	
BAAQMD Condition 1694			
Part A.1a	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	Y	
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 2-6-409.2]	Y	
Part A.2c	Visible emissions monitoring for liquid-fired sources [Basis: Regulation 2-6-409.2]	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 S2, S3, S4, S5, S7 [Basis: Cumulative Increase]	Y	
Part F.3	Monthly fuel firing records [Basis: Recordkeeping]	Y	
BAAQMD Condition 21235			
Part 1	Sources subject to Regulation 9-10–301 and 9-10-305 [Basis: Regulation 9-10-301, 9-10-305]	N	
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	N	
Part 3	"NOx Box" requirement for sources without NOx CEMs [Basis: Regulation 9-10-502]	N	
Part 4	"NOx Box" development procedure [Basis: Regulation 9-10-502]	N	

IV. Source Specific Applicable Requirements

Table IV – A.5
Source-specific Applicable Requirements
S7 – UNIT 231, B-103 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 5	"NOx Box" parameters [Basis: Regulation 9-10-502]	N	
Part 6a	Allowed "NOx Box" deviations [Basis: Regulation 9-10-502]	N	
Part 6b	"NOx Box" deviation reporting requirement [Basis: Regulation 9-10-502]	N	
Part 7	NOx, CO, O2 source test requirement for sources without NOx CEMs [Basis: Regulation 9-10-502]	N	
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	N	
Part 10	Recordkeeping requirement [Basis: Regulation 9-10-504]	N	

Table IV – A.6
Source-specific Applicable Requirements
S8 – 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 (7/17/06)**		
1-520	Continuous Emission Monitoring	Y	
1-520.1	NOx, O2 monitors for steam generators with capacity of 250 MMbtu/hr or more	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)**		

IV. Source Specific Applicable Requirements

Table IV – A.6
Source-specific Applicable Requirements
S8 – UNIT 240, B-1 BOILER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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)**	Y	
BAAQMD Regulation 9, Rule 10	**Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon Monoxide from Boilers, Steam Generators, and Process Heaters in Petroleum Refineries (7/17/02)**		
9-10-301	Emission Limit for Facility, NOx: 0.033 lb NOx/MMbtu	N	
9-10-301.1	...Start-up/Shutdown Contribution	N	
9-10-301.2	...Out-of-Service Units Contribution	N	
9-10-301.3	...Test-firing on Non-gaseous fuel Contribution	N	
9-10-303	Federal Facility-wide NOx emission rate limit	Y	
9-10-305	CO emission limit	N	
9-10-502	Monitoring	Y	
9-10-502.1	CEMS for NOx, CO, and O2 or equivalent monitoring	N	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	N	
9-10-504.1	Records	N	
9-10-505	Reporting	N	
9-10-601	Determination of NOx	N	
9-10-602	Determination of CO and Stack Gas O2	N	
9-10-603	Compliance Determination	Y	
40 CFR 60, Subpart A	**General Provisions (2/12/98)**		
60.7(b)	Records	Y	
60.7(c)	Notification and recordkeeping for continuous monitoring	Y	

IV. Source Specific Applicable Requirements

Table IV – A.6
Source-specific Applicable Requirements
S8 – UNIT 240, B-1 BOILER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.7(d)	Summary reports	Y	
60.7(e)	Reduction of frequency of summary reports	Y	
60.7(f)	Records	Y	
60.7(g)	Alternative Notification	Y	
60.7(h)	Specific Provisions	Y	
60.8	Performance Tests	Y	
60.11	Compliance with Standards and Maintenance Requirements	Y	
60.11(a)	Compliance determined by performance tests	Y	
60.11(d)	Control devices operated using good air pollution control practice	Y	
60.13	Monitoring requirements	Y	
60.13(a)	Continuous monitoring systems subject to Appendix B, and Appendix F, (if used to demonstrate compliance with continuous emission limits), of Part 60	Y	
60.13(b)	Continuous monitoring systems and devices operational prior to performance tests required by 60.8	Y	
60.13(d)(1)	Continuous monitoring system zero and span calibration requirements	Y	
60.13(e)	Continuous monitoring system minimum frequency of operation	Y	
60.13(e)(2)	Continuous monitoring system minimum frequency of operation for non-opacity-measuring devices	Y	
60.13(f)	Continuous monitoring system installation location requirement	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	

IV. Source Specific Applicable Requirements

Table IV – A.6
Source-specific Applicable Requirements
S8 – UNIT 240, B-1 BOILER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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	
BAAQMD Condition 1694			
Part A.1b	Heat ratings, firing limits [Basis: Regulation 2-1-301]	Y	
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 S8, S9, S10, S11, S12, S13, S14 [Basis: Cumulative Increase]	Y	
Part F.3	Monthly fuel firing records [Basis: Recordkeeping]	Y	
BAAQMD Condition 21235			
Part 1	Sources subject to Regulation 9-10–301 and 9-10-305 [Basis: Regulation 9-10-301, 9-10-305]	N	
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	N	
Part 8	CO source test requirement for sources with NOx CEMs [Basis: Regulation 9-10-502]	N	
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	N	
Part 10	Recordkeeping requirement [Basis: Regulation 9-10-504]	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.7
Source-specific Applicable Requirements
S9 – 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 (7/17/06)**		
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	N	
9-10-301.1	...Start-up/Shutdown Contribution	N	
9-10-301.2	...Out-of-Service Units Contribution	N	
9-10-301.3	...Test-firing on Non-gaseous fuel Contribution	N	
9-10-303	Federal Facility-wide NOx emission rate limit	Y	
9-10-305	CO emission limit	N	
9-10-502	Monitoring	Y	
9-10-502.1	CEMS for NOx, CO, and O2, or equivalent monitoring	N	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	N	
9-10-504.1	Records	N	
9-10-505	Reporting	N	
9-10-601	Determination of NOx	N	
9-10-602	Determination of CO and Stack Gas O2	N	
9-10-603	Compliance Determination	Y	
40 CFR 60, Subpart A	**General Provisions (2/12/98)**		
60.7(b)	Records	Y	
60.7(c)	Notification and recordkeeping for continuous monitoring	Y	
60.7(d)	Summary reports	Y	
60.7(e)	Reduction of frequency of summary reports	Y	
60.7(f)	Records	Y	

IV. Source Specific Applicable Requirements

Table IV – A.7
Source-specific Applicable Requirements
S9 – UNIT 240, B-2 BOILER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.7(g)	Alternative Notification	Y	
60.7(h)	Specific Provisions	Y	
60.8	Performance Tests	Y	
60.11	Compliance with Standards and Maintenance Requirements	Y	
60.11(a)	Compliance determined by performance tests	Y	
60.11(d)	Control devices operated using good air pollution control practice	Y	
60.13	Monitoring requirements	Y	
60.13(a)	Continuous monitoring systems subject to Appendix B, and Appendix F, (if used to demonstrate compliance with continuous emission limits), of Part 60	Y	
60.13(b)	Continuous monitoring systems and devices operational prior to performance tests required by 60.8	Y	
60.13(d)(1)	Continuous monitoring system zero and span calibration requirements	Y	
60.13(e)	Continuous monitoring system minimum frequency of operation	Y	
60.13(e)(2)	Continuous monitoring system minimum frequency of operation for non-opacity-measuring devices	Y	
60.13(f)	Continuous monitoring system installation location requirement	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 to Part 60 – Test Methods**	Y	

IV. Source Specific Applicable Requirements

Table IV – A.7
Source-specific Applicable Requirements
S9 – UNIT 240, B-2 BOILER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Appendix A			
NSPS 40 CFR 60 Appendix B	**Performance Specifications**		
Performance Specification 7	H2S continuous emission monitoring systems	Y	
BAAQMD Condition 1694			
Part A.1b	Heat ratings, firing limits [Basis: Regulation 2-1-301]	Y	
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 S8, S9, S10, S11, S12, S13, S14 [Basis: Cumulative Increase]	Y	
Part F.3	Monthly fuel firing records [Basis: Recordkeeping]	Y	
BAAQMD Condition 21235			
Part 1	Sources subject to Regulation 9-10–301 and 9-10-305 [Basis: Regulation 9-10-301, 9-10-305]	N	
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	N	
Part 3	"NOx Box" requirement for sources without NOx CEMs [Basis: Regulation 9-10-502]	N	
Part 4	"NOx Box" development procedure [Basis: Regulation 9-10-502]	N	
Part 5	"NOx Box" parameters [Basis: Regulation 9-10-502]	N	
Part 6a	Allowed "NOx Box" deviations [Basis: Regulation 9-10-502]	N	
Part 6b	"NOx Box" deviation reporting requirement [Basis: Regulation 9-10-502]	N	
Part 7	NOx, CO, O2 source test requirement for sources without NOx CEMs [Basis: Regulation 9-10-502]	N	
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	N	

IV. Source Specific Applicable Requirements

Table IV – A.7
Source-specific Applicable Requirements
S9 – UNIT 240, B-2 BOILER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 10	Recordkeeping requirement [Basis: Regulation 9-10-504]	N	

Table IV – A.8
Source-specific Applicable Requirements
S10 – 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 (7/17/06)**		
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,	**Continuous Emission Monitoring Policy and Procedures (1/20/82)**	Y	

IV. Source Specific Applicable Requirements

Table IV – A.8
Source-specific Applicable Requirements
S10 – UNIT 240, B-101 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	N	
9-10-301.1	...Start-up/Shutdown Contribution	N	
9-10-301.2	...Out-of-Service Units Contribution	N	
9-10-301.3	...Test-firing on Non-gaseous fuel Contribution	N	
9-10-303	Federal Facility-wide NOx emission rate limit	Y	
9-10-305	CO emission limit	N	
9-10-502	Monitoring	Y	
9-10-502.1	CEMS for NOx, CO, and O2 or equivalent monitoring	N	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	N	
9-10-504.1	Records	N	
9-10-505	Reporting	N	
9-10-601	Determination of NOx	N	
9-10-602	Determination of CO and Stack Gas O2	N	
9-10-603	Compliance Determination	Y	
40 CFR 60, Subpart A	**General Provisions (2/12/98)**		
60.7(b)	Records	Y	
60.7(c)	Notification and recordkeeping for continuous monitoring	Y	
60.7(d)	Summary reports	Y	
60.7(e)	Reduction of frequency of summary reports	Y	
60.7(f)	Records	Y	
60.7(g)	Alternative Notification	Y	
60.7(h)	Specific Provisions	Y	
60.8	Performance Tests	Y	
60.11	Compliance with Standards and Maintenance Requirements	Y	
60.11(a)	Compliance determined by performance tests	Y	
60.11(d)	Control devices operated using good air pollution control practice	Y	
60.13	Monitoring requirements	Y	
60.13(a)	Continuous monitoring systems subject to Appendix B, and Appendix	Y	

IV. Source Specific Applicable Requirements

Table IV – A.8
Source-specific Applicable Requirements
S10 – UNIT 240, B-101 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	F, (if used to demonstrate compliance with continuous emission limits), of Part 60		
60.13(b)	Continuous monitoring systems and devices operational prior to performance tests required by 60.8	Y	
60.13(d)(1)	Continuous monitoring system zero and span calibration requirements	Y	
60.13(e)	Continuous monitoring system minimum frequency of operation	Y	
60.13(e)(2)	Continuous monitoring system minimum frequency of operation for non-opacity-measuring devices	Y	
60.13(f)	Continuous monitoring system installation location requirement	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	
BAAQMD Condition			

IV. Source Specific Applicable Requirements

Table IV – A.8
Source-specific Applicable Requirements
S10 – UNIT 240, B-101 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
1694			
Part A.1b	Heat ratings, firing limits [Basis: Regulation 2-1-301]	Y	
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 S8, S9, S10, S11, S12, S13, S14 [Basis: Cumulative Increase]	Y	
Part F.3	Monthly fuel firing records [Basis: Recordkeeping]	Y	
BAAQMD Condition 21235			
Part 1	Sources subject to Regulation 9-10–301 and 9-10-305 [Basis: Regulation 9-10-301, 9-10-305]	N	
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	N	
Part 8	CO source test requirement for sources with NOx CEMs [Basis: Regulation 9-10-502]	N	
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	N	
Part 10	Recordkeeping requirement [Basis: Regulation 9-10-504]	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.

Table IV – A.9
Source-specific Applicable Requirements
S11 – 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 (7/17/06)**		
1-521	Monitoring May Be Required	Y	

IV. Source Specific Applicable Requirements

Table IV – A.9
Source-specific Applicable Requirements
S11 – UNIT 240, B-201 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann #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	N	
9-10-301.1	...Start-up/Shutdown Contribution	N	
9-10-301.2	...Out-of-Service Units Contribution	N	
9-10-301.3	...Test-firing on Non-gaseous fuel Contribution	N	
9-10-303	Federal Facility-wide NOx emission rate limit	Y	
9-10-305	CO emission limit	N	
9-10-502	Monitoring	Y	
9-10-502.1	CEMS for NOx, CO, and O2, or equivalent monitoring	N	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	N	
9-10-504.1	Records	N	
9-10-505	Reporting	N	
9-10-601	Determination of NOx	N	
9-10-602	Determination of CO and Stack Gas O2	N	
9-10-603	Compliance Determination	Y	
40 CFR 60, Subpart A	**General Provisions (2/12/98)**		
60.7(b)	Records	Y	
60.7(c)	Notification and recordkeeping for continuous monitoring	Y	
60.7(d)	Summary reports	Y	
60.7(e)	Reduction of frequency of summary reports	Y	
60.7(f)	Records	Y	
60.7(g)	Alternative Notification	Y	
60.7(h)	Specific Provisions	Y	
60.8	Performance Tests	Y	
60.11	Compliance with Standards and Maintenance Requirements	Y	

IV. Source Specific Applicable Requirements

Table IV – A.9
Source-specific Applicable Requirements
S11 – UNIT 240, B-201 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.11(a)	Compliance determined by performance tests	Y	
60.11(d)	Control devices operated using good air pollution control practice	Y	
60.13	Monitoring requirements	Y	
60.13(a)	Continuous monitoring systems subject to Appendix B, and Appendix F, (if used to demonstrate compliance with continuous emission limits), of Part 60	Y	
60.13(b)	Continuous monitoring systems and devices operational prior to performance tests required by 60.8	Y	
60.13(d)(1)	Continuous monitoring system zero and span calibration requirements	Y	
60.13(e)	Continuous monitoring system minimum frequency of operation	Y	
60.13(e)(2)	Continuous monitoring system minimum frequency of operation for non-opacity-measuring devices	Y	
60.13(f)	Continuous monitoring system installation location requirement	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**		

IV. Source Specific Applicable Requirements

Table IV – A.9
Source-specific Applicable Requirements
S11 – UNIT 240, B-201 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Performance Specification 7	H2S continuous emission monitoring systems	Y	
BAAQMD Condition 1694			
Part A.1b	Heat ratings, firing limits [Basis: Regulation 2-1-301]	Y	
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 S8, S9, S10, S11, S12, S13, S14 [Basis: Cumulative Increase]	Y	
Part F.3	Monthly fuel firing records [Basis: Recordkeeping]	Y	
BAAQMD Condition 21235			
Part 1	Sources subject to Regulation 9-10–301 and 9-10-305 [Basis: Regulation 9-10-301, 9-10-305]	N	
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	N	
Part 3	"NOx Box" requirement for sources without NOx CEMs [Basis: Regulation 9-10-502]	N	
Part 4	"NOx Box" development procedure [Basis: Regulation 9-10-502]	N	
Part 5	"NOx Box" parameters [Basis: Regulation 9-10-502]	N	
Part 6a	Allowed "NOx Box" deviations [Basis: Regulation 9-10-502]	N	
Part 6b	"NOx Box" deviation reporting requirement [Basis: Regulation 9-10-502]	N	
Part 7	NOx, CO, O2 source test requirement for sources without NOx CEMs [Basis: Regulation 9-10-502]	N	
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	N	
Part 10	Recordkeeping requirement [Basis: Regulation 9-10-504]	N	

IV. Source Specific Applicable Requirements

Table IV – A.10
Source-specific Applicable Requirements
S12 – 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 (7/17/06)**		
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	N	
9-10-301.1	...Start-up/Shutdown Contribution	N	
9-10-301.2	...Out-of-Service Units Contribution	N	
9-10-301.3	...Test-firing on Non-gaseous fuel Contribution	N	
9-10-303	Federal Facility-wide NOx emission rate limit	Y	
9-10-305	CO emission limit	N	
9-10-502	Monitoring	Y	
9-10-502.1	CEMS for NOx, CO, and O2, or equivalent monitoring	N	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	N	
9-10-504.1	Records	N	
9-10-505	Reporting	N	
9-10-601	Determination of NOx	N	
9-10-602	Determination of CO and Stack Gas O2	N	
9-10-603	Compliance Determination	Y	
40 CFR 60, Subpart A	**General Provisions (2/12/98)**		
60.7(b)	Records	Y	
60.7(c)	Notification and recordkeeping for continuous monitoring	Y	
60.7(d)	Summary reports	Y	
60.7(e)	Reduction of frequency of summary reports	Y	
60.7(f)	Records	Y	
60.7(g)	Alternative Notification	Y	

IV. Source Specific Applicable Requirements

Table IV – A.10
Source-specific Applicable Requirements
S12 – UNIT 240, B-202 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.7(h)	Specific Provisions	Y	
60.8	Performance Tests	Y	
60.11	Compliance with Standards and Maintenance Requirements	Y	
60.11(a)	Compliance determined by performance tests	Y	
60.11(d)	Control devices operated using good air pollution control practice	Y	
60.13	Monitoring requirements	Y	
60.13(a)	Continuous monitoring systems subject to Appendix B, and Appendix F, (if used to demonstrate compliance with continuous emission limits), of Part 60	Y	
60.13(b)	Continuous monitoring systems and devices operational prior to performance tests required by 60.8	Y	
60.13(d)(1)	Continuous monitoring system zero and span calibration requirements	Y	
60.13(e)	Continuous monitoring system minimum frequency of operation	Y	
60.13(e)(2)	Continuous monitoring system minimum frequency of operation for non-opacity-measuring devices	Y	
60.13(f)	Continuous monitoring system installation location requirement	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	

IV. Source Specific Applicable Requirements

Table IV – A.10
Source-specific Applicable Requirements
S12 – UNIT 240, B-202 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
NSPS 40 CFR 60 Appendix B	**Performance Specifications**		
Performance Specification 7	H2S continuous emission monitoring systems	Y	
BAAQMD Condition 1694			
Part A.1b	Heat ratings, firing limits [Basis: Regulation 2-1-301]	Y	
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 S8, S9, S10, S11, S12, S13, S14 [Basis: Cumulative Increase]	Y	
Part F.3	Monthly fuel firing records [Basis: Recordkeeping]	Y	
BAAQMD Condition 21235			
Part 1	Sources subject to Regulation 9-10–301 and 9-10-305 [Basis: Regulation 9-10-301, 9-10-305]	N	
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	N	
Part 3	"NOx Box" requirement for sources without NOx CEMs [Basis: Regulation 9-10-502]	N	
Part 4	"NOx Box" development procedure [Basis: Regulation 9-10-502]	N	
Part 5	"NOx Box" parameters [Basis: Regulation 9-10-502]	N	
Part 6a	Allowed "NOx Box" deviations [Basis: Regulation 9-10-502]	N	
Part 6b	"NOx Box" deviation reporting requirement [Basis: Regulation 9-10-502]	N	
Part 7	NOx, CO, O2 source test requirement for sources without NOx CEMs [Basis: Regulation 9-10-502]	N	
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	N	
Part 10	Recordkeeping requirement [Basis: Regulation 9-10-504]	N	

IV. Source Specific Applicable Requirements

Table IV – A.11
Source-specific Applicable Requirements
S13 – 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 (7/17/06)**		
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)**	Y	
BAAQMD Regulation 9, Rule 10	**Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon Monoxide from Boilers, Steam Generators, and Process Heaters in Petroleum Refineries (7/17/02)**		
9-10-301	Emission Limit for Facility, NOx: 0.033 lb NOx/MMbtu	N	
9-10-301.1	...Start-up/Shutdown Contribution	N	
9-10-301.2	...Out-of-Service Units Contribution	N	

IV. Source Specific Applicable Requirements

Table IV – A.11
Source-specific Applicable Requirements
S13 – UNIT 240, B-301 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
9-10-301.3	...Test-firing on Non-gaseous fuel Contribution	N	
9-10-303	Federal Facility-wide NOx emission rate limit	Y	
9-10-305	CO emission limit	N	
9-10-502	Monitoring	Y	
9-10-502.1	CEMS for NOx, CO, and O2 or equivalent monitoring	N	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	N	
9-10-504.1	Records	N	
9-10-505	Reporting	N	
9-10-601	Determination of NOx	N	
9-10-602	Determination of CO and Stack Gas O2	N	
9-10-603	Compliance Determination	Y	
40 CFR 60, Subpart A	**General Provisions (2/12/98)**		
60.7(b)	Records	Y	
60.7(c)	Notification and recordkeeping for continuous monitoring	Y	
60.7(d)	Summary reports	Y	
60.7(e)	Reduction of frequency of summary reports	Y	
60.7(f)	Records	Y	
60.7(g)	Alternative Notification	Y	
60.7(h)	Specific Provisions	Y	
60.8	Performance Tests	Y	
60.11	Compliance with Standards and Maintenance Requirements	Y	
60.11(a)	Compliance determined by performance tests	Y	
60.11(d)	Control devices operated using good air pollution control practice	Y	
60.13	Monitoring requirements	Y	
60.13(a)	Continuous monitoring systems subject to Appendix B, and Appendix F, (if used to demonstrate compliance with continuous emission limits), of Part 60	Y	
60.13(b)	Continuous monitoring systems and devices operational prior to performance tests required by 60.8	Y	
60.13(d)(1)	Continuous monitoring system zero and span calibration requirements	Y	
60.13(e)	Continuous monitoring system minimum frequency of operation	Y	
60.13(e)(2)	Continuous monitoring system minimum frequency of operation for non-opacity-measuring devices	Y	

IV. Source Specific Applicable Requirements

Table IV – A.11
Source-specific Applicable Requirements
S13 – UNIT 240, B-301 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.13(f)	Continuous monitoring system installation location requirement	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	
BAAQMD Condition 1694			
Part A.1b	Heat ratings, firing limits [Basis: Regulation 2-1-301]	Y	
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.11
Source-specific Applicable Requirements
S13 – UNIT 240, B-301 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part F.1	Annual fuel firing limit at S8, S9, S10, S11, S12, S13, S14 [Basis: Cumulative Increase]	Y	
Part F.3	Monthly fuel firing records [Basis: Recordkeeping]	Y	
BAAQMD Condition 21235			
Part 1	Sources subject to Regulation 9-10–301 and 9-10-305 [Basis: Regulation 9-10-301, 9-10-305]	N	
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	N	
Part 8	CO source test requirement for sources with NOx CEMs [Basis: Regulation 9-10-502]	N	
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	N	
Part 10	Recordkeeping requirement [Basis: Regulation 9-10-504]	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.12
Source-specific Applicable Requirements
S14 – 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 (7/17/06)**		
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)**	Y	
BAAQMD Regulation 9, Rule 10	**Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon Monoxide from Boilers, Steam Generators, and Process Heaters in Petroleum Refineries (7/17/02)**		
9-10-301	Emission Limit for Facility, NOx: 0.033 lb NOx/MMbtu	N	
9-10-301.1	...Start-up/Shutdown Contribution	N	
9-10-301.2	...Out-of-Service Units Contribution	N	
9-10-301.3	...Test-firing on Non-gaseous fuel Contribution	N	

IV. Source Specific Applicable Requirements

Table IV – A.12
Source-specific Applicable Requirements
S14 – UNIT 240, B-401 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
9-10-303	Federal Facility-wide NOx emission rate limit	Y	
9-10-305	CO emission limit	N	
9-10-502	Monitoring	Y	
9-10-502.1	CEMS for NOx, CO, and O2 or equivalent monitoring	N	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	N	
9-10-504.1	Records	N	
9-10-505	Reporting	N	
9-10-601	Determination of NOx	N	
9-10-602	Determination of CO and Stack Gas O2	N	
9-10-603	Compliance Determination	Y	
40 CFR 60, Subpart A	**General Provisions (2/12/98)**		
60.7(b)	Records	Y	
60.7(c)	Notification and recordkeeping for continuous monitoring	Y	
60.7(d)	Summary reports	Y	
60.7(e)	Reduction of frequency of summary reports	Y	
60.7(f)	Records	Y	
60.7(g)	Alternative Notification	Y	
60.7(h)	Specific Provisions	Y	
60.8	Performance Tests	Y	
60.11	Compliance with Standards and Maintenance Requirements	Y	
60.11(a)	Compliance determined by performance tests	Y	
60.11(d)	Control devices operated using good air pollution control practice	Y	
60.13	Monitoring requirements	Y	
60.13(a)	Continuous monitoring systems subject to Appendix B, and Appendix F, (if used to demonstrate compliance with continuous emission limits), of Part 60	Y	
60.13(b)	Continuous monitoring systems and devices operational prior to performance tests required by 60.8	Y	
60.13(d)(1)	Continuous monitoring system zero and span calibration requirements	Y	
60.13(e)	Continuous monitoring system minimum frequency of operation	Y	
60.13(e)(2)	Continuous monitoring system minimum frequency of operation for non-opacity-measuring devices	Y	
60.13(f)	Continuous monitoring system installation location requirement	Y	

IV. Source Specific Applicable Requirements

Table IV – A.12
Source-specific Applicable Requirements
S14 – UNIT 240, B-401 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	
BAAQMD Condition 1694			
Part A.1b	Heat ratings, firing limits [Basis: Regulation 2-1-301]	Y	
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 S8, S9, S10, S11, S12, S13, S14 [Basis:	Y	

IV. Source Specific Applicable Requirements

Table IV – A.12
Source-specific Applicable Requirements
S14 – UNIT 240, B-401 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	Cumulative Increase]		
Part F.3	Monthly fuel firing records [Basis: Recordkeeping]	Y	
BAAQMD Condition 21235			
Part 1	Sources subject to Regulation 9-10–301 and 9-10-305 [Basis: Regulation 9-10-301, 9-10-305]	N	
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	N	
Part 8	CO source test requirement for sources with NOx CEMs [Basis: Regulation 9-10-502]	N	
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	N	
Part 10	Recordkeeping requirement [Basis: Regulation 9-10-504]	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.

Table IV – A.13
Source-specific Applicable Requirements
S15 – 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 (7/17/06)**		
1-107	Combination of Emissions	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	Y	

IV. Source Specific Applicable Requirements

Table IV – A.13
Source-specific Applicable Requirements
S15 – UNIT 244, B-501 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	District		
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 Manual of Procedures, Volume V	**Continuous Emission Monitoring Policy and Procedures (1/20/82)**	Y	
BAAQMD Regulation 9, Rule 10	**Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon Monoxide from Boilers, Steam Generators, and Process Heaters in Petroleum Refineries (7/17/02)**		
9-10-301	Emission Limit for Facility, NOx: 0.033 lb NOx/MMbtu	N	
9-10-301.1	...Start-up/Shutdown Contribution	N	
9-10-301.2	...Out-of-Service Units Contribution	N	
9-10-301.3	...Test-firing on Non-gaseous fuel Contribution	N	
9-10-303	Federal Facility-wide NOx emission rate limit	Y	
9-10-305	CO emission limit	N	
9-10-502	Monitoring	Y	
9-10-502.1	CEMS for NOx, CO, and O2, or equivalent monitoring	N	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	N	
9-10-504.1	Records	N	
9-10-505	Reporting	N	
9-10-601	Determination of NOx	N	
9-10-602	Determination of CO and Stack Gas O2	N	
9-10-603	Compliance Determination	Y	
40 CFR 60,	**General Provisions (2/12/98)**		

IV. Source Specific Applicable Requirements

Table IV – A.13
Source-specific Applicable Requirements
S15 – UNIT 244, B-501 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Subpart A			
60.7(b)	Records	Y	
60.7(c)	Notification and recordkeeping for continuous monitoring	Y	
60.7(d)	Summary reports	Y	
60.7(e)	Reduction of frequency of summary reports	Y	
60.7(f)	Records	Y	
60.7(g)	Alternative Notification	Y	
60.7(h)	Specific Provisions	Y	
60.8	Performance Tests	Y	
60.11	Compliance with Standards and Maintenance Requirements	Y	
60.11(a)	Compliance determined by performance tests	Y	
60.11(d)	Control devices operated using good air pollution control practice	Y	
60.13	Monitoring requirements	Y	
60.13(a)	Continuous monitoring systems subject to Appendix B, and Appendix F, (if used to demonstrate compliance with continuous emission limits), of Part 60	Y	
60.13(b)	Continuous monitoring systems and devices operational prior to performance tests required by 60.8	Y	
60.13(d)(1)	Continuous monitoring system zero and span calibration requirements	Y	
60.13(e)	Continuous monitoring system minimum frequency of operation	Y	
60.13(e)(2)	Continuous monitoring system minimum frequency of operation for non-opacity-measuring devices	Y	
60.13(f)	Continuous monitoring system installation location requirement	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.13
Source-specific Applicable Requirements
S15 – UNIT 244, B-501 HEATER

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	
BAAQMD Condition 1694			
Part A.1b	Heat ratings, firing limits [Basis: Regulation 2-1-301]	Y	
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 S15, S16, S17, S18 and S19 [Basis: 2-1-234.3]	Y	
BAAQMD Condition 21235			
Part 1	Sources subject to Regulation 9-10–301 and 9-10-305 [Basis: Regulation 9-10-301, 9-10-305]	N	
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	N	
Part 8	CO source test requirement for sources with NOx CEMs [Basis: Regulation 9-10-502]	N	
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	N	
Part 10	Recordkeeping requirement [Basis: Regulation 9-10-504]	N	

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.14
Source-specific Applicable Requirements
S16 – 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 (7/17/06)**		
1-107	Combination of Emissions	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	
6-305	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)**	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.14
Source-specific Applicable Requirements
S16 – UNIT 244, B-502 HEATER

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	N	
9-10-301.1	...Start-up/Shutdown Contribution	N	
9-10-301.2	...Out-of-Service Units Contribution	N	
9-10-301.3	...Test-firing on Non-gaseous fuel Contribution	N	
9-10-303	Federal Facility-wide NOx emission rate limit	Y	
9-10-305	CO emission limit	N	
9-10-502	Monitoring	Y	
9-10-502.1	CEMS for NOx, CO, and O2, or equivalent monitoring	N	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	N	
9-10-504.1	Records	N	
9-10-505	Reporting	N	
9-10-601	Determination of NOx	N	
9-10-602	Determination of CO and Stack Gas O2	N	
9-10-603	Compliance Determination	Y	
40 CFR 60, Subpart A	**General Provisions (2/12/98)**		
60.7(b)	Records	Y	
60.7(c)	Notification and recordkeeping for continuous monitoring	Y	
60.7(d)	Summary reports	Y	
60.7(e)	Reduction of frequency of summary reports	Y	
60.7(f)	Records	Y	
60.7(g)	Alternative Notification	Y	
60.7(h)	Specific Provisions	Y	
60.8	Performance Tests	Y	
60.11	Compliance with Standards and Maintenance Requirements	Y	
60.11(a)	Compliance determined by performance tests	Y	
60.11(d)	Control devices operated using good air pollution control practice	Y	
60.13	Monitoring requirements	Y	
60.13(a)	Continuous monitoring systems subject to Appendix B, and Appendix F, (if used to demonstrate compliance with continuous emission limits), of Part 60	Y	
60.13(b)	Continuous monitoring systems and devices operational prior to performance tests required by 60.8	Y	

IV. Source Specific Applicable Requirements

Table IV – A.14
Source-specific Applicable Requirements
S16 – UNIT 244, B-502 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.13(d)(1)	Continuous monitoring system zero and span calibration requirements	Y	
60.13(e)	Continuous monitoring system minimum frequency of operation	Y	
60.13(e)(2)	Continuous monitoring system minimum frequency of operation for non-opacity-measuring devices	Y	
60.13(f)	Continuous monitoring system installation location requirement	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	
BAAQMD Condition 1694			
Part A.1b	Heat ratings, firing limits [Basis: Regulation 2-1-301]	Y	
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.14
Source-specific Applicable Requirements
S16 – UNIT 244, B-502 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	
BAAQMD Condition 20989, Part A	Throughput limits for S15, S16, S17, S18 and S19 [Basis: 2-1-234.3]	Y	
BAAQMD Condition 21235			
Part 1	Sources subject to Regulation 9-10–301 and 9-10-305 [Basis: Regulation 9-10-301, 9-10-305]	N	
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	N	
Part 8	CO source test requirement for sources with NOx CEMs [Basis: Regulation 9-10-502]	N	
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	N	
Part 10	Recordkeeping requirement [Basis: Regulation 9-10-504]	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.

Table IV – A.15
Source-specific Applicable Requirements
S17 – 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 (7/17/06)**		
1-107	Combination of Emissions	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	

IV. Source Specific Applicable Requirements

Table IV – A.15
Source-specific Applicable Requirements
S17 – UNIT 244, B-503 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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 Manual of Procedures, Volume V	**Continuous Emission Monitoring Policy and Procedures (1/20/82)**	Y	
BAAQMD Regulation 9, Rule 10	**Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon Monoxide from Boilers, Steam Generators, and Process Heaters in Petroleum Refineries (7/17/02)**		
9-10-301	Emission Limit for Facility, NOx: 0.033 lb NOx/MMbtu	N	
9-10-301.1	...Start-up/Shutdown Contribution	N	
9-10-301.2	...Out-of-Service Units Contribution	N	
9-10-301.3	...Test-firing on Non-gaseous fuel Contribution	N	
9-10-303	Federal Facility-wide NOx emission rate limit	Y	
9-10-305	CO emission limit	N	
9-10-502	Monitoring	Y	
9-10-502.1	CEMS for NOx, CO, and O2, or equivalent monitoring	N	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	N	
9-10-504.1	Records	N	

IV. Source Specific Applicable Requirements

Table IV – A.15
Source-specific Applicable Requirements
S17 – UNIT 244, B-503 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
9-10-505	Reporting	N	
9-10-601	Determination of NOx	N	
9-10-602	Determination of CO and Stack Gas O2	N	
9-10-603	Compliance Determination	Y	
40 CFR 60, Subpart A	**General Provisions (2/12/98)**		
60.7(b)	Records	Y	
60.7(c)	Notification and recordkeeping for continuous monitoring	Y	
60.7(d)	Summary reports	Y	
60.7(e)	Reduction of frequency of summary reports	Y	
60.7(f)	Records	Y	
60.7(g)	Alternative Notification	Y	
60.7(h)	Specific Provisions	Y	
60.8	Performance Tests	Y	
60.11	Compliance with Standards and Maintenance Requirements	Y	
60.11(a)	Compliance determined by performance tests	Y	
60.11(d)	Control devices operated using good air pollution control practice	Y	
60.13	Monitoring requirements	Y	
60.13(a)	Continuous monitoring systems subject to Appendix B, and Appendix F, (if used to demonstrate compliance with continuous emission limits), of Part 60	Y	
60.13(b)	Continuous monitoring systems and devices operational prior to performance tests required by 60.8	Y	
60.13(d)(1)	Continuous monitoring system zero and span calibration requirements	Y	
60.13(e)	Continuous monitoring system minimum frequency of operation	Y	
60.13(e)(2)	Continuous monitoring system minimum frequency of operation for non-opacity-measuring devices	Y	
60.13(f)	Continuous monitoring system installation location requirement	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	Y	

IV. Source Specific Applicable Requirements

Table IV – A.15
Source-specific Applicable Requirements
S17 – UNIT 244, B-503 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	flares from relief valve leaks or other emergency malfunctions		
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	
BAAQMD Condition 1694			
Part A.1b	Heat ratings, firing limits [Basis: Regulation 2-1-301]	Y	
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 S15, S16, S17, S18 and S19 [Basis: 2-1-234.3]	Y	
BAAQMD Condition 21235			
Part 1	Sources subject to Regulation 9-10–301 and 9-10-305 [Basis: Regulation 9-10-301, 9-10-305]	N	

IV. Source Specific Applicable Requirements

Table IV – A.15
Source-specific Applicable Requirements
S17 – UNIT 244, B-503 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	N	
Part 8	CO source test requirement for sources with NOx CEMs [Basis: Regulation 9-10-502]	N	
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	N	
Part 10	Recordkeeping requirement [Basis: Regulation 9-10-504]	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.

Table IV – A.16
Source-specific Applicable Requirements
S18 – 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 (7/17/06)**		
1-107	Combination of Emissions	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	**Particulate Matter and Visible Emissions (12/19/90)**		

IV. Source Specific Applicable Requirements

Table IV – A.16
Source-specific Applicable Requirements
S18 – UNIT 244, B-504 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Regulation 6			
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)**	Y	
BAAQMD Regulation 9, Rule 10	**Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon Monoxide from Boilers, Steam Generators, and Process Heaters in Petroleum Refineries (7/17/02)**		
9-10-301	Emission Limit for Facility, NOx: 0.033 lb NOx/MMbtu	N	
9-10-301.1	...Start-up/Shutdown Contribution	N	
9-10-301.2	...Out-of-Service Units Contribution	N	
9-10-301.3	...Test-firing on Non-gaseous fuel Contribution	N	
9-10-303	Federal Facility-wide NOx emission rate limit	Y	
9-10-305	CO emission limit	N	
9-10-502	Monitoring	Y	
9-10-502.1	CEMS for NOx, CO, and O2, or equivalent monitoring	N	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	N	
9-10-504.1	Records	N	
9-10-505	Reporting	N	
9-10-601	Determination of NOx	N	
9-10-602	Determination of CO and Stack Gas O2	N	
9-10-603	Compliance Determination	Y	
40 CFR 60, Subpart A	**General Provisions (2/12/98)**		
60.7(b)	Records	Y	
60.7(c)	Notification and recordkeeping for continuous monitoring	Y	
60.7(d)	Summary reports	Y	
60.7(e)	Reduction of frequency of summary reports	Y	
60.7(f)	Records	Y	
60.7(g)	Alternative Notification	Y	

IV. Source Specific Applicable Requirements

Table IV – A.16
Source-specific Applicable Requirements
S18 – UNIT 244, B-504 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.7(h)	Specific Provisions	Y	
60.8	Performance Tests	Y	
60.11	Compliance with Standards and Maintenance Requirements	Y	
60.11(a)	Compliance determined by performance tests	Y	
60.11(d)	Control devices operated using good air pollution control practice	Y	
60.13	Monitoring requirements	Y	
60.13(a)	Continuous monitoring systems subject to Appendix B, and Appendix F, (if used to demonstrate compliance with continuous emission limits), of Part 60	Y	
60.13(b)	Continuous monitoring systems and devices operational prior to performance tests required by 60.8	Y	
60.13(d)(1)	Continuous monitoring system zero and span calibration requirements	Y	
60.13(e)	Continuous monitoring system minimum frequency of operation	Y	
60.13(e)(2)	Continuous monitoring system minimum frequency of operation for non-opacity-measuring devices	Y	
60.13(f)	Continuous monitoring system installation location requirement	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	

IV. Source Specific Applicable Requirements

Table IV – A.16
Source-specific Applicable Requirements
S18 – UNIT 244, B-504 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
NSPS 40 CFR 60 Appendix B	**Performance Specifications**		
Performance Specification 7	H2S continuous emission monitoring systems	Y	
BAAQMD Condition 1694			
Part A.1b	Heat ratings, firing limits [Basis: Regulation 2-1-301]	Y	
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 S15, S16, S17, S18 and S19 [Basis: 2-1-234.3]	Y	
BAAQMD Condition 21235			
Part 1	Sources subject to Regulation 9-10–301 and 9-10-305 [Basis: Regulation 9-10-301, 9-10-305]	N	
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	N	
Part 8	CO source test requirement for sources with NOx CEMs [Basis: Regulation 9-10-502]	N	
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	N	
Part 10	Recordkeeping requirement [Basis: Regulation 9-10-504]	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.17
Source-specific Applicable Requirements
S19 – 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 (7/17/06)**		
1-107	Combination of Emissions	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	
6-305	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)**	Y	
BAAQMD Regulation 9, Rule 10	**Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon Monoxide from Boilers, Steam Generators, and Process Heaters in Petroleum Refineries (7/17/02)**		
9-10-301	Emission Limit for Facility, NOx: 0.033 lb NOx/MMbtu	N	
9-10-301.1	...Start-up/Shutdown Contribution	N	
9-10-301.2	...Out-of-Service Units Contribution	N	
9-10-301.3	...Test-firing on Non-gaseous fuel Contribution	N	

IV. Source Specific Applicable Requirements

Table IV – A.17
Source-specific Applicable Requirements
S19 – UNIT 244, B-505 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
9-10-303	Federal Facility-wide NOx emission rate limit	Y	
9-10-305	CO emission limit	N	
9-10-502	Monitoring	Y	
9-10-502.1	CEMS for NOx, CO, and O2, or equivalent monitoring	N	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	N	
9-10-504.1	Records	N	
9-10-505	Reporting	N	
9-10-601	Determination of NOx	N	
9-10-602	Determination of CO and Stack Gas O2	N	
9-10-603	Compliance Determination	Y	
40 CFR 60, Subpart A	**General Provisions (2/12/98)**		
60.7(b)	Records	Y	
60.7(c)	Notification and recordkeeping for continuous monitoring	Y	
60.7(d)	Summary reports	Y	
60.7(e)	Reduction of frequency of summary reports	Y	
60.7(f)	Records	Y	
60.7(g)	Alternative Notification	Y	
60.7(h)	Specific Provisions	Y	
60.8	Performance Tests	Y	
60.11	Compliance with Standards and Maintenance Requirements	Y	
60.11(a)	Compliance determined by performance tests	Y	
60.11(d)	Control devices operated using good air pollution control practice	Y	
60.13	Monitoring requirements	Y	
60.13(a)	Continuous monitoring systems subject to Appendix B, and Appendix F, (if used to demonstrate compliance with continuous emission limits), of Part 60	Y	
60.13(b)	Continuous monitoring systems and devices operational prior to performance tests required by 60.8	Y	
60.13(d)(1)	Continuous monitoring system zero and span calibration requirements	Y	
60.13(e)	Continuous monitoring system minimum frequency of operation	Y	
60.13(e)(2)	Continuous monitoring system minimum frequency of operation for non-opacity-measuring devices	Y	
60.13(f)	Continuous monitoring system installation location requirement	Y	

IV. Source Specific Applicable Requirements

Table IV – A.17
Source-specific Applicable Requirements
S19 – UNIT 244, B-505 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	
BAAQMD Condition 1694			
Part A.1b	Heat ratings, firing limits [Basis: Regulation 2-1-301]	Y	
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 S15, S16, S17, S18 and S19 [Basis: 2-1-	Y	

IV. Source Specific Applicable Requirements

Table IV – A.17
Source-specific Applicable Requirements
S19 – UNIT 244, B-505 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Condition 20989, Part A	234.3]		
BAAQMD Condition 21235			
Part 1	Sources subject to Regulation 9-10–301 and 9-10-305 [Basis: Regulation 9-10-301, 9-10-305]	N	
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	N	
Part 8	CO source test requirement for sources with NOx CEMs [Basis: Regulation 9-10-502]	N	
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	N	
Part 10	Recordkeeping requirement [Basis: Regulation 9-10-504]	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.

Table IV – A.18
Source-specific Applicable Requirements
S20 – UNIT 244, B-506 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 1	**General Provisions and Definitions (7/17/06)**		
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	N	

IV. Source Specific Applicable Requirements

Table IV – A.18
Source-specific Applicable Requirements
S20 – UNIT 244, B-506 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
9-10-301.1	...Start-up/Shutdown Contribution	N	
9-10-301.2	...Out-of-Service Units Contribution	N	
9-10-301.3	...Test-firing on Non-gaseous fuel Contribution	N	
9-10-303	Federal Facility-wide NOx emission rate limit	Y	
9-10-305	CO emission limit	N	
9-10-502	Monitoring	Y	
9-10-502.1	CEMS for NOx, CO, and O2, or equivalent monitoring	N	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	N	
9-10-504.1	Records	N	
9-10-505	Reporting	N	
9-10-601	Determination of NOx	N	
9-10-602	Determination of CO and Stack Gas O2	N	
9-10-603	Compliance Determination	Y	
40 CFR 60, Subpart A	**General Provisions (2/12/98)**		
60.7(b)	Records	Y	
60.7(c)	Notification and recordkeeping for continuous monitoring	Y	
60.7(d)	Summary reports	Y	
60.7(e)	Reduction of frequency of summary reports	Y	
60.7(f)	Records	Y	
60.7(g)	Alternative Notification	Y	
60.7(h)	Specific Provisions	Y	
60.8	Performance Tests	Y	
60.11	Compliance with Standards and Maintenance Requirements	Y	
60.11(a)	Compliance determined by performance tests	Y	
60.11(d)	Control devices operated using good air pollution control practice	Y	
60.13	Monitoring requirements	Y	
60.13(a)	Continuous monitoring systems subject to Appendix B, and Appendix F, (if used to demonstrate compliance with continuous emission limits), of Part 60	Y	
60.13(b)	Continuous monitoring systems and devices operational prior to performance tests required by 60.8	Y	
60.13(d)(1)	Continuous monitoring system zero and span calibration requirements	Y	

IV. Source Specific Applicable Requirements

Table IV – A.18
Source-specific Applicable Requirements
S20 – UNIT 244, B-506 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.13(e)	Continuous monitoring system minimum frequency of operation	Y	
60.13(e)(2)	Continuous monitoring system minimum frequency of operation for non-opacity-measuring devices	Y	
60.13(f)	Continuous monitoring system installation location requirement	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	
BAAQMD Condition 1694			
Part A.1b	Heat ratings, firing limits [Basis: Regulation 2-1-301]	Y	
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.18
Source-specific Applicable Requirements
S20 – UNIT 244, B-506 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	
BAAQMD Condition 20989, Part A	Throughput limits for S20 [Basis: 2-1-234.3]	Y	
BAAQMD Condition 21235			
Part 1	Sources subject to Regulation 9-10–301 and 9-10-305 [Basis: Regulation 9-10-301, 9-10-305]	N	
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	N	
Part 3	"NOx Box" requirement for sources without NOx CEMs [Basis: Regulation 9-10-502]	N	
Part 4	"NOx Box" development procedure [Basis: Regulation 9-10-502]	N	
Part 5	"NOx Box" parameters [Basis: Regulation 9-10-502]	N	
Part 6a	Allowed "NOx Box" deviations [Basis: Regulation 9-10-502]	N	
Part 6b	"NOx Box" deviation reporting requirement [Basis: Regulation 9-10-502]	N	
Part 7	NOx, CO, O2 source test requirement for sources without NOx CEMs [Basis: Regulation 9-10-502]	N	
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	N	
Part 10	Recordkeeping requirement [Basis: Regulation 9-10-504]	N	

IV. Source Specific Applicable Requirements

Table IV – A.19
Source-specific Applicable Requirements
S21 – 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 (7/17/06)**		
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 Requirements	Y	
9-10-306.2	Small Unit Requirements: Tune-up at least every 12 months, or within two weeks of start-up if not operated in the last 12 months	Y	
9-10-504	Recordkeeping	N	
9-10-504.2	Records	N	
9-10-505	Reporting	N	
9-10-605	Tune-up Procedures	Y	
40 CFR 60, Subpart A	**General Provisions (2/12/98)**		
60.7(b)	Records	Y	
60.7(c)	Notification and recordkeeping for continuous monitoring	Y	
60.7(d)	Summary reports	Y	
60.7(e)	Reduction of frequency of summary reports	Y	
60.7(f)	Records	Y	
60.7(g)	Alternative Notification	Y	
60.7(h)	Specific Provisions	Y	
60.8	Performance Tests	Y	
60.11	Compliance with Standards and Maintenance Requirements	Y	
60.11(a)	Compliance determined by performance tests	Y	

IV. Source Specific Applicable Requirements

Table IV – A.19
Source-specific Applicable Requirements
S21 – UNIT 244, B-507 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.11(d)	Control devices operated using good air pollution control practice	Y	
60.13	Monitoring requirements	Y	
60.13(a)	Continuous monitoring systems subject to Appendix B, and Appendix F, (if used to demonstrate compliance with continuous emission limits), of Part 60	Y	
60.13(b)	Continuous monitoring systems and devices operational prior to performance tests required by 60.8	Y	
60.13(d)(1)	Continuous monitoring system zero and span calibration requirements	Y	
60.13(e)	Continuous monitoring system minimum frequency of operation	Y	
60.13(e)(2)	Continuous monitoring system minimum frequency of operation for non-opacity-measuring devices	Y	
60.13(f)	Continuous monitoring system installation location requirement	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	H2S continuous emission monitoring systems	Y	

IV. Source Specific Applicable Requirements

Table IV – A.19
Source-specific Applicable Requirements
S21 – UNIT 244, B-507 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Specification 7			
BAAQMD Condition 1694			
Part A.1a	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	Y	
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 S21 [Basis: 2-1-234.3]	Y	

Table IV – A.20
Source-specific Applicable Requirements
S22 – 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 (7/17/06)**		
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	N	
9-10-301.1	...Start-up/Shutdown Contribution	N	

IV. Source Specific Applicable Requirements

Table IV – A.20
Source-specific Applicable Requirements
S22 – UNIT 248, B-606 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
9-10-301.2	...Out-of-Service Units Contribution	N	
9-10-301.3	...Test-firing on Non-gaseous fuel Contribution	N	
9-10-303	Federal Facility-wide NOx emission rate limit	Y	
9-10-305	CO emission limit	N	
9-10-502	Monitoring	Y	
9-10-502.1	CEMS for NOx, CO, and O2, or equivalent monitoring	N	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	N	
9-10-504.1	Records	N	
9-10-505	Reporting	N	
9-10-601	Determination of NOx	N	
9-10-602	Determination of CO and Stack Gas O2	N	
9-10-603	Compliance Determination	Y	
40 CFR 60, Subpart A	**General Provisions (2/12/98)**		
60.7(b)	Records	Y	
60.7(c)	Notification and recordkeeping for continuous monitoring	Y	
60.7(d)	Summary reports	Y	
60.7(e)	Reduction of frequency of summary reports	Y	
60.7(f)	Records	Y	
60.7(g)	Alternative Notification	Y	
60.7(h)	Specific Provisions	Y	
60.8	Performance Tests	Y	
60.11	Compliance with Standards and Maintenance Requirements	Y	
60.11(a)	Compliance determined by performance tests	Y	
60.11(d)	Control devices operated using good air pollution control practice	Y	
60.13	Monitoring requirements	Y	
60.13(a)	Continuous monitoring systems subject to Appendix B, and Appendix F, (if used to demonstrate compliance with continuous emission limits), of Part 60	Y	
60.13(b)	Continuous monitoring systems and devices operational prior to performance tests required by 60.8	Y	
60.13(d)(1)	Continuous monitoring system zero and span calibration requirements	Y	
60.13(e)	Continuous monitoring system minimum frequency of operation	Y	

IV. Source Specific Applicable Requirements

Table IV – A.20
Source-specific Applicable Requirements
S22 – UNIT 248, B-606 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.13(e)(2)	Continuous monitoring system minimum frequency of operation for non-opacity-measuring devices	Y	
60.13(f)	Continuous monitoring system installation location requirement	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	
BAAQMD Condition 1694			
Part A.1b	Heat ratings, firing limits [Basis: Regulation 2-1-301]	Y	
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
S22 – 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 S22 [Basis: 2-1-234.3]	Y	
BAAQMD Condition 21235			
Part 1	Sources subject to Regulation 9-10–301 and 9-10-305 [Basis: Regulation 9-10-301, 9-10-305]	N	
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	N	
Part 3	"NOx Box" requirement for sources without NOx CEMs [Basis: Regulation 9-10-502]	N	
Part 4	"NOx Box" development procedure [Basis: Regulation 9-10-502]	N	
Part 5	"NOx Box" parameters [Basis: Regulation 9-10-502]	N	
Part 6a	Allowed "NOx Box" deviations [Basis: Regulation 9-10-502]	N	
Part 6b	"NOx Box" deviation reporting requirement [Basis: Regulation 9-10-502]	N	
Part 7	NOx, CO, O2 source test requirement for sources without NOx CEMs [Basis: Regulation 9-10-502]	N	
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	N	
Part 10	Recordkeeping requirement [Basis: Regulation 9-10-504]	N	

IV. Source Specific Applicable Requirements

Table IV – A.21
Source-specific Applicable Requirements
S29 – 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 (7/17/06)**		
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	N	
9-10-301.1	...Start-up/Shutdown Contribution	N	
9-10-301.2	...Out-of-Service Units Contribution	N	
9-10-301.3	...Test-firing on Non-gaseous fuel Contribution	N	
9-10-303	Federal Facility-wide NOx emission rate limit	Y	
9-10-305	CO emission limit	N	
9-10-502	Monitoring	Y	
9-10-502.1	CEMS for NOx, CO, and O2, or equivalent monitoring	N	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	N	
9-10-504.1	Records	N	
9-10-505	Reporting	N	
9-10-601	Determination of NOx	N	
9-10-602	Determination of CO and Stack Gas O2	N	
9-10-603	Compliance Determination	Y	
40 CFR 60, Subpart A	**General Provisions (2/12/98)**		
60.7(b)	Records	Y	
60.7(c)	Notification and recordkeeping for continuous monitoring	Y	
60.7(d)	Summary reports	Y	
60.7(e)	Reduction of frequency of summary reports	Y	
60.7(f)	Records	Y	
60.7(g)	Alternative Notification	Y	

IV. Source Specific Applicable Requirements

Table IV – A.21
Source-specific Applicable Requirements
S29 – UNIT 200, B-5 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.7(h)	Specific Provisions	Y	
60.8	Performance Tests	Y	
60.11	Compliance with Standards and Maintenance Requirements	Y	
60.11(a)	Compliance determined by performance tests	Y	
60.11(d)	Control devices operated using good air pollution control practice	Y	
60.13	Monitoring requirements	Y	
60.13(a)	Continuous monitoring systems subject to Appendix B, and Appendix F, (if used to demonstrate compliance with continuous emission limits), of Part 60	Y	
60.13(b)	Continuous monitoring systems and devices operational prior to performance tests required by 60.8	Y	
60.13(d)(1)	Continuous monitoring system zero and span calibration requirements	Y	
60.13(e)	Continuous monitoring system minimum frequency of operation	Y	
60.13(e)(2)	Continuous monitoring system minimum frequency of operation for non-opacity-measuring devices	Y	
60.13(f)	Continuous monitoring system installation location requirement	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	

IV. Source Specific Applicable Requirements

Table IV – A.21
Source-specific Applicable Requirements
S29 – UNIT 200, B-5 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
NSPS 40 CFR 60 Appendix B	**Performance Specifications**		
Performance Specification 7	H2S continuous emission monitoring systems	Y	
BAAQMD Condition 1694			
Part A.1b	Heat ratings, firing limits [Basis: Regulation 2-1-301]	Y	
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 S29 [Basis: 2-1-234.3]	Y	
BAAQMD Condition 21235			
Part 1	Sources subject to Regulation 9-10–301 and 9-10-305 [Basis: Regulation 9-10-301, 9-10-305]	N	
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	N	
Part 3	"NOx Box" requirement for sources without NOx CEMs [Basis: Regulation 9-10-502]	N	
Part 4	"NOx Box" development procedure [Basis: Regulation 9-10-502]	N	
Part 5	"NOx Box" parameters [Basis: Regulation 9-10-502]	N	
Part 6a	Allowed "NOx Box" deviations [Basis: Regulation 9-10-502]	N	
Part 6b	"NOx Box" deviation reporting requirement [Basis: Regulation 9-10-502]	N	
Part 7	NOx, CO, O2 source test requirement for sources without NOx CEMs [Basis: Regulation 9-10-502]	N	
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	N	
Part 10	Recordkeeping requirement [Basis: Regulation 9-10-504]	N	

IV. Source Specific Applicable Requirements

Table IV – A.22
Source-specific Applicable Requirements
S30 – 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 (7/17/06)**		
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	N	
9-10-301.1	...Start-up/Shutdown Contribution	N	
9-10-301.2	...Out-of-Service Units Contribution	N	
9-10-301.3	...Test-firing on Non-gaseous fuel Contribution	N	
9-10-303	Federal Facility-wide NOx emission rate limit	Y	
9-10-305	CO emission limit	N	
9-10-502	Monitoring	Y	
9-10-502.1	CEMS for NOx, CO, and O2, or equivalent monitoring	N	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	N	
9-10-504.1	Records	N	
9-10-505	Reporting	N	
9-10-601	Determination of NOx	N	
9-10-602	Determination of CO and Stack Gas O2	N	
9-10-603	Compliance Determination	Y	
40 CFR 60, Subpart A	**General Provisions (2/12/98)**		
60.7(b)	Records	Y	
60.7(c)	Notification and recordkeeping for continuous monitoring	Y	
60.7(d)	Summary reports	Y	
60.7(e)	Reduction of frequency of summary reports	Y	
60.7(f)	Records	Y	

IV. Source Specific Applicable Requirements

Table IV – A.22
Source-specific Applicable Requirements
S30 – UNIT 200, B-101 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.7(g)	Alternative Notification	Y	
60.7(h)	Specific Provisions	Y	
60.8	Performance Tests	Y	
60.11	Compliance with Standards and Maintenance Requirements	Y	
60.11(a)	Compliance determined by performance tests	Y	
60.11(d)	Control devices operated using good air pollution control practice	Y	
60.13	Monitoring requirements	Y	
60.13(a)	Continuous monitoring systems subject to Appendix B, and Appendix F, (if used to demonstrate compliance with continuous emission limits), of Part 60	Y	
60.13(b)	Continuous monitoring systems and devices operational prior to performance tests required by 60.8	Y	
60.13(d)(1)	Continuous monitoring system zero and span calibration requirements	Y	
60.13(e)	Continuous monitoring system minimum frequency of operation	Y	
60.13(e)(2)	Continuous monitoring system minimum frequency of operation for non-opacity-measuring devices	Y	
60.13(f)	Continuous monitoring system installation location requirement	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 to Part 60 – Test Methods**	Y	

IV. Source Specific Applicable Requirements

Table IV – A.22
Source-specific Applicable Requirements
S30 – UNIT 200, B-101 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Appendix A			
NSPS 40 CFR 60 Appendix B	**Performance Specifications**		
Performance Specification 7	H2S continuous emission monitoring systems	Y	
BAAQMD Condition 1694			
Part A.1b	Heat ratings, firing limits [Basis: Regulation 2-1-301]	Y	
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 S30 [Basis: 2-1-234.3]	Y	
BAAQMD Condition 21235			
Part 1	Sources subject to Regulation 9-10–301 and 9-10-305 [Basis: Regulation 9-10-301, 9-10-305]	N	
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	N	
Part 3	"NOx Box" requirement for sources without NOx CEMs [Basis: Regulation 9-10-502]	N	
Part 4	"NOx Box" development procedure [Basis: Regulation 9-10-502]	N	
Part 5	"NOx Box" parameters [Basis: Regulation 9-10-502]	N	
Part 6a	Allowed "NOx Box" deviations [Basis: Regulation 9-10-502]	N	
Part 6b	"NOx Box" deviation reporting requirement [Basis: Regulation 9-10-502]	N	
Part 7	NOx, CO, O2 source test requirement for sources without NOx CEMs [Basis: Regulation 9-10-502]	N	
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	N	

IV. Source Specific Applicable Requirements

Table IV – A.22
Source-specific Applicable Requirements
S30 – UNIT 200, B-101 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 10	Recordkeeping requirement [Basis: Regulation 9-10-504]	N	

Table IV – A.23
Source-specific Applicable Requirements
S31 – 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 (7/17/06)**		
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	N	
9-10-301.1	...Start-up/Shutdown Contribution	N	
9-10-301.2	...Out-of-Service Units Contribution	N	
9-10-301.3	...Test-firing on Non-gaseous fuel Contribution	N	
9-10-303	Federal Facility-wide NOx emission rate limit	Y	
9-10-305	CO emission limit	N	
9-10-502	Monitoring	Y	
9-10-502.1	CEMS for NOx, CO, and O2, or equivalent monitoring	N	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	N	
9-10-504.1	Records	N	
9-10-505	Reporting	N	
9-10-601	Determination of NOx	N	
9-10-602	Determination of CO and Stack Gas O2	N	
9-10-603	Compliance Determination	Y	

IV. Source Specific Applicable Requirements

Table IV – A.23
Source-specific Applicable Requirements
S31 – UNIT 200, B-501 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
40 CFR 60, Subpart A	**General Provisions (2/12/98)**		
60.7(b)	Records	Y	
60.7(c)	Notification and recordkeeping for continuous monitoring	Y	
60.7(d)	Summary reports	Y	
60.7(e)	Reduction of frequency of summary reports	Y	
60.7(f)	Records	Y	
60.7(g)	Alternative Notification	Y	
60.7(h)	Specific Provisions	Y	
60.8	Performance Tests	Y	
60.11	Compliance with Standards and Maintenance Requirements	Y	
60.11(a)	Compliance determined by performance tests	Y	
60.11(d)	Control devices operated using good air pollution control practice	Y	
60.13	Monitoring requirements	Y	
60.13(a)	Continuous monitoring systems subject to Appendix B, and Appendix F, (if used to demonstrate compliance with continuous emission limits), of Part 60	Y	
60.13(b)	Continuous monitoring systems and devices operational prior to performance tests required by 60.8	Y	
60.13(d)(1)	Continuous monitoring system zero and span calibration requirements	Y	
60.13(e)	Continuous monitoring system minimum frequency of operation	Y	
60.13(e)(2)	Continuous monitoring system minimum frequency of operation for non-opacity-measuring devices	Y	
60.13(f)	Continuous monitoring system installation location requirement	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.23
Source-specific Applicable Requirements
S31 – UNIT 200, B-501 HEATER

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	
BAAQMD Condition 1694			
Part A.1b	Heat ratings, firing limits [Basis: Regulation 2-1-301]	Y	
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 S31 [Basis: 2-1-234.3]	Y	
BAAQMD Condition 21235			
Part 1	Sources subject to Regulation 9-10–301 and 9-10-305 [Basis: Regulation 9-10-301, 9-10-305]	N	
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	N	
Part 3	"NOx Box" requirement for sources without NOx CEMs [Basis: Regulation 9-10-502]	N	
Part 4	"NOx Box" development procedure [Basis: Regulation 9-10-502]	N	

IV. Source Specific Applicable Requirements

Table IV – A.23
Source-specific Applicable Requirements
S31 – UNIT 200, B-501 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 5	"NOx Box" parameters [Basis: Regulation 9-10-502]	N	
Part 6a	Allowed "NOx Box" deviations [Basis: Regulation 9-10-502]	N	
Part 6b	"NOx Box" deviation reporting requirement [Basis: Regulation 9-10-502]	N	
Part 7	NOx, CO, O2 source test requirement for sources without NOx CEMs [Basis: Regulation 9-10-502]	N	
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	N	
Part 10	Recordkeeping requirement [Basis: Regulation 9-10-504]	N	

Table IV – A.24
Source-specific Applicable Requirements
S36 – UNIT 200, 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 (7/17/06)**		
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	

IV. Source Specific Applicable Requirements

Table IV – A.24
Source-specific Applicable Requirements
S36 – UNIT 200, B-102 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 2, Rule 1	**Permits, General Requirements (7/19/06)**		
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)**		
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)**	Y	
40 CFR 60, Subpart A	**General Provisions (03/16/1994)**		
60.13	Monitoring Requirements	Y	
60.13(i)	Approval of Alternative Monitoring	Y	
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(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	
40 CFR 60,	**Appendix A to Part 60 – Test Methods**	Y	

IV. Source Specific Applicable Requirements

Table IV – A.24
Source-specific Applicable Requirements
S36 – UNIT 200, B-102 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Appendix A			
BAAQMD Condition 1694			
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5c	Records of SO2 emissions [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-409.2]	Y	
BAAQMD Condition 21097			
Part 1	Fuel restrictions [Basis: BACT, Cumulative Increase]	Y	
Part 2	Heat ratings, annual firing limits [Basis: Cumulative Increase]	Y	
Part 3a	Abatement requirement [Basis: BACT, Cumulative Increase]	Y	
Part 3b	Emission rate limits [Basis: BACT, Cumulative Increase]	Y	
Part 3c	Ammonia limit [Basis: Toxic Management]	N	
Part 4	Continuous fuel monitor requirement [Basis: Cumulative Increase]	Y	
Part 5a	NOx, O2 CEM requirement [Basis: BACT, Cumulative Increase]	Y	
Part 5b	Annual CO source test requirement [Basis: BACT, Cumulative Increase]	Y	
Part 6	Fuel gas TRS concentration limit [Basis: BACT, Cumulative Increase, SO2 bubble]	Y	
Part 7a	TRS testing requirement [Basis: BACT, Cumulative Increase, SO2 Bubble]	Y	
Part 7b	TRS records requirement [Basis: BACT, Cumulative Increase, SO2 Bubble]	Y	
Part 7c	Alternative monitoring for compliance with 40 CFR 60.104(a)(1) H2S limit	Y	
Part 10	Recordkeeping [2-6-503]	Y	
BAAQMD Condition 21099			
Part 1	Light hydrocarbon control valve requirements [Basis: BACT]	Y	
Part 2	Light hydrocarbon flange/connector requirements [Basis: BACT]	Y	
Part 3	Centrifugal compressor requirements [Basis: BACT]	Y	

IV. Source Specific Applicable Requirements

Table IV – A.24
Source-specific Applicable Requirements
S36 – UNIT 200, B-102 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 4	Light hydrocarbon centrifugal pump requirements [Basis: BACT]	Y	
Part 5	Monitoring and repair program requirement [Basis: BACT]	Y	
Part 6	ULSD project component count report requirement [Basis: BACT, Cumulative Increase, Toxic Management Policy]	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
S43 – 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 (7/17/06)**		
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 2, Rule 1 - Permits, General Requirements (7/19/06)**		

IV. Source Specific Applicable Requirements

Table IV – A.25
Source-specific Applicable Requirements
S43 – UNIT 200, B-202 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Regulation 2, Rule 1			
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)**		
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)**	Y	
BAAQMD Regulation 9, Rule 10	**Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon Monoxide from Boilers, Steam Generators, and Process Heaters in Petroleum Refineries (7/17/02)**		
9-10-301	Emission Limit for Facility, NOx: 0.033 lb NOx/MMbtu	N	
9-10-301.1	...Start-up/Shutdown Contribution	N	
9-10-301.2	...Out-of-Service Units Contribution	N	
9-10-301.3	...Test-firing on Non-gaseous fuel Contribution	N	
9-10-303	Federal Facility-wide NOx emission rate limit	Y	
9-10-305	CO emission limit	N	
9-10-502	Monitoring	Y	
9-10-502.1	CEMS for NOx, CO, and O2, or equivalent monitoring	N	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	N	
9-10-504.1	Records	N	
9-10-505	Reporting	N	
9-10-601	Determination of NOx	N	

IV. Source Specific Applicable Requirements

Table IV – A.25
Source-specific Applicable Requirements
S43 – UNIT 200, B-202 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	N	
9-10-603	Compliance Determination	Y	
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	
40 CFR 60, Appendix A	**Appendix A to Part 60 – Test Methods**	Y	
40 CFR 60, Appendix B	**Performance Specifications**		
Performance Specification 7	H2S continuous emission monitoring systems	Y	
BAAQMD Condition 1694			
Part A.1b	Heat ratings, firing limits [Basis: Regulation 2-1-301]	Y	
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.1	S43 abatement requirement [Basis: BACT, Cumulative Increase]	Y	
Part D.2	S43, S44 NOx emission limits [Basis: BACT, Cumulative Increase]	Y	

IV. Source Specific Applicable Requirements

Table IV – A.25
Source-specific Applicable Requirements
S43 – UNIT 200, B-202 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part D.3	S43, S44 CO emission limits [Basis: BACT, Cumulative Increase]	Y	
Part D.4	S43, S44 NOx, O2 CEM requirement [Basis: BACT, Cumulative Increase]	Y	
BAAQMD Condition 20989, Part A	Throughput limits for source S43 [Basis: 2-1-234.3]	Y	
BAAQMD Condition 21235			
Part 1	Sources subject to Regulation 9-10–301 and 9-10-305 [Basis: Regulation 9-10-301, 9-10-305]	N	
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	N	
Part 8	CO source test requirement for sources with NOx CEMs [Basis: Regulation 9-10-502]	N	
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	N	
Part 10	Recordkeeping requirement [Basis: Regulation 9-10-504]	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.26
Source-specific Applicable Requirements
S44 – 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 (7/17/06)**		
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 2, Rule 1	**Regulation 2, Rule 1 - Permits, General Requirements (7/19/06)**		
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)**		
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	**Continuous Emission Monitoring Policy and Procedures (1/20/82)**	Y	

IV. Source Specific Applicable Requirements

Table IV – A.26
Source-specific Applicable Requirements
S44 – UNIT 200, B-201 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Manual of Procedures, 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	N	
9-10-301.1	...Start-up/Shutdown Contribution	N	
9-10-301.2	...Out-of-Service Units Contribution	N	
9-10-301.3	...Test-firing on Non-gaseous fuel Contribution	N	
9-10-303	Federal Facility-wide NOx emission rate limit	Y	
9-10-305	CO emission limit	N	
9-10-502	Monitoring	Y	
9-10-502.1	CEMS for NOx, CO, and O2, or equivalent monitoring	N	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	N	
9-10-504.1	Records	N	
9-10-505	Reporting	N	
9-10-601	Determination of NOx	N	
9-10-602	Determination of CO and Stack Gas O2	N	
9-10-603	Compliance Determination	Y	
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	

IV. Source Specific Applicable Requirements

Table IV – A.26
Source-specific Applicable Requirements
S44 – UNIT 200, B-201 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.106(e)(1)	Method 11 shall be used to verify compliance with 60.104(a)(1)	Y	
40 CFR 60, Appendix A	**Appendix A to Part 60 – Test Methods**	Y	
40 CFR 60, Appendix B	**Performance Specifications**		
Performance Specification 7	H2S continuous emission monitoring systems	Y	
BAAQMD Condition 1694			
Part A.1b	Heat ratings, firing limits [Basis: Regulation 2-1-301]	Y	
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	S43, S44 NOx emission limits [Basis: BACT, Cumulative Increase]	Y	
Part D.3	S43, S44 CO emission limits [Basis: BACT, Cumulative Increase]	Y	
Part D.4	S43, S44 NOx, O2 CEM requirement [Basis: BACT, Cumulative Increase]	Y	
BAAQMD Condition 20989, Part A	Throughput limits for source S44 [Basis: 2-1-234.3]	Y	
BAAQMD Condition 21235			
Part 1	Sources subject to Regulation 9-10–301 and 9-10-305 [Basis: Regulation 9-10-301, 9-10-305]	N	
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	N	
Part 8	CO source test requirement for sources with NOx CEMs [Basis: Regulation 9-10-502]	N	
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	N	
Part 10	Recordkeeping requirement [Basis: Regulation 9-10-504]	N	

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.27
Source-specific Applicable Requirements
S50, S51, S52 – 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	
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	

IV. Source Specific Applicable Requirements

Table IV – A.28
Source-specific Applicable Requirements
S53, S54, S55, S56, S57, S58, S59 – 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 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.29
Source-specific Applicable Requirements
S336 – 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 (7/17/06)]**		
1-521	Monitoring May Be Required	Y	
BAAQMD	**Particulate Matter and Visible Emissions (12/19/90)**		

IV. Source Specific Applicable Requirements

Table IV – A.29
Source-specific Applicable Requirements
S336 – UNIT 231, B-104 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Regulation 6			
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	N	
9-10-301.1	...Start-up/Shutdown Contribution	N	
9-10-301.2	...Out-of-Service Units Contribution	N	
9-10-301.3	...Test-firing on Non-gaseous fuel Contribution	N	
9-10-303	Federal Facility-wide NOx emission rate limit	Y	
9-10-305	CO emission limit	N	
9-10-502	Monitoring	Y	
9-10-502.1	CEMS for NOx, CO, and O2, or equivalent monitoring	N	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	N	
9-10-504.1	Records	N	
9-10-505	Reporting	N	
9-10-601	Determination of NOx	N	
9-10-602	Determination of CO and Stack Gas O2	N	
9-10-603	Compliance Determination	Y	
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.29
Source-specific Applicable Requirements
S336 – UNIT 231, B-104 HEATER

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	
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	
BAAQMD Condition 1694			
Part A.1a	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	Y	
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 S336 [Basis: 2-1-234.3]	Y	
BAAQMD Condition 21235			
Part 1	Sources subject to Regulation 9-10–301 and 9-10-305 [Basis: Regulation 9-10-301, 9-10-305]	N	
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	N	
Part 3	"NOx Box" requirement for sources without NOx CEMs [Basis: Regulation 9-10-502]	N	
Part 4	"NOx Box" development procedure [Basis: Regulation 9-10-502]	N	
Part 5	"NOx Box" parameters [Basis: Regulation 9-10-502]	N	
Part 6a	Allowed "NOx Box" deviations [Basis: Regulation 9-10-502]	N	
Part 6b	"NOx Box" deviation reporting requirement [Basis: Regulation 9-10-502]	N	

IV. Source Specific Applicable Requirements

Table IV – A.29
Source-specific Applicable Requirements
S336 – UNIT 231, B-104 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 7	NOx, CO, O2 source test requirement for sources without NOx CEMs [Basis: Regulation 9-10-502]	N	
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	N	
Part 10	Recordkeeping requirement [Basis: Regulation 9-10-504]	N	

Table IV – A.30
Source-specific Applicable Requirements
S337 – 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 (7/17/06)]**		
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	N	
9-10-301.1	...Start-up/Shutdown Contribution	N	
9-10-301.2	...Out-of-Service Units Contribution	N	
9-10-301.3	...Test-firing on Non-gaseous fuel Contribution	N	
9-10-303	Federal Facility-wide NOx emission rate limit	Y	
9-10-305	CO emission limit	N	
9-10-502	Monitoring	Y	
9-10-502.1	CEMS for NOx, CO, and O2, or equivalent monitoring	N	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	N	
9-10-504.1	Records	N	
9-10-505	Reporting	N	

IV. Source Specific Applicable Requirements

Table IV – A.30
Source-specific Applicable Requirements
S337 – UNIT 231, B-105 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
9-10-601	Determination of NOx	N	
9-10-602	Determination of CO and Stack Gas O2	N	
9-10-603	Compliance Determination	Y	
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	
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	
BAAQMD Condition 1694			
Part A.1a	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	Y	
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.30
Source-specific Applicable Requirements
S337 – UNIT 231, B-105 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Condition 20989, Part A	Throughput limits for source S337 [Basis: 2-1-234.3]	Y	
BAAQMD Condition 21235			
Part 1	Sources subject to Regulation 9-10–301 and 9-10-305 [Basis: Regulation 9-10-301, 9-10-305]	N	
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	N	
Part 3	"NOx Box" requirement for sources without NOx CEMs [Basis: Regulation 9-10-502]	N	
Part 4	"NOx Box" development procedure [Basis: Regulation 9-10-502]	N	
Part 5	"NOx Box" parameters [Basis: Regulation 9-10-502]	N	
Part 6a	Allowed "NOx Box" deviations [Basis: Regulation 9-10-502]	N	
Part 6b	"NOx Box" deviation reporting requirement [Basis: Regulation 9-10-502]	N	
Part 7	NOx, CO, O2 source test requirement for sources without NOx CEMs [Basis: Regulation 9-10-502]	N	
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	N	
Part 10	Recordkeeping requirement [Basis: Regulation 9-10-504]	N	

Table IV – A.31
Source-specific Applicable Requirements
S351 – 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 (7/17/06)**		
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		

IV. Source Specific Applicable Requirements

Table IV – A.31
Source-specific Applicable Requirements
S351 – UNIT 267, B-601/602 HEATERS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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 (7/19/06)**		
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)**		
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)**	Y	
BAAQMD Regulation 9, Rule 10	**Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon Monoxide from Boilers, Steam Generators, and Process Heaters in Petroleum Refineries (7/17/02)**		
9-10-301	Emission Limit for Facility, NOx: 0.033 lb NOx/MMbtu	N	

IV. Source Specific Applicable Requirements

Table IV – A.31
Source-specific Applicable Requirements
S351 – UNIT 267, B-601/602 HEATERS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
9-10-301.1	...Start-up/Shutdown Contribution	N	
9-10-301.2	...Out-of-Service Units Contribution	N	
9-10-301.3	...Test-firing on Non-gaseous fuel Contribution	N	
9-10-303	Federal Facility-wide NOx emission rate limit	Y	
9-10-305	CO emission limit	N	
9-10-502	Monitoring	Y	
9-10-502.1	CEMS for NOx, CO, and O2, or equivalent monitoring	N	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	N	
9-10-504.1	Records	N	
9-10-505	Reporting	N	
9-10-601	Determination of NOx	N	
9-10-602	Determination of CO and Stack Gas O2	N	
9-10-603	Compliance Determination	Y	
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	
40 CFR 60, Appendix A	**Appendix A to Part 60 – Test Methods**	Y	
40 CFR 60, Appendix B	**Performance Specifications**		
Performance Specification 7	H2S continuous emission monitoring systems	Y	
BAAQMD			

IV. Source Specific Applicable Requirements

Table IV – A.31
Source-specific Applicable Requirements
S351 – UNIT 267, B-601/602 HEATERS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Condition 1694			
Part A.1b	Heat ratings, firing limits [Basis: Regulation 2-1-301]	Y	
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	S351 abatement requirement [Basis: BACT, Cumulative Increase]	Y	
Part B.2	S351 NOx emission limit [Basis: BACT, Cumulative Increase]	Y	
Part B.3	S351 NOx, O2 CEM requirement [Basis: BACT, Cumulative Increase]	Y	
BAAQMD Condition 20989, Part A	Throughput limits for source S351 [Basis: 2-1-234.3]	Y	
BAAQMD Condition 21235			
Part 1	Sources subject to Regulation 9-10–301 and 9-10-305 [Basis: Regulation 9-10-301, 9-10-305]	N	
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	N	
Part 8	CO source test requirement for sources with NOx CEMs [Basis: Regulation 9-10-502]	N	
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	N	
Part 10	Recordkeeping requirement [Basis: Regulation 9-10-504]	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.32
Source-specific Applicable Requirements
S371 – 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 (7/17/06)**		
1-107	Combination of Emissions	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	
6-305	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)**	Y	
BAAQMD Regulation 9, Rule 10	**Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon Monoxide from Boilers, Steam Generators, and Process Heaters in Petroleum Refineries (7/17/02)**		
9-10-301	Emission Limit for Facility, NOx: 0.033 lb NOx/MMbtu	N	
9-10-301.1	...Start-up/Shutdown Contribution	N	
9-10-301.2	...Out-of-Service Units Contribution	N	

IV. Source Specific Applicable Requirements

Table IV – A.32
Source-specific Applicable Requirements
S371 – UNIT 228, B-520 FURNACE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
9-10-301.3	...Test-firing on Non-gaseous fuel Contribution	N	
9-10-303	Federal Facility-wide NOx emission rate limit	Y	
9-10-305	CO emission limit	N	
9-10-502	Monitoring	Y	
9-10-502.1	CEMS for NOx, CO, and O2, or equivalent monitoring	N	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	N	
9-10-504.1	Records	N	
9-10-505	Reporting	N	
9-10-601	Determination of NOx	N	
9-10-602	Determination of CO and Stack Gas O2	N	
9-10-603	Compliance Determination	Y	
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	
40 CFR 60, Appendix A	**Appendix A to Part 60 – Test Methods**	Y	
40 CFR 60, Appendix B	**Performance Specifications**		
Performance Specification 7	H2S continuous emission monitoring systems	Y	
BAAQMD Condition			

IV. Source Specific Applicable Requirements

Table IV – A.32
Source-specific Applicable Requirements
S371 – UNIT 228, B-520 FURNACE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
1694			
Part A.1b	Heat ratings, firing limits [Basis: Regulation 2-1-301]	Y	
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	S371, S372 abatement requirement [Basis: BACT, Cumulative Increase]	Y	
Part C.2	S371, S372 NOx emission limits [Basis: BACT, Cumulative Increase]	Y	
Part C.3	S371, S372 CO emission limits [Basis: BACT, Cumulative Increase]	Y	
BAAQMD Condition 20989, Part A	Throughput limits for source S371 [Basis: 2-1-234.3]	Y	
BAAQMD Condition 21235			
Part 1	Sources subject to Regulation 9-10–301 and 9-10-305 [Basis: Regulation 9-10-301, 9-10-305]	N	
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	N	
Part 8	CO source test requirement for sources with NOx CEMs [Basis: Regulation 9-10-502]	N	
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	N	
Part 10	Recordkeeping requirement [Basis: Regulation 9-10-504]	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.33
Source-specific Applicable Requirements
S372 – 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 (7/17/06)**		
1-107	Combination of Emissions	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	
6-305	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)**	Y	
BAAQMD Regulation 9, Rule 10	**Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon Monoxide from Boilers, Steam Generators, and Process Heaters in Petroleum Refineries (7/17/02)**		
9-10-301	Emission Limit for Facility, NOx: 0.033 lb NOx/MMbtu	N	
9-10-301.1	...Start-up/Shutdown Contribution	N	
9-10-301.2	...Out-of-Service Units Contribution	N	
9-10-301.3	...Test-firing on Non-gaseous fuel Contribution	N	

IV. Source Specific Applicable Requirements

Table IV – A.33
Source-specific Applicable Requirements
S372 – UNIT 228, B-521 FURNACE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
9-10-303	Federal Facility-wide NOx emission rate limit	Y	
9-10-305	CO emission limit	N	
9-10-502	Monitoring	Y	
9-10-502.1	CEMS for NOx, CO, and O2, or equivalent monitoring	N	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	N	
9-10-504.1	Records	N	
9-10-505	Reporting	N	
9-10-601	Determination of NOx	N	
9-10-602	Determination of CO and Stack Gas O2	N	
9-10-603	Compliance Determination	Y	
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	
40 CFR 60, Appendix A	**Appendix A to Part 60 – Test Methods**	Y	
40 CFR 60, Appendix B	**Performance Specifications**		
Performance Specification 7	H2S continuous emission monitoring systems	Y	
BAAQMD Condition 1694			

IV. Source Specific Applicable Requirements

Table IV – A.33
Source-specific Applicable Requirements
S372 – UNIT 228, B-521 FURNACE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part A.1b	Heat ratings, firing limits [Basis: Regulation 2-1-301]	Y	
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	S371, S372 abatement requirement [Basis: BACT, Cumulative Increase]	Y	
Part C.2	S371, S372 NOx emission limits [Basis: BACT, Cumulative Increase]	Y	
Part C.3	S371, S372 CO emission limits [Basis: BACT, Cumulative Increase]	Y	
BAAQMD Condition 20989, Part A	Throughput limits for source S372 [Basis: 2-1-234.3]	Y	
BAAQMD Condition 21235			
Part 1	Sources subject to Regulation 9-10–301 and 9-10-305 [Basis: Regulation 9-10-301, 9-10-305]	N	
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	N	
Part 8	CO source test requirement for sources with NOx CEMs [Basis: Regulation 9-10-502]	N	
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	N	
Part 10	Recordkeeping requirement [Basis: Regulation 9-10-504]	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.34
Source-specific Applicable Requirements
S438 – 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 (7/17/06)**		
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)**	Y	
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	

IV. Source Specific Applicable Requirements

Table IV – A.34
Source-specific Applicable Requirements
S438 – UNIT 110, H-1 FURNACE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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	
40 CFR 60, Appendix A	**Appendix A to Part 60 – Test Methods**	Y	
40 CFR 60, Appendix B	**Performance Specifications**		
Performance Specification 7	H2S continuous emission monitoring systems	Y	
BAAQMD Condition 1694			
Part A.1c	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	Y	
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	S438 abatement requirement [Basis: BACT, Cumulative Increase]	Y	
Part E.2	S438 annual firing limit [Basis: Cumulative Increase]	Y	
Part E.3	S438 PSA offgas fuel TRS limit [Basis: BACT, Cumulative Increase]	Y	
Part E.4	S438 NOx, CO and POC emission limits [Basis: BACT, Cumulative Increase]	Y	
Part E.5	S438 fuel gas TRS limit [Basis: BACT, Cumulative Increase]	Y	
Part E.6	S438 Records [Basis: Cumulative Increase]	Y	
Part E.7	S438 modification startup source test requirement [Basis: BACT, Cumulative Increase]	Y	
Part E.8	S438 modification startup source test requirement [Basis: BACT,	Y	

IV. Source Specific Applicable Requirements

Table IV – A.34
Source-specific Applicable Requirements
S438 – UNIT 110, H-1 FURNACE

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

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.35
Source-specific Applicable Requirements
S461 – UNIT 250, B-701 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 1	**General Provisions and Definitions (7/17/06)**		
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 2, Rule 1	**Regulation 2, Rule 1 - Permits, General Requirements (7/19/06)**		
2-1-403	Permit conditions requiring measurement of emissions	N	

IV. Source Specific Applicable Requirements

Table IV – A.35
Source-specific Applicable Requirements
S461 – UNIT 250, B-701 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)**		
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)**	Y	
40 CFR 60, Subpart A	**General Provisions (03/16/1994)**		
60.13	Monitoring Requirements	Y	
60.13(i)	Approval of Alternative Monitoring	Y	
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(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	
40 CFR 60, Appendix A	**Appendix A to Part 60 – Test Methods**	Y	
NSPS 40 CFR 60 Appendix B	**Performance Specifications**		

IV. Source Specific Applicable Requirements

Table IV – A.35
Source-specific Applicable Requirements
S461 – UNIT 250, B-701 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Performance Specification 7	H2S continuous emission monitoring systems	Y	
BAAQMD Condition 1694			
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5c	Records of SO2 emissions [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-409.2]	Y	
BAAQMD Condition 21096			
Part 1	Fuel restrictions [Basis: BACT, Cumulative Increase]	Y	
Part 2	Heat ratings, annual firing limits [Basis: Cumulative Increase]	Y	
Part 3a	Abatement requirement [Basis: BACT, Cumulative Increase]	Y	
Part 3b	Emission rate limits [Basis: BACT, Cumulative Increase]	Y	
Part 3c	Ammonia limit [Basis: Toxic Management]	N	
Part 4	Continuous fuel monitor requirement [Basis: Cumulative Increase]	Y	
Part 5a	NOx, O2 CEM requirement [Basis: BACT, Cumulative Increase]	Y	
Part 5b	Annual CO source test requirement [Basis: BACT, Cumulative Increase]	Y	
Part 6	Fuel gas TRS concentration limit [Basis: BACT, Cumulative Increase, SO2 bubble]	Y	
Part 7a	TRS testing requirement [Basis: BACT, Cumulative Increase, SO2 Bubble]	Y	
Part 7b	TRS records requirement [Basis: BACT, Cumulative Increase, SO2 Bubble]	Y	
Part 10	Recordkeeping [Basis: 2-6-503]	Y	
BAAQMD Condition 21099			
Part 1	Light hydrocarbon control valve requirements [Basis: BACT]	Y	
Part 2	Light hydrocarbon flange/connector requirements [Basis: BACT]	Y	
Part 3	Centrifugal compressor requirements [Basis: BACT]	Y	
Part 4	Light hydrocarbon centrifugal pump requirements [Basis: BACT]	Y	

IV. Source Specific Applicable Requirements

Table IV – A.35
Source-specific Applicable Requirements
S461 – UNIT 250, B-701 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 5	Monitoring and repair program requirement [Basis: BACT]	Y	
Part 6	ULSD project component count report requirement [Basis: BACT, Cumulative Increase, Toxic Management Policy]	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 – B
Source-specific Applicable Requirements
S400 WET WEATHER WASTEWATER SUMP
S401 DRY WEATHER WASTEWATER SUMP

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
40 CFR 60, Subpart QQQ	**Standards of Performance for VOC Emissions from Petroleum Refinery Wastewater Systems (8/18/95)**		
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	

IV. Source Specific Applicable Requirements

Table IV – B
Source-specific Applicable Requirements
S400 WET WEATHER WASTEWATER SUMP
S401 DRY WEATHER WASTEWATER SUMP

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.692-6(a)	Delays 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 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 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	

IV. Source Specific Applicable Requirements

Table IV – B
Source-specific Applicable Requirements
S400 WET WEATHER WASTEWATER SUMP
S401 DRY WEATHER WASTEWATER SUMP

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 5	Semiannual VOC monitoring and records [Basis: Cumulative Increase]	Y	
BAAQMD Condition 20989, Part A	Throughput limits for sources S400, S401 [Basis: 2-1-234.3]	Y	

Table IV - C
Source-specific Applicable Requirements
S324 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	Y	

IV. Source Specific Applicable Requirements

Table IV - C
Source-specific Applicable Requirements
S324 API OIL/WASTEWATER SEPARATOR

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	Air Floatation Unit		
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	
40 CFR 60, Subpart QQQ	**Standards of Performance for VOC Emissions from Petroleum Refinery Wastewater Systems (8/18/95)**	**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, performance test results, and inspections	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)	Delays 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	

IV. Source Specific Applicable Requirements

Table IV - C
Source-specific Applicable Requirements
S324 API OIL/WASTEWATER SEPARATOR

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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	
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	Throughput limit for source S324 [Basis: 2-1-234.3]	Y	

IV. Source Specific Applicable Requirements

Table IV - C
Source-specific Applicable Requirements
S324 API OIL/WASTEWATER SEPARATOR

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

IV. Source Specific Applicable Requirements

Table IV – D
Source-specific Applicable Requirements
S1007 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** fixed roof seals, access doors, and other openings.	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	
Part 6	Maximum wastewater throughput [Basis: Cumulative Increase]	Y	
BAAQMD Condition 20989, Part A	Throughput limit for S1007 [Basis: 2-1-234.3]	Y	

IV. Source Specific Applicable Requirements

Table IV - E
Source-specific Applicable Requirements – Wastewater
PONDS/BIOTREATERS/SURFACE IMPOUNDMENTS
S381 AERATION TANK F-201; S382 AERATION TANK F-202; S383 CLARIFIER F-203; S384 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 S381, S382, S383, S384 [Basis: 2-1-234.3]	Y	

IV. Source Specific Applicable Requirements

Table IV - F
Source-specific Applicable Requirements – Wastewater
PONDS/BIOTREATERS/SURFACE IMPOUNDMENTS
S1008 PRIMARY STORMWATER BASIN
S1009 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 S1008, S1009	Y	
BAAQMD Condition 1440			
Part 2	Minimize diversion of wastewater to S1008, S1009 [Basis: Cumulative Increase]	Y	
Part 3	Records of wastewater diversions to S1008, S1009 [Basis: Cumulative Increase]	Y	

Table IV – G
Source-specific Applicable Requirements – Miscellaneous Wastewater Sources Subject to Condition 1440
S385 – WASTEWATER EFFLUENT MEDIA FILTER F271-F278
S386 – PAC REGENERATION SLUDGE THICKENER F-211
S387 – WET AIR REGENERATION SYSTEM P-202
S390 – THICKENED SLUDGE STORAGE F-106
S392 – 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	

IV. Source Specific Applicable Requirements

Table IV – G
Source-specific Applicable Requirements – Miscellaneous Wastewater Sources Subject to Condition 1440
S385 – WASTEWATER EFFLUENT MEDIA FILTER F271-F278
S386 – PAC REGENERATION SLUDGE THICKENER F-211
S387 – WET AIR REGENERATION SYSTEM P-202
S390 – THICKENED SLUDGE STORAGE F-106
S392 – REGENERATED PAC SLURRY STORAGE F-266

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Condition 20989, Part A	Throughput limits for sources S385, S386, S387, S390, S392 [Basis: 2-1-234.3]	Y	

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	
40 CFR 60, Subpart QQQ	**Standards of Performance for VOC Emissions from Petroleum Refinery Wastewater Systems (8/18/95) [APPLIES ONLY TO J-BOXES DOWNSTREAM OF S400, S401 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,	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
	performance test results, and inspections		
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 made 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	
60.692-6(a)	Delays 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 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	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
	with the provisions of this subpart shall be kept for the life of the source in a readily accessible location.		
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 – I
Source-specific Applicable Requirements
WASTEWATER PROCESS SEWERS/SEWER LINES – S324 OIL/WATER SEPARATOR ONLY

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
40 CFR 60, Subpart QQQ	**Standards of Performance for VOC Emissions from Petroleum Refinery Wastewater Systems (8/18/95)**		
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	

IV. Source Specific Applicable Requirements

Table IV – I
Source-specific Applicable Requirements
WASTEWATER PROCESS SEWERS/SEWER LINES – S324 OIL/WATER SEPARATOR ONLY

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

Table IV - K
Source-specific Applicable Requirements
S294 – 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	

IV. Source Specific Applicable Requirements

Table IV - K
Source-specific Applicable Requirements
S294 – NON-RETAIL GASOLINE DISPENSING FACILITY

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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	
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	Gasoline throughput shall not exceed 400,000 gallons in any	N	

IV. Source Specific Applicable Requirements

Table IV - K
Source-specific Applicable Requirements
S294 – NON-RETAIL GASOLINE DISPENSING FACILITY

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Condition 7523	consecutive 12-month period. [Basis: Toxic Risk Policy]		
BAAQMD Condition 18680			
Part 1	Operation and maintenance standards for vapor recovery system (CARB Executive Order VR-101)	N	
Part 2	36-month testing requirement	N	
BAAQMD Condition 20989, Part A	Throughput limits for S294 [Basis: 2-1-234.3]	Y	

IV. Source Specific Applicable Requirements

Table IV – L.1
Source-specific Applicable Requirements
S296 – C-1 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	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
BAAQMD Regulation 12, -Rule 11	**Flare Monitoring at Petroleum Refineries (06/04/03)**		
12-11-401	Flare Data Reporting Requirements	N	
12-11-402	Flow Verification Report	N	
12-11-501	Vent Gas Flow Monitoring	N	
12-11-502	Vent Gas Composition Monitoring	N	
12-11-502.3	Vent Gas Composition Monitoring	N	
12-11-503	Pilot Monitoring	N	
12-11-504	Pilot and Purge Gas Monitoring	N	
12-11-505	Recordkeeping Requirements	N	
12-11-506	General Monitoring Requirements	N	
12-11-506.1	Periods of Inoperation of Vent Gas Monitoring	N	
12-11-507	Video Monitoring	N	
40 CFR Part 60 Subpart A	**New Source Performance Standards – General Provisions (12/23/71)**	**Y**	
60.1	Applicability	Y	
60.2	Definitions	Y	
60.3	Units and abbreviations	Y	
60.4	Address	Y	
60.5	Determination of construction or modification	Y	
60.6	Review of plans	Y	
60.7	Notification and record keeping	Y	
60.8	Performance tests	Y	
60.9	Availability of information	Y	
60.10	State authority	Y	
60.11	Compliance with standards and maintenance requirements	Y	

IV. Source Specific Applicable Requirements

Table IV – L.1
Source-specific Applicable Requirements
S296 – C-1 FLARE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.11(a)	Compliance determined by performance tests	Y	
60.11(d)	Control devices operated using good air pollution control practice	Y	
60.12	Circumstances	Y	
60.14	Modifications	Y	
60.15	Reconstruction	Y	
60.16	Priority list	Y	
60.17	Incorporation by reference	Y	
60.19	General notification and reporting requirements	Y	
NSPS 40 CFR 60 Subpart J	**Standards of Performance for Petroleum Refineries (7/1/00)**		
60.104	Standards for Sulfur Oxides: Compliance Schedule	Y	
60.104(a)(1)	Exempt from fuel gas H2S limit if the flare is used only for upsets or emergency malfunctions	Y	
BAAQMD Condition 18255			
Part 3	Flaring event definition [Basis: Regulation 2-6-409.2]	Y	
Part 4	Flaring event inspection procedure [Basis: Regulations 6-301, 2-1-403]	Y	
Part 5	Flaring event compliance criteria [Basis: Regulation 2-6-403]	Y	
Part 6	Flaring event records [Basis: Regulations 2-6-501, 2-6-409.2]	Y	

Table IV – L.2
Source-specific Applicable Requirements
S398 – 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	
6-305	Visible Particles	Y	

IV. Source Specific Applicable Requirements

Table IV – L.2
Source-specific Applicable Requirements
S398 – MP-30 FLARE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
6-310	Particulate Weight Limitation	Y	
BAAQMD Regulation 12, -Rule 11	**Flare Monitoring at Petroleum Refineries (06/04/03)**		
12-11-401	Flare Data Reporting Requirements	N	
12-11-402	Flow Verification Report	N	
12-11-501	Vent Gas Flow Monitoring	N	
12-11-502	Vent Gas Composition Monitoring	N	
12-11-502.3	Vent Gas Composition Monitoring	N	
12-11-503	Pilot Monitoring	N	
12-11-504	Pilot and Purge Gas Monitoring	N	
12-11-505	Recordkeeping Requirements	N	
12-11-506	General Monitoring Requirements	N	
12-11-506.1	Periods of Inoperation of Vent Gas Monitoring	N	
12-11-507	Video Monitoring	N	
40 CFR Part 60 Subpart A	**New Source Performance Standards – General Provisions (12/23/71)**	**Y**	
60.1	Applicability	Y	
60.2	Definitions	Y	
60.3	Units and abbreviations	Y	
60.4	Address	Y	
60.5	Determination of construction or modification	Y	
60.6	Review of plans	Y	
60.7	Notification and record keeping	Y	
60.8	Performance tests	Y	
60.9	Availability of information	Y	
60.10	State authority	Y	
60.11	Compliance with standards and maintenance requirements	Y	
60.11(a)	Compliance determined by performance tests	Y	
60.11(d)	Control devices operated using good air pollution control practice	Y	
60.12	Circumstances	Y	
60.14	Modifications	Y	
60.15	Reconstruction	Y	
60.16	Priority list	Y	

IV. Source Specific Applicable Requirements

Table IV – L.2
Source-specific Applicable Requirements
S398 – MP-30 FLARE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.17	Incorporation by reference	Y	
60.19	General notification and reporting requirements	Y	
NSPS 40 CFR 60 Subpart J	**Standards of Performance for Petroleum Refineries (7/1/00)**		
60.104	Standards for Sulfur Oxides: Compliance Schedule	Y	
60.104(a)(1)	Exempt from fuel gas H2S limit if the flare is used only for upsets or emergency malfunctions	Y	
BAAQMD Condition 18255			
Part 3	Flaring event definition [Basis: Regulation 2-6-409.2]	Y	
Part 4	Flaring event inspection procedure [Basis: Regulations 6-301, 2-1-403]	Y	
Part 5	Flaring event compliance criteria [Basis: Regulation 2-6-403]	Y	
Part 6	Flaring event records [Basis: Regulations 2-6-501, 2-6-409.2]	Y	

IV. Source Specific Applicable Requirements

Table IV - M
Source-specific Applicable Requirements
S300 – 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 Compounds – Process Vessel Depressurization (1/21/2004)**		
8-10-301	Depressurization Control Options	N	
8-10-302	Opening of Process Vessels	N	
8-10-302.1	organic compounds cannot exceed 10,000 ppm (methane) prior to release to atmosphere	N	
8-10-302.2	Organic compound concentration of a refinery process vessel may exceed 10,000 ppm prior to release to atmosphere provided total number of such vessels during 5-year period does not exceed 10%	N	
8-10-401	Turnaround Records. Annual report due February 1 of each year with initial report of process vessels due 4/1/2004.	N	
8-10-501	Monitoring prior to and during process vessel opening	Y	
8-10-502	Concentration measurement using EPA Method 21	Y	
8-10-503	Recordkeeping	N	
8-10-601	Monitoring Procedures	N	
SIP Regulation 8, Rule 10	**Organic Compounds – Process Vessel Depressurization (7/20/83)**		
8-10-301	Process Vessel Depressurizing. 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			

IV. Source Specific Applicable Requirements

Table IV - M
Source-specific Applicable Requirements
S300 – U-200 DELAYED COKER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Condition 21092			
Part 1	Throughput limit [Basis: Cumulative Increase]	Y	
Part 2	Recordkeeping requirements [Basis: Cumulative Increase]	Y	
Part 3	Reporting requirement [Basis: Cumulative Increase]	Y	
BAAQMD Condition 21099			
Part 1	Light hydrocarbon control valve requirements [Basis: BACT]	Y	
Part 2	Light hydrocarbon flange/connector requirements [Basis: BACT]	Y	
Part 3	Centrifugal compressor requirements [Basis: BACT]	Y	
Part 4	Light hydrocarbon centrifugal pump requirements [Basis: BACT]	Y	
Part 5	Monitoring and repair program requirement [Basis: BACT]	Y	
Part 6	ULSD project component count report requirement [Basis: BACT, Cumulative Increase, Toxic Management Policy]	Y	

Table IV – N
Source-specific Applicable Requirements – Process Vessels
S304 –U-229 LIGHT NAPHTHA HYDROTREATER;
S305 – U-230 PREFRACTIONATOR / NAPHTHA HYDROTREATER;
S306 – U-231 PLATFORMING UNIT; S307 – U-240 UNICRACKING UNIT;
S308 – U-244 REFORMING UNIT; S309 – U-248 UNISAR UNIT;
S318 – U-76 GASOLINE / MID-BARREL BLENDING UNIT;
S319 – U-215 GASOLINE FRACTIONATING UNIT;
S322 – U-40 RAW MATERIALS RECEIVING; S435 – REFORMATE SPLITTER;
S436 – DEISOPENTANIZER; S437 – HYDROGEN PLANT;
S460 – U-250 ULSD HYDROTREATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 2	**Organic Compounds – Miscellaneous Operations (6/15/94)** **APPLICABLE TO S307 ONLY**		
8-2-301	Miscellaneous Operations: emissions shall not exceed 15 lb/day and 300 ppm carbon on a dry basis	Y	

IV. Source Specific Applicable Requirements

Table IV – N
Source-specific Applicable Requirements – Process Vessels
S304 –U-229 LIGHT NAPHTHA HYDROTREATER;
S305 – U-230 PREFRACTIONATOR / NAPHTHA HYDROTREATER;
S306 – U-231 PLATFORMING UNIT; S307 – U-240 UNICRACKING UNIT;
S308 – U-244 REFORMING UNIT; S309 – U-248 UNISAR UNIT;
S318 – U-76 GASOLINE / MID-BARREL BLENDING UNIT;
S319 – U-215 GASOLINE FRACTIONATING UNIT;
S322 – U-40 RAW MATERIALS RECEIVING; S435 – REFORMATE SPLITTER;
S436 – DEISOPENTANIZER; S437 – HYDROGEN PLANT;
S460 – U-250 ULSD HYDROTREATER

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

IV. Source Specific Applicable Requirements

Table IV – N
Source-specific Applicable Requirements – Process Vessels
S304 –U-229 LIGHT NAPHTHA HYDROTREATER;
S305 – U-230 PREFRACTIONATOR / NAPHTHA HYDROTREATER;
S306 – U-231 PLATFORMING UNIT; S307 – U-240 UNICRACKING UNIT;
S308 – U-244 REFORMING UNIT; S309 – U-248 UNISAR UNIT;
S318 – U-76 GASOLINE / MID-BARREL BLENDING UNIT;
S319 – U-215 GASOLINE FRACTIONATING UNIT;
S322 – U-40 RAW MATERIALS RECEIVING; S435 – REFORMATE SPLITTER;
S436 – DEISOPENTANIZER; S437 – HYDROGEN PLANT;
S460 – U-250 ULSD HYDROTREATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	process unit turnaround, and retained for at least 2 years and made available to the District on demand during inspections:		
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	
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) [APPLICABLE TO S306 AND S308 ONLY]**	Y	
BAAQMD Condition 6671	**APPLICABLE TO S307 ONLY**		
Part 1	Abatement requirement for E-421 condenser vent at A50 scrubber [Basis: Regulation 8-2-301]	Y	
Part 2	Efficiency requirement for A50 scrubber raw material throughput [Basis: Regulation 8-2-301]	Y	
Part 3	Requirement to treat A50 blowdown at wastewater treatment plant [Basis: Cumulative Increase]	Y	
Part 4	Daily A50 monitoring requirement [Basis: Cumulative Increase]	Y	
Part 5	Monitoring record requirement [Basis: Cumulative Increase]	Y	
Part 6	Annual source test requirement [Basis: Regulation 2-6-409.2]		
BAAQMD Condition 20989, Part A	Throughput limits for S305, S306, S307, S435, S436, S437 [Basis: 2-1-234.3]	Y	
BAAQMD Condition	Throughput limits for S308, S309, S318, S319 [Basis: 2-1-234.3]	N	

IV. Source Specific Applicable Requirements

Table IV – N
Source-specific Applicable Requirements – Process Vessels
S304 –U-229 LIGHT NAPHTHA HYDROTREATER;
S305 – U-230 PREFRACTIONATOR / NAPHTHA HYDROTREATER;
S306 – U-231 PLATFORMING UNIT; S307 – U-240 UNICRACKING UNIT;
S308 – U-244 REFORMING UNIT; S309 – U-248 UNISAR UNIT;
S318 – U-76 GASOLINE / MID-BARREL BLENDING UNIT;
S319 – U-215 GASOLINE FRACTIONATING UNIT;
S322 – U-40 RAW MATERIALS RECEIVING; S435 – REFORMATE SPLITTER;
S436 – DEISOPENTANIZER; S437 – HYDROGEN PLANT;
S460 – U-250 ULSD HYDROTREATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
20989, Part A			
BAAQMD Condition 21094	**APPLICABLE TO S460 ONLY**		
Part 1	Daily throughput limit [Basis: Regulation 2-1-234]	Y	
Part 2	Throughput records [Basis: Regulation 2-1-234]	Y	
BAAQMD Condition 21095	**APPLICABLE TO S304 ONLY**		
Part 1	Daily throughput limit [Basis: 2-1-234]	Y	
Part 2	Daily throughput records [Basis: 2-1-234]	Y	
BAAQMD Condition 21099	**APPLICABLE TO S304, S460 ONLY**		
Part 1	Light hydrocarbon control valve requirements [Basis: BACT]	Y	
Part 2	Light hydrocarbon flange/connector requirements [Basis: BACT]	Y	
Part 3	Centrifugal compressor requirements [Basis: BACT]	Y	
Part 4	Light hydrocarbon centrifugal pump requirements [Basis: BACT]	Y	
Part 5	Monitoring and repair program requirement [Basis: BACT]	Y	
Part 6	ULSD project component count report requirement [Basis: BACT, Cumulative Increase, Toxic Management Policy]	Y	
BAAQMD Condition 22549	**[APPLICABLE TO S318 ONLY]**		
Part 1	Daily petroleum liquid throughput limit excluding diesel [Cumulative Increase]	Y	

IV. Source Specific Applicable Requirements

Table IV – N
Source-specific Applicable Requirements – Process Vessels
S304 –U-229 LIGHT NAPHTHA HYDROTREATER;
S305 – U-230 PREFRACTIONATOR / NAPHTHA HYDROTREATER;
S306 – U-231 PLATFORMING UNIT; S307 – U-240 UNICRACKING UNIT;
S308 – U-244 REFORMING UNIT; S309 – U-248 UNISAR UNIT;
S318 – U-76 GASOLINE / MID-BARREL BLENDING UNIT;
S319 – U-215 GASOLINE FRACTIONATING UNIT;
S322 – U-40 RAW MATERIALS RECEIVING; S435 – REFORMATE SPLITTER;
S436 – DEISOPENTANIZER; S437 – HYDROGEN PLANT;
S460 – U-250 ULSD HYDROTREATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 2	Daily records of petroleum liquid throughput limit [Cumulative Increase]	Y	

Table IV - O
Source-specific Applicable Requirements
S350 – 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 Compounds – 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 Compounds – Process Vessel Depressurization (1/21/2004)**		
8-10-301	Depressurization Control Options	N	
8-10-302	Opening of Process Vessels	N	
8-10-302.1	organic compounds cannot exceed 10,000 ppm (methane) prior to release to atmosphere	N	
8-10-302.2	Organic compound concentration of a refinery process vessel may exceed 10,000 ppm prior to release to atmosphere provided total number of such vessels during 5-year period does not exceed 10%	N	
8-10-401	Turnaround Records. Annual report due February 1 of each year with initial report of process vessels due 4/1/2004.	N	

IV. Source Specific Applicable Requirements

Table IV - O
Source-specific Applicable Requirements
S350 – U-267 CRUDE DISTILLATION UNIT

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-10-501	Monitoring prior to and during process vessel opening	Y	
8-10-502	Concentration measurement using EPA Method 21	Y	
8-10-503	Recordkeeping	N	
8-10-601	Monitoring Procedures	N	
SIP Regulation 8, Rule 10	**Organic Compounds – Process Vessel Depressurization (7/20/83)**		
8-10-301	Process Vessel Depressurizing. 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	Crude analysis requirement [Basis: Cumulative Increase]	Y	
Part 2	Daily crude feed limits [Basis: Cumulative Increase]	Y	
Part 3a	Daily recordkeeping requirements [Basis: Cumulative Increase]	Y	
Part 3b	Records of sulfur content of crude feed [Basis: Cumulative Increase]	Y	
Part 4	Requirement for water seals [Basis: toxics, cumulative increase]	Y	
BAAQMD Condition 21099			
Part 1	Light hydrocarbon control valve requirements [Basis: BACT]	Y	

IV. Source Specific Applicable Requirements

Table IV - O
Source-specific Applicable Requirements
S350 – U-267 CRUDE DISTILLATION UNIT

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 2	Light hydrocarbon flange/connector requirements [Basis: BACT]	Y	
Part 3	Centrifugal compressor requirements [Basis: BACT]	Y	
Part 4	Light hydrocarbon centrifugal pump requirements [Basis: BACT]	Y	
Part 5	Monitoring and repair program requirement [Basis: BACT]	Y	
Part 6	ULSD project component count report requirement [Basis: BACT, Cumulative Increase, Toxic Management Policy]	Y	

IV. Source Specific Applicable Requirements

Table IV - P
Source-specific Applicable Requirements
S432 – U-215 DEISOBUTANIZER

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

IV. Source Specific Applicable Requirements

Table IV - P
Source-specific Applicable Requirements
S432 – U-215 DEISOBUTANIZER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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 S432 [Basis: 2-1-234.3]	Y	

Table IV – Q.1
Source-specific Applicable Requirements
S352 - COMBUSTION TURBINE
S353 - COMBUSTION TURBINE
S354 - COMBUSTION TURBINE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 1	**General Provisions and Definitions (7/17/06)**		
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		
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	

IV. Source Specific Applicable Requirements

Table IV – Q.1
Source-specific Applicable Requirements
S352 - COMBUSTION TURBINE
S353 - COMBUSTION TURBINE
S354 - COMBUSTION TURBINE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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 (7/19/06)**		
2-1-403	Permit conditions-measurement of emissions	N	
2-1-501	Monitors	Y	
SIP Regulation 2, Rule 1	PROVISIONS NO LONGER IN CURRENT RULE **Permits, General Requirements (1/26/99 {adopted 11/01/89})**		
2-1-403	Permit conditions-measurement of emissions	Y-note 1	
BAAQMD Manual of Procedures, Volume V	**Continuous Emission Monitoring Policy and Procedures (1/20/82)**	Y	
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	

IV. Source Specific Applicable Requirements

Table IV – Q.1
Source-specific Applicable Requirements
S352 - COMBUSTION TURBINE
S353 - COMBUSTION TURBINE
S354 - COMBUSTION TURBINE

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

IV. Source Specific Applicable Requirements

Table IV – Q.1
Source-specific Applicable Requirements
S352 - COMBUSTION TURBINE
S353 - COMBUSTION TURBINE
S354 - COMBUSTION TURBINE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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 S352 and S355 at A13 [Basis: BACT, Cumulative Increase]	Y	
Part 4	Abatement requirement for S353 and S356 at A14 [Basis: BACT, Cumulative Increase]	Y	
Part 5	Abatement requirement for S354 and S357 at A15 [Basis: BACT, 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	
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	

IV. Source Specific Applicable Requirements

Table IV – Q.1
Source-specific Applicable Requirements
S352 - COMBUSTION TURBINE
S353 - COMBUSTION TURBINE
S354 - COMBUSTION TURBINE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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	
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 MMbtu/hr firing rate limit for each of 3 turbine/duct burner sets	Y	
Part IX.D.3	1048 MMbtu/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	

IV. Source Specific Applicable Requirements

Table IV – Q.1
Source-specific Applicable Requirements
S352 - COMBUSTION TURBINE
S353 - COMBUSTION TURBINE
S354 - COMBUSTION TURBINE

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

Table IV – Q.2
Source-specific Applicable Requirements
S355 – SUPPLEMENTAL DUCT BURNERS FOR S352
S356 – SUPPLEMENTAL DUCT BURNERS FOR S353
S357 – SUPPLEMENTAL DUCT BURNERS FOR S354

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 1	**General Provisions and Definitions (7/17/06)**		
1-107	Combination of Emissions	Y	
1-520	Continuous Emission Monitoring	Y	

IV. Source Specific Applicable Requirements

Table IV – Q.2
Source-specific Applicable Requirements
S355 – SUPPLEMENTAL DUCT BURNERS FOR S352
S356 – SUPPLEMENTAL DUCT BURNERS FOR S353
S357 – SUPPLEMENTAL DUCT BURNERS FOR S354

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
1-520.8	Monitors pursuant to Regulation 2-1-403	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	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation	Y	
BAAQMD Regulation 2, Rule 1	**Regulation 2, Rule 1 - Permits, General Requirements (7/19/06)**		
2-1-403	Permit conditions-measurement of emissions	N	
2-1-501	Monitors	Y	
SIP Regulation 2, Rule 1	PROVISIONS NO LONGER IN CURRENT RULE **Permits, General Requirements (1/26/99 {adopted 11/01/89})**		
2-1-403	Permit conditions-measurement of emissions	Y-note 1	
BAAQMD Manual of Procedures,	**Continuous Emission Monitoring Policy and Procedures (1/20/82)**	Y	

IV. Source Specific Applicable Requirements

Table IV – Q.2
Source-specific Applicable Requirements
S355 – SUPPLEMENTAL DUCT BURNERS FOR S352
S356 – SUPPLEMENTAL DUCT BURNERS FOR S353
S357 – SUPPLEMENTAL DUCT BURNERS FOR S354

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)**		
9-10-110.3	Exemption: Waste heat recovery boilers associated with gas turbines	Y	
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	
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	

IV. Source Specific Applicable Requirements

Table IV – Q.2
Source-specific Applicable Requirements
S355 – SUPPLEMENTAL DUCT BURNERS FOR S352
S356 – SUPPLEMENTAL DUCT BURNERS FOR S353
S357 – SUPPLEMENTAL DUCT BURNERS FOR S354

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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 MMbtu/hr heat input capacity or less	Y	
60.48b(g)(1)	NOx CEM requirements for units with 250 MMbtu/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 MMbtu/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	
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	Y	

IV. Source Specific Applicable Requirements

Table IV – Q.2
Source-specific Applicable Requirements
S355 – SUPPLEMENTAL DUCT BURNERS FOR S352
S356 – SUPPLEMENTAL DUCT BURNERS FOR S353
S357 – SUPPLEMENTAL DUCT BURNERS FOR S354

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	combustion		
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 S352 and S355 at A13 [Basis: BACT, Cumulative Increase]	Y	
Part 4	Abatement requirement for S353 and S356 at A14 [Basis: BACT, Cumulative Increase]	Y	
Part 5	Abatement requirement for S354 and S357 at A15 [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	
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	

IV. Source Specific Applicable Requirements

Table IV – Q.2
Source-specific Applicable Requirements
S355 – SUPPLEMENTAL DUCT BURNERS FOR S352
S356 – SUPPLEMENTAL DUCT BURNERS FOR S353
S357 – SUPPLEMENTAL DUCT BURNERS FOR S354

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 14	Annual POC source test [Basis: Regulation 2-6-409.2]	Y	
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 MMbtu/hr firing rate limit for each of 3 turbine/duct burner sets	Y	
Part IX.D.3	1048 MMbtu/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	total sulfur concentration in each fuel gas sample	Y	

IV. Source Specific Applicable Requirements

Table IV – Q.2
Source-specific Applicable Requirements
S355 – SUPPLEMENTAL DUCT BURNERS FOR S352
S356 – SUPPLEMENTAL DUCT BURNERS FOR S353
S357 – SUPPLEMENTAL DUCT BURNERS FOR S354

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
IX.G.3.a.(1)			
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.

Table IV - R
Source-specific Applicable Requirements
S376 - TOOL ROOM COLD CLEANER
S377 – MACHINE SHOP COLD CLEANER
S378 – 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	

IV. Source Specific Applicable Requirements

Table IV - R
Source-specific Applicable Requirements
S376 - TOOL ROOM COLD CLEANER
S377 – MACHINE SHOP COLD CLEANER
S378 – AUTO SHOP COLD CLEANER

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

IV. Source Specific Applicable Requirements

Table IV - R
Source-specific Applicable Requirements
S376 - TOOL ROOM COLD CLEANER
S377 – MACHINE SHOP COLD CLEANER
S378 – AUTO SHOP COLD CLEANER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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 S376, S377 and S378 shall not exceed 150 gallons each in any consecutive 12-month period. [Basis: Cumulative Increase]	Y	
Part 2	Criteria for using solvents other than 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
S425 – MARINE LOADING BERTH M1
S426 – 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 Tank Vessel Operations (12/7/05)**		
8-44-110	Exemption: loading events	N	
8-44-111	Exemption: marine vessel fueling	N	
8-44-115	Exemption, Safety/Emergency Operations	N	
8-44-116	Limited Exemption, Equipment Leaks	N	
8-44-301	Limitations on Marine Tank Vessel Loading and Lightering (until 1/1/07, applies to all gasoline, gasoline blending stocks, aviation gas, JP-4 fuel and crude oil)	N	
8-44-301	Limitations on Marine Tank Vessel Loading and Lightering (after 1/1/07, applies to all gasoline, gasoline blending stocks, aviation gas, JP-4 fuel and crude oil and any other organic compound or mixture of organic compounds that exists as a liquid at actual conditions of use or storage that has a flash point less than 100 degrees F)	N	1/1/07
8-44-302	Limitations on Marine Tank Vessel Ballasting (until 1/1/07, applies to all gasoline, gasoline blending stocks, aviation gas, JP-4 fuel and crude oil)	N	
8-44-302	Limitations on Marine Tank Vessel Ballasting (after 1/1/07, applies to all gasoline, gasoline blending stocks, aviation gas, JP-4 fuel and crude oil and any other organic compound or mixture of organic compounds that exists as a liquid at actual conditions of use or storage that has a flash point less than 100 degrees F)	N	1/1/07
8-44-303	Limitations on Marine Tank Vessel Venting (until 1/1/07, applies to all gasoline, gasoline blending stocks, aviation gas, JP-4 fuel and crude oil)	N	
8-44-303	Limitations on Marine Tank Vessel Venting (after 1/1/07, applies to all gasoline, gasoline blending stocks, aviation gas, JP-4 fuel and crude oil and any other organic compound or mixture of organic compounds that exists as a liquid at actual conditions of use or storage that has a flash point less than 100 degrees F)	N	1/1/07
8-44-304	Emission Control Requirements	N	
8-44-305	Equipment Leaks	N	
8-44-305.2	Leak requirements for marine vessels	N	
8-44-305.3	Inspection requirements during operation	N	1/1/07

IV. Source Specific Applicable Requirements

Table IV - S
Source-specific Applicable Requirements
S425 – MARINE LOADING BERTH M1
S426 – MARINE LOADING BERTH M2

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-44-305.4	Tagging, minimization, and repair requirements	N	
8-44-403	Notifications Regarding Safety/Emergency Exemption	N	
8-44-404	Notifications for Operations Conducted Other Than at Marine Terminals	N	
8-44-501	Recordkeeping	N	
8-44-501.1	Records for loading events	N	
8-44-501.1.1	Name of vessel	N	
8-44-501.1.2	Owner, country, operator, and agent	N	
8-44-501.1.3	Arrival and departure	N	
8-44-501.1.4	Tank identifying designation, type, and amount	N	
8-44-501.1.5	Flash point and temperature	N	1/1/07
8-44-501.1.6	Prior cargo	N	
8-44-501.1.7	Source of flash point data and copy of source document or analysis	N	
8-44-501.1.8	Condition of each tank	N	
8-44-501.1.9	Means used to comply with 8-44-304	N	
8-44-501.1.10	Date and time of inspections, identification equipment	N	1/1/07
8-44-501.2	Records for ballasting operations	N	
8-44-501.2.1.	Information in 8-44-501.1.1 through 8-44-501.1.3	N	
8-44-501.2.2	Tank identifying designation, amount of ballast water	N	
8-44-501.2.3	Prior cargo	N	
8-44-501.2.4	Means used to comply with 8-44-302	N	
8-44-501.2.5	Date and time of inspections, identification equipment	N	1/1/07
8-44-501.3	Records for venting operations	N	
8-44-501.3.1	Information in 8-44-501.1.1 through 8-44-501.1.3	N	
8-44-501.3.2	Tank identifying designation, prior cargo	N	
8-44-501.3.3	Activity leading to venting	N	
8-44-501.3.4	Means used to comply with 8-44-303	N	
8-44-501.3.5	Date and time of inspections, identification equipment	N	1/1/07
8-44-502	Record Keeping – Marine Tank Vessels	N	1/1/07
8-44-503	Record Keeping – Exemptions	N	
8-44-504	Burden of Proof	N	
8-44-603	Leak Determinations	N	
8-44-604	Flash Point Determinations	N	

IV. Source Specific Applicable Requirements

Table IV - S
Source-specific Applicable Requirements
S425 – MARINE LOADING BERTH M1
S426 – MARINE LOADING BERTH M2

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
SIP Regulation 8, Rule 44	**Organic Compounds-Marine Vessel Loading Terminals (8/30/93)**	**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 60 Subpart A	**General Provisions (03/16/1994)**		
60.13	Monitoring Requirements	Y	
60.13(i)	Approval of Alternative Monitoring	Y	
NSPS	**Standards of Performance for Petroleum Refineries (7/1/00)**		

IV. Source Specific Applicable Requirements

Table IV - S
Source-specific Applicable Requirements
S425 – MARINE LOADING BERTH M1
S426 – MARINE LOADING BERTH M2

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(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	
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	
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	A420 oxidizer temperature requirements [Basis: Cumulative Increase]	Y	
Part 2	Monitoring requirements [Basis: Cumulative Increase]	Y	
Part 3	Prohibition against loading without A420 in service [Basis: Cumulative Increase]	Y	
Part 4	Leak test requirement [Basis: Cumulative Increase]	Y	

IV. Source Specific Applicable Requirements

Table IV - S
Source-specific Applicable Requirements
S425 – MARINE LOADING BERTH M1
S426 – MARINE LOADING BERTH M2

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 5	Maximum loading pressure relative to relief valve setpoint [Basis: Cumulative Increase]	Y	
Part 6a	Throughput limit for regulated materials [Basis: Cumulative Increase]	Y	
Part 6b	Maximum loading rate [Basis: Cumulative Increase]	Y	
Part 7	Limit on receipts of crude oil via tanker (ship) [Cumulative increase]	Y	
Part 8	Recordkeeping requirement [Basis: Cumulative Increase]	Y	
Part 9	Destruction efficiency [Basis: BACT]	Y	
Part 10	Alternative monitoring for compliance with 40 CFR 60.104(a)(1) H2S limit [40 CFR 60.13(i), BAAQMD Regulation 2-6-501]	Y	

Table IV - T
Source-specific Applicable Requirements
S450 – 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	

IV. Source Specific Applicable Requirements

Table IV – U
Source-specific Applicable Requirements
S1001 - SULFUR PLANT UNIT 234 , S1002 - SULFUR PLANT UNIT 236
S1003 - SULFUR PLANT UNIT 238, S301 - MOLTEN SULFUR PIT 234
S302 - MOLTEN SULFUR PIT 236 AND S303 - 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)	N	
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	
SIP Regulation 9, Rule 1	**Inorganic Gaseous Pollutants – Sulfur Dioxide (6/8/99)**		
9-1-313	Sulfur Removal Operations at Petroleum Refineries (processing more than 20,000 bbl/day of crude oil)	Y	
9-1-313.2	operation of a sulfur removal and recovery system that removes and recovers: 95% of H2S from refinery fuel gas, 95% of H2S and ammonia from process water streams	Y – 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**	
BAAQMD Condition 19278			
Part 3	Annual source test to verify SO3 and H2SO4 exhaust	Y	

IV. Source Specific Applicable Requirements

Table IV – U
Source-specific Applicable Requirements
S1001 - SULFUR PLANT UNIT 234 , S1002 - SULFUR PLANT UNIT 236
S1003 - SULFUR PLANT UNIT 238, S301 - MOLTEN SULFUR PIT 234
S302 - MOLTEN SULFUR PIT 236 AND S303 - MOLTEN SULFUR PIT 238

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	concentrations. [Basis: Regulation 6-330]		
Part 4	Visible emissions monitoring for particulate [Basis: Regulation 2-6-503]	Y	
BAAQMD Condition 20989, Part A	Throughput limits for sources S1001, S1002, S1003, S301, S302, S303 [Basis: 2-1-234.3]	N	
BAAQMD Condition 21099	**APPLICABLE TO S1002, S1003 ONLY**		
Part 1	Light hydrocarbon control valve requirements [Basis: BACT]	Y	
Part 2	Light hydrocarbon flange/connector requirements [Basis: BACT]	Y	
Part 3	Centrifugal compressor requirements [Basis: BACT]	Y	
Part 4	Light hydrocarbon centrifugal pump requirements [Basis: BACT]	Y	
Part 5	Monitoring and repair program requirement [Basis: BACT]	Y	
Part 6	ULSD project component count report requirement [Basis: BACT, Cumulative Increase, Toxic Management Policy]	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 – V
Source-specific Applicable Requirements
S370 – ISOMERIZATION UNIT 228

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

IV. Source Specific Applicable Requirements

Table IV – V
Source-specific Applicable Requirements
S370 – ISOMERIZATION UNIT 228

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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 S370 [Basis: 2-1-234.3]	Y	

Table IV – W
Source-specific Applicable Requirements
S380 – 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	
Part 2b	Baghouse differential pressure monitoring requirement [Basis: Regulation 1-441]	Y	
Part 3	Differential pressure recordkeeping requirement [Basis: Regulation 1-441]	Y	
BAAQMD Condition 20989, Part	Throughput limits for S380 [Basis: 2-1-234.3]	Y	

IV. Source Specific Applicable Requirements

Table IV – W
Source-specific Applicable Requirements
S380 – ACTIVATED CARBON SILO (P-204)

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

Table IV – X
Source-specific Applicable Requirements
S389 – 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	
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	
Part 2c	Baghouse differential pressure monitoring requirement [Basis: Regulation 1-441]	Y	
Part 3	Differential pressure recordkeeping requirement [Basis: Regulation 1-441]	Y	
BAAQMD Condition 20989, Part A	Throughput limits for S389 [Basis: 2-1-234.3]	Y	

IV. Source Specific Applicable Requirements

Table IV – Y
Source-specific Applicable Requirements
S462 – U-215 FUEL GAS CAUSTIC TREATMENT SYSTEM
S463 – U-215 BUTANE CAUSTIC TREATMENT SYSTEM

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Condition 20989, Part A	Throughput limits for S462, S463 [Basis: 2-1-234.3]	Y	startup date
BAAQMD Condition 21099			
Part 1	Light hydrocarbon control valve requirements [Basis: BACT]	Y	startup date
Part 2	Light hydrocarbon flange/connector requirements [Basis: BACT]	Y	startup date
Part 3	Centrifugal compressor requirements [Basis: BACT]	Y	startup date
Part 4	Light hydrocarbon centrifugal pump requirements [Basis: BACT]	Y	startup date
Part 5	Monitoring and repair program requirement [Basis: BACT]	Y	startup date
Part 6	ULSD project component count report requirement [Basis: BACT, Cumulative Increase, Toxic Management Policy]	Y	startup date

IV. Source Specific Applicable Requirements

Table IV- AA
Fugitive Sources: Applicable Requirements

Process Unit	BAAQMD Regulation 8, Rule 18	BAAQMD Regulation 8, Rule 28	NSPS Part 60, Subpart GGG; BAAQMD Regulation 10, Rule 59	NSPS Part 60, Subpart QQQ; BAAQMD Regulation 10, Rule 69	NSPS Part 60, Subpart VV; BAAQMD Regulation 10, Rule 52	NESHAPS Part 61, Subpart J	NESHAPS Part 61, Subpart FF; BAAQMD Regulation 11, Rule 12	NESHAPS Part 61, Subpart V; BAAQMD Regulation 11, Rule 7	NESHAPS Part 63, Subpart CC
Refinery-wide applicability	**Y**	**Y**	**N**	**N**	**N**	**N**	**Report only**	**N**	**Y**
Specific Unit applicability									
U76 Gasoline/Mid Barrel Blending Unit (S318)	**Y**	**N**	**Y**	**N**	**Y**	**N**	**N**	**N**	**Y**
Unit 267 (S350)	**Y**	**Y**	**Y**	**N**	**Y**	**N**	**N**	**N**	**Y**
Unit 228 (S370)	**Y**	**Y**	**Y**	**N**	**Y**	**N**	**N**	**N**	**Y**
Hydrogen Manufacturing Unit (S437)	**Y**	**Y**	**Y**	**N**	**Y**	**N**	**N**	**N**	**Y**
Unit 100 (S195, S196, S324, S388, S1007)	**Y**	**Y**	**N**	**Y**	**N**	**N**	**N**	**N**	**Y**
Unit 233 (S338)	**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, Rule 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	Y	
8-18-406	Interim Compliance	Y	
8-18-501	Portable Hydrocarbon Detector	Y	
8-18-502	Records	Y	
BAAQMD Regulation 8, Rule 28	**Episodic Releases From Pressure Relief Devices at Petroleum Refineries and Chemical Plants (3/18/98)**		
8-28-100	General/Applicability	Y	
8-28-200	Definitions	Y	
8-28-302	Pressure Relief Devices at New or Modified Sources at Petroleum Refineries	Y	
8-28-303	Pressure Relief Devices at Existing Sources at Petroleum Refineries	Y	
8-28-304	Repeat Releases - Pressure Relief Devices at Petroleum Refineries	Y	
8-28-401	Reporting at Petroleum Refineries and Chemical Plants	Y	
8-28-402	Inspection	Y	
8-28-403	Records	Y	
8-28-404	Identification	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
8-28-405	Prevention Measures Procedures	Y	
NSPS, Subpart VV, applies to the S350 crude unit, S370 isomerization unit, S437 hydrogen plant			
40 CFR 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(c)	Pump leak repair period	Y	
60.482-2(d)	Requirements for Dual-Mechanical seal pump	Y	
60.482-2(e)	No detectable emission designation: <500 ppm	Y	
60.482-2(f)	Requirements for Closed Vent Systems	Y	
60.482-3	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(d)	Valve leak repair period	Y	
60.482-7(e)	Methods for first attempts or minimizing valve 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
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, pressure relief devices in light liquid or heavy liquid service, and connectors	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	
60.482-9(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	
60.483-1, 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	
NSPS, Subpart GGG, applies to the S350 crude unit, S370 isomerization unit, S437 hydrogen plant			
40 CFR 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)**		
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	

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, Subpart QQQ, applies to the S1007 dissolved air flotation unit and the S324 DAF unit.			
40 CFR 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)**		
60.690	Applicability	Y	
60.691	Definitions	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	
40 CFR 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	
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(d)	New sources	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	

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 – BB.1
Source-Specific Applicable Requirements
NSPS Kb Low Vapor Pressure Permitted Wastewater Sludge Tanks with Vapor Recovery to Fuel Gas
S433 (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	
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	
40 CFR 60, Subpart Kb	**Standards of Performance for Storage Vessels for Volatile Organic Liquid Storage Vessels for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984 (12/14/2000) REQUIREMENTS FOR RECORDKEEPING ONLY**		
60.110b(a)	Applicability and Designation of Affected Facility; Volatile organic liquid storage vessels > or = to 40 cu m, after 7/23/1984	Y	
60.110b(c)	Applicability and Designation of Affected Facility; Exemptions for storage vessels > or = to 75 cu m	Y	
60.116b(a)	Monitoring of Operations; Record retention	Y	
60.116b(b)	Monitoring of Operations; Permanent record requirements	Y	
60.116b(e)	Monitoring of Operations; Determine TVP	Y	
60.116b(e)(3)	Monitoring of Operations; Determine TVP-other liquids	Y	
60.116b(f)	Monitoring of Operations; Waste storage tanks (indeterminate or variable composition)	Y	
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	
40 CFR 60, Subpart QQQ	**Standards of Performance for VOC Emissions from Petroleum Refinery Wastewater Systems (8/18/95) REQUIREMENTS FOR FIXED ROOF TANKS ROUTED TO FUEL GAS**		
60.690(a)(1)	Applicability and Designation of Affected Facility	Y	

IV. Source Specific Applicable Requirements

Table IV – BB.1
Source-Specific Applicable Requirements
NSPS Kb Low Vapor Pressure Permitted Wastewater Sludge Tanks with Vapor Recovery to Fuel Gas
S433 (F224-MOSC)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.690(a)(3)	Applicability and Designation of Affected Facility	Y	
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	
60.692-1	Standards: General	Y	
60.692-1(a)	Standards: General	Y	
60.692-1(b)	Standards: General	Y	
60.692-3	Standards: Oil-Water Separators (includes storage vessels)	Y	
60.692-3(a)	Standards: Oil-Water Separators (includes storage vessels)	Y	
60.692-3(a)(1)	Standards: Oil-Water Separators (includes storage vessels)	Y	
60.692-3(a)(2)	Standards: Oil-Water Separators (includes storage vessels)	Y	
60.692-3(a)(3)	Standards: Oil-Water Separators (includes storage vessels)	Y	
60.692-3(a)(4)	Standards: Oil-Water Separators (includes storage vessels)	Y	
60.692-3(a)(5)	Standards: Oil-Water Separators (includes storage vessels)	Y	
60.692-3(f)	Standards: Oil-Water Separators (includes storage vessels)	Y	
60.692-6	Standards: Delay of Repair	Y	
60.692-6(a)	Standards: Delay of Repair	Y	
60.692-6(b)	Standards: Delay of Repair	Y	
60.697	Recordkeeping Requirements	Y	
60.697(a)	Recordkeeping Requirements	Y	
60.697(c)	Recordkeeping Requirements	Y	
60.697(e)(1)	Recordkeeping Requirements	Y	
60.697(e)(2)	Recordkeeping Requirements	Y	
60.697(e)(3)	Recordkeeping Requirements	Y	
60.697(e)(4)	Recordkeeping Requirements	Y	
60.697(f)(1)	Recordkeeping Requirements	Y	
60.697(f)(2)	Recordkeeping Requirements	Y	
60.698(c)	Reporting Requirements	Y	
40 CFR 63, Subpart CC	**National Emission Standards for Hazardous Air Pollutants for Petroleum Refining (8/18/95) REQUIREMENTS FOR EMISSION POINTS ROUTED TO FUEL GAS**		
63.640(c)(2)	Applicability and Designation of Storage Vessels	Y	
63.640(d)(5)	Exemption for emission points routed to fuel gas system	Y	
BAAQMD Condition 7353	**APPLICABLE TO S433**		
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	

IV. Source Specific Applicable Requirements

Table IV – BB.1
Source-Specific Applicable Requirements
NSPS Kb Low Vapor Pressure Permitted Wastewater Sludge Tanks with Vapor Recovery to Fuel Gas
S433 (F224-MOSC)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 5	Weekly throughput records [Basis: Recordkeeping]	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	

Table IV – BB.2
Source-Specific Applicable Requirements
Low Vapor Pressure Permitted Tanks Subject to MACT Recordkeeping
S118 (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	
40 CFR 63, Subpart G	**SOCMI HON G (01/27/1995) REQUIREMENTS FOR GROUP 2 RECORDKEEPING ONLY**		
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	
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	
40 CFR 63, Subpart CC	**National Emission Standards for Hazardous Air Pollutants for Petroleum Refining (8/18/95) REQUIREMENTS FOR GROUP 2 RECORDKEEPING ONLY**		
63.640(c)(2)	Applicability and Designation of Storage Vessels	Y	
63.646(b)(1)	Storage Vessel Provisions-Determine stored liquid % OHAP for group determination	Y	
63.646(b)(2)	Storage Vessel Provisions-Determine stored liquid % OHAP-method 18 to resolve disputes	Y	
63.654(h)(6)	Reporting and Recordkeeping Requirements-Other reports-Determination of Applicability	Y	
63.654(h)(6)(ii)	Reporting and Recordkeeping Requirements-Other reports-Determination of Applicability	Y	
63.654(i)(1)	Reporting and Recordkeeping Requirements-Recordkeeping for storage	Y	

IV. Source Specific Applicable Requirements

Table IV – BB.2
Source-Specific Applicable Requirements
LOW VAPOR PRESSURE PERMITTED TANKS
SUBJECT TO MACT RECORDKEEPING
S118 (TANK 163)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	vessels – Keep records specified in 40 CFR 63.123		
63.654(i)(1)(iv)	Reporting and Recordkeeping Requirements-Recordkeeping for storage vessels – Data and assumptions used to determine Group 2 classification	Y	
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	
Part 2	Record retention requirement [Basis: Regulation 2-6-409.2]	Y	
BAAQMD Condition 20989, Part A	Throughput limits for source S118 [Basis: 2-1-234.3]	N	

Table IV – BB.3
Source-Specific Applicable Requirements
LOW VAPOR PRESSURE PERMITTED TANKS < 10,000 GALLONS
S117 (TANK 162), S193 (TANK 305), S194 (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	
Part 2	Record retention requirement [Basis: Regulation 2-6-409.2]	Y	
BAAQMD Condition 20989, Part A	Throughput limits for sources S117, S193, S194 [Basis: 2-1-234.3]	N	

IV. Source Specific Applicable Requirements

Table IV – BB.4
Source-Specific Applicable Requirements
LOW VAPOR PRESSURE PERMITTED TANKS
VENTED TO FUEL GAS
S238 (TANK 211), S239 (TANK 212)

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 Air Pollutants for Petroleum Refining (8/18/95) REQUIREMENTS FOR EMISSION POINTS ROUTED TO FUEL GAS**		
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)(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 S238, S239 [Basis: 2-1-234.3]	N	

Table IV – BB.5
Source-Specific Applicable Requirements
NSPS KB LOW VAPOR PRESSURE PERMITTED FIXED ROOF
WASTEWATER SLUDGE TANKS
S195 (TANK 501), S196 (TANK 502), S388 (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	

IV. Source Specific Applicable Requirements

Table IV – BB.5
Source-Specific Applicable Requirements
NSPS Kb Low Vapor Pressure Permitted Fixed Roof Wastewater Sludge Tanks
S195 (Tank 501), S196 (Tank 502), S388 (Tank 276/F205)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-8-305	Oil-Water Separator And/Or Air Flotation Unit Slop Oil Vessels	Y	
8-8-504	Monitoring and Records: Portable Hydrocarbon Detector	Y	
8-8-602	Manual of Procedures: Determination of Emissions	Y	
8-8-603	Manual of Procedures: Inspection Procedures	Y	
40 CFR 60, Subpart Kb	**Standards of Performance for Storage Vessels for Volatile Organic Liquid Storage Vessels for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984 (12/14/2000) REQUIREMENTS FOR RECORDKEEPING ONLY**		
60.110b(a)	Applicability and Designation of Affected Facility; Volatile organic liquid storage vessels > or = to 40 cu m, after 7/23/1984	Y	
60.110b(c)	Applicability and Designation of Affected Facility; Exemptions for storage vessels > or = to 75 cu m	Y	
60.116b(a)	Monitoring of Operations; Record retention	Y	
60.116b(b)	Monitoring of Operations; Permanent record requirements	Y	
60.116b(d)	Monitoring of Operations; 30-day notification for TVP exceedances	Y	
60.116b(e)	Monitoring of Operations; Determine TVP	Y	
60.116b(e)(3)	Monitoring of Operations; Determine TVP-other liquids	Y	
60.116b(f)	Monitoring of Operations; Waste storage tanks (indeterminate or variable composition)	Y	
40 CFR 60, Subpart QQQ	**Standards of Performance for VOC Emissions from Petroleum Refinery Wastewater Systems (8/18/95) REQUIREMENTS FOR STORAGE VESSELS NOT SUBJECT TO NSPS, Subpart Kb CONTROL REQUIREMENTS (60.112b)**		
60.690(a)(1)	Applicability and Designation of Affected Facility	Y	
60.690(a)(3)	Applicability and Designation of Affected Facility	Y	
60.692-1	Standards: General	Y	
60.692-1(a)	Standards: General	Y	
60.692-1(b)	Standards: General	Y	
60.692-3	Standards: Oil-Water Separators (includes storage vessels)	Y	
60.692-3(a)	Standards: Oil-Water Separators (includes storage vessels)	Y	
60.692-3(a)(1)	Standards: Oil-Water Separators (includes storage vessels)	Y	
60.692-3(a)(2)	Standards: Oil-Water Separators (includes storage vessels)	Y	
60.692-3(a)(3)	Standards: Oil-Water Separators (includes storage vessels)	Y	
60.692-3(a)(4)	Standards: Oil-Water Separators (includes storage vessels)	Y	
60.692-3(a)(5)	Standards: Oil-Water Separators (includes storage vessels)	Y	
60.692-3(f)	Standards: Oil-Water Separators (includes storage vessels)	Y	
60.692-6	Standards: Delay of Repair	Y	
60.692-6(a)	Standards: Delay of Repair	Y	
60.692-6(b)	Standards: Delay of Repair	Y	
60.697	Recordkeeping Requirements	Y	
60.697(a)	Recordkeeping Requirements	Y	
60.697(c)	Recordkeeping Requirements	Y	

IV. Source Specific Applicable Requirements

Table IV – BB.5
Source-Specific Applicable Requirements
NSPS Kb Low Vapor Pressure Permitted Fixed Roof Wastewater Sludge Tanks
S195 (Tank 501), S196 (Tank 502), S388 (Tank 276/F205)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.697(e)(1)	Recordkeeping Requirements	Y	
60.697(e)(2)	Recordkeeping Requirements	Y	
60.697(e)(3)	Recordkeeping Requirements	Y	
60.697(e)(4)	Recordkeeping Requirements	Y	
60.697(f)(1)	Recordkeeping Requirements	Y	
60.697(f)(2)	Recordkeeping Requirements	Y	
60.698(c)	Reporting Requirements	Y	
40 CFR 63, Subpart CC	**National Emission Standards for Hazardous Air Pollutants for Petroleum Refining (8/18/95) REQUIREMENTS FOR TANKS ALSO SUBJECT TO NSPS, Subpart Kb**		
63.640(c)(2)	Applicability and Designation of Storage Vessels	Y	
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	
63.640(n)(8)	Applicability and Designation of Affected Source Overlap for Storage Vessels-Additional requirements for Kb storage vessels	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 source S195, S196, S388 [Basis: 2-1-234.3]	Y	

Table IV – BB.6
Source-Specific Applicable Requirements
MACT (Small) Zero Gap External Floating Roof Tank
S121 (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	Y	

IV. Source Specific Applicable Requirements

Table IV – BB.6
Source-Specific Applicable Requirements
MACT (SMALL) ZERO GAP EXTERNAL FLOATING ROOF TANK
S121 (TANK 166)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	to the APCO; 3 day prior notification		
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	
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	

IV. Source Specific Applicable Requirements

Table IV – BB.6
Source-Specific Applicable Requirements
MACT (SMALL) ZERO GAP EXTERNAL FLOATING ROOF TANK
S121 (TANK 166)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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	
40 CFR 63, Subpart G	**SOCMI HON G (01/27/1995) REQUIREMENTS FOR GROUP 2 RECORDKEEPING ONLY**		
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	

IV. Source Specific Applicable Requirements

Table IV – BB.6
Source-Specific Applicable Requirements
MACT (SMALL) ZERO GAP EXTERNAL FLOATING ROOF TANK
S121 (TANK 166)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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	
40 CFR 63, Subpart CC	**National Emission Standards for Hazardous Air Pollutants for Petroleum Refining (8/18/95) REQUIREMENTS FOR GROUP 2 RECORDKEEPING ONLY**		
63.640(c)(2)	Applicability and Designation of Storage Vessels	Y	
63.646(b)(1)	Storage Vessel Provisions-Determine stored liquid % OHAP for group determination	Y	
63.646(b)(2)	Storage Vessel Provisions-Determine stored liquid % OHAP-method 18 to resolve disputes	Y	
63.654(i)(1)	Reporting and Recordkeeping Requirements-Recordkeeping for storage vessels – Keep records specified in 40 CFR 63.123	Y	
63.654(i)(1)(iv)	Reporting and Recordkeeping Requirements-Recordkeeping for storage vessels – Data and assumptions used to determine Group 2 classification	Y	
63.654(i)(4)	Reporting and Recordkeeping Requirements-Recordkeeping--Record retention – 5 years	Y	
BAAQMD Condition 20989, Part A	Throughput limits for source S121 [Basis: 2-1-234.3]	N	

Table IV – BB.7
Source-Specific Applicable Requirements
NSPS KB ZERO GAP EXTERNAL FLOATING ROOF TANKS
S439 (TANK 109), S440 (TANK 110), S442 (TANK 112), S444 (TANK 243), S451 (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;	Y	

IV. Source Specific Applicable Requirements

Table IV – BB.7
Source-Specific Applicable Requirements
NSPS Kb Zero gap External Floating Roof Tanks
S439 (Tank 109), S440 (Tank 110), S442 (Tank 112), S444 (Tank 243), S451 (Tank 695)

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

IV. Source Specific Applicable Requirements

Table IV – BB.7
Source-Specific Applicable Requirements
NSPS Kb Zero gap External Floating Roof Tanks
S439 (Tank 109), S440 (Tank 110), S442 (Tank 112), S444 (Tank 243), S451 (Tank 695)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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 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	
40 CFR 60, Subpart Kb	**Standards of Performance for Storage Vessels for Volatile Organic Liquid Storage Vessels for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984**		

IV. Source Specific Applicable Requirements

Table IV – BB.7
Source-Specific Applicable Requirements
NSPS Kb Zero gap External Floating Roof Tanks
S439 (Tank 109), S440 (Tank 110), S442 (Tank 112), S444 (Tank 243), S451 (Tank 695)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	(12/14/2000) REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS		
60.110b(a)	Applicability and Designation of Affected Facility; Volatile organic liquid storage vessels > or = to 40 cu m, after 7/23/1984	Y	
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	
60.112b(a)(2)	Standard for Volatile Organic Compounds (VOC); External floating roof option	Y	
60.112b(a)(2)(i)	Standard for Volatile Organic Compounds (VOC); External floating roof seal requirements	Y	
60.112b(a)(2)(i)(A)	Standard for Volatile Organic Compounds (VOC); External floating roof primary seal requirements	Y	
60.112b(a)(2)(i)(B)	Standard for Volatile Organic Compounds (VOC); External floating roof secondary seal requirements	Y	
60.112b(a)(2)(ii)	Standard for Volatile Organic Compounds (VOC); External floating roof openings requirements	Y	
60.112b(a)(2)(iii)	Standard for Volatile Organic Compounds (VOC); External floating roof floating requirements	Y	
60.113b(b)(1)	Testing and Procedures; External floating roof seal gap measurement frequency	Y	
60.113b(b)(1)(i)	Testing and Procedures; External floating roof primary seal gaps measurement frequency	Y	
60.113b(b)(1)(ii)	Testing and Procedures; External floating roof secondary seal gaps measurement frequency	Y	
60.113b(b)(1)(iii)	Testing and Procedures; External floating roof reintroduction of VOL	Y	
60.113b(b)(2)	Testing and Procedures; External floating roof seal gap measurement procedures	Y	
60.113b(b)(2)(i)	Testing and Procedures; External floating roof measure seal gaps when roof is floating	Y	
60.113b(b)(2)(ii)	Testing and Procedures; External floating roof measure seal gaps around entire circumference	Y	
60.113b(b)(2)(iii)	Testing and Procedures; External floating roof seal method to determine surface area of seal gaps	Y	
60.113b(b)(3)	Testing and Procedures; External floating roof method to calculate total surface area ratio	Y	
60.113b(b)(4)	Testing and Procedures; External floating roof seal gap repair requirements	Y	
60.113b(b)(4)(i)	Testing and Procedures; External floating roof primary seal gap limitations	Y	
60.113b(b)(4)(i)(A)	Testing and Procedures; External floating roof mechanical shoe	Y	

IV. Source Specific Applicable Requirements

Table IV – BB.7
Source-Specific Applicable Requirements
NSPS Kb Zero gap External Floating Roof Tanks
S439 (Tank 109), S440 (Tank 110), S442 (Tank 112), S444 (Tank 243), S451 (Tank 695)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	primary seal requirements		
60.113b(b)(4)(i)(B)	Testing and Procedures; External floating roof primary seals no holes, tears, openings	Y	
60.113b(b)(4)(ii)	Testing and Procedures; External floating roof secondary seal gap limitations	Y	
60.113b(b)(4)(ii)(A)	Testing and Procedures; External floating roof secondary seal installation	Y	
60.113b(b)(4)(ii)(B)	Testing and Procedures; External floating roof secondary seal gap	Y	
60.113b(b)(4)(ii)(C)	Testing and Procedures; External floating roof secondary seals no holes, tears, openings	Y	
60.113b(b)(4)(iii)	Testing and Procedures; External floating roof 30-day extension request for seal gap repairs	Y	
60.113b(b)(5)	Testing and Procedures; External floating roof seal gap inspections 30 day notification	Y	
60.113b(b)(6)	Testing and Procedures; External floating roof visual inspection when emptied and degassed	Y	
60.113b(b)(6)(i)	Testing and Procedures; External floating roof--roof or seal defect repairs	Y	
60.113b(b)(6)(ii)	Testing and Procedures; External floating roof notification prior to filling	Y	
60.115b	Reporting and Recordkeeping Requirements; 60.112b(a) tanks; Record retention	Y	
60.115b(b)	Reporting and Recordkeeping Requirements; 60.112b(a) external floating	Y	
60.115b(b)(1)	Reporting and Recordkeeping Requirements; 60.112b(a) external floating roof control equipment description and certification	Y	
60.115b(b)(2)	Reporting and Recordkeeping Requirements; 60.112b(a) external floating roof seal gap measurement report – content requirements	Y	
60.115b(b)(3)	Reporting and Recordkeeping Requirements; 60.112b(a) external floating roof seal gap measurement records requirements	Y	
60.115b(b)(4)	Reporting and Recordkeeping Requirements; 60.112b(a) external floating roof seal gap exceedance report	Y	
60.116b(a)	Monitoring of Operations; Record retention	Y	
60.116b(b)	Monitoring of Operations; Permanent record requirements	Y	
60.116b(c)	Monitoring of Operations; VOL storage record requirements	Y	
60.116b(e)	Monitoring of Operations; Determine TVP	Y	
60.116b(e)(2)	Monitoring of Operations; Determine TVP-crude oil and refined petroleum	Y	
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, Subpart Kb**		
63.640(c)(2)	Applicability and Designation of Storage Vessels	Y	

IV. Source Specific Applicable Requirements

Table IV – BB.7
Source-Specific Applicable Requirements
NSPS Kb Zero gap External Floating Roof Tanks
S439 (Tank 109), S440 (Tank 110), S442 (Tank 112), S444 (Tank 243), S451 (Tank 695)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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	
63.640(n)(8)	Applicability and Designation of Affected Source Overlap for Storage Vessels-Additional requirements for Kb storage vessels	Y	
63.640(n)(8)(i)	Applicability and Designation of Affected Source Overlap for Storage Vessels-Additional requirements for Kb storage vessels	Y	
63.640(n)(8)(ii)	Applicability and Designation of Affected Source Overlap for Storage Vessels-Additional requirements for Kb storage vessels	Y	
63.640(n)(8)(iii)	Applicability and Designation of Affected Source Overlap for Storage Vessels-Additional requirements for Kb storage vessels	Y	
63.640(n)(8)(iv)	Applicability and Designation of Affected Source Overlap for Storage Vessels-Additional requirements for Kb storage vessels	Y	
63.640(n)(8)(v)	Applicability and Designation of Affected Source Overlap for Storage Vessels-Additional requirements for Kb storage vessels	Y	
63.640(n)(8)(vi)	Applicability and Designation of Affected Source Overlap for Storage Vessels-Additional requirements for Kb storage vessels	Y	
BAAQMD Condition 12124	**APPLICABLE TO S439**		
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 S440**		
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 S442**		
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 S444**		
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 S451**		
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 – BB.8
Source-Specific Applicable Requirements
NSPS Kb Zero gap External Floating Roof Stormwater Equalization Tanks
S101 (Tank 104), S102 (Tank 105), S106 (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 S106)	Y	
8-5-303.1	Requirements for Pressure Vacuum Valves; Set pressure (applies only to S106)	Y	
8-5-303.2	Requirements for Pressure Vacuum Valves; Installation, maintenance, operation (applies only to S106)	Y	
8-5-304	Requirements for External Floating Roofs	Y	
8-5-304.1	Requirements for External Floating Roofs; Tank fitting requirements	Y	

IV. Source Specific Applicable Requirements

Table IV – BB.8
Source-Specific Applicable Requirements
NSPS Kb Zero gap External Floating Roof Stormwater Equalization Tanks
S101 (Tank 104), S102 (Tank 105), S106 (Tank 130)

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

IV. Source Specific Applicable Requirements

Table IV – BB.8
Source-Specific Applicable Requirements
NSPS Kb Zero gap External Floating Roof Stormwater Equalization Tanks
S101 (Tank 104), S102 (Tank 105), S106 (Tank 130)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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 (applies only to S106)	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 S106)	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 60, Subpart Kb	**Standards of Performance for Storage Vessels for Volatile Organic Liquid Storage Vessels for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984 (12/14/2000)**		

IV. Source Specific Applicable Requirements

Table IV – BB.8
Source-Specific Applicable Requirements
NSPS Kb Zero gap External Floating Roof Stormwater Equalization Tanks
S101 (Tank 104), S102 (Tank 105), S106 (Tank 130)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS		
60.110b(a)	Applicability and Designation of Affected Facility; Volatile organic liquid storage vessels > or = to 40 cu m, after 7/23/1984	Y	
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	
60.112b(a)(2)	Standard for Volatile Organic Compounds (VOC); External floating roof option	Y	
60.112b(a)(2)(i)	Standard for Volatile Organic Compounds (VOC); External floating roof seal requirements	Y	
60.112b(a)(2)(i)(A)	Standard for Volatile Organic Compounds (VOC); External floating roof primary seal requirements	Y	
60.112b(a)(2)(i)(B)	Standard for Volatile Organic Compounds (VOC); External floating roof secondary seal requirements	Y	
60.112b(a)(2)(ii)	Standard for Volatile Organic Compounds (VOC); External floating roof openings requirements	Y	
60.112b(a)(2)(iii)	Standard for Volatile Organic Compounds (VOC); External floating roof floating requirements	Y	
60.113b(b)(1)	Testing and Procedures; External floating roof seal gap measurement frequency	Y	
60.113b(b)(1)(i)	Testing and Procedures; External floating roof primary seal gaps measurement frequency	Y	
60.113b(b)(1)(ii)	Testing and Procedures; External floating roof secondary seal gaps measurement frequency	Y	
60.113b(b)(1)(iii)	Testing and Procedures; External floating roof reintroduction of VOL	Y	
60.113b(b)(2)	Testing and Procedures; External floating roof seal gap measurement procedures	Y	
60.113b(b)(2)(i)	Testing and Procedures; External floating roof measure seal gaps when roof is floating	Y	
60.113b(b)(2)(ii)	Testing and Procedures; External floating roof measure seal gaps around entire circumference	Y	
60.113b(b)(2)(iii)	Testing and Procedures; External floating roof seal method to determine surface area of seal gaps	Y	
60.113b(b)(3)	Testing and Procedures; External floating roof method to calculate total surface area ratio	Y	
60.113b(b)(4)	Testing and Procedures; External floating roof seal gap repair requirements	Y	
60.113b(b)(4)(i)	Testing and Procedures; External floating roof primary seal gap limitations	Y	
60.113b(b)(4)(i)(A)	Testing and Procedures; External floating roof mechanical shoe primary seal requirements	Y	

IV. Source Specific Applicable Requirements

Table IV – BB.8
Source-Specific Applicable Requirements
NSPS Kb Zero gap External Floating Roof Stormwater Equalization Tanks
S101 (Tank 104), S102 (Tank 105), S106 (Tank 130)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.113b(b)(4)(i)(B)	Testing and Procedures; External floating roof primary seals no holes, tears, openings	Y	
60.113b(b)(4)(ii)	Testing and Procedures; External floating roof secondary seal gap limitations	Y	
60.113b(b)(4)(ii)(A)	Testing and Procedures; External floating roof secondary seal installation	Y	
60.113b(b)(4)(ii)(B)	Testing and Procedures; External floating roof secondary seal gap	Y	
60.113b(b)(4)(ii)(C)	Testing and Procedures; External floating roof secondary seals no holes, tears, openings	Y	
60.113b(b)(4)(iii)	Testing and Procedures; External floating roof 30-day extension request for seal gap repairs	Y	
60.113b(b)(5)	Testing and Procedures; External floating roof seal gap inspections 30 day notification	Y	
60.113b(b)(6)	Testing and Procedures; External floating roof visual inspection when emptied and degassed	Y	
60.113b(b)(6)(i)	Testing and Procedures; External floating roof--roof or seal defect repairs	Y	
60.113b(b)(6)(ii)	Testing and Procedures; External floating roof notification prior to filling	Y	
60.115b	Reporting and Recordkeeping Requirements; 60.112b(a) tanks; Record retention	Y	
60.115b(b)	Reporting and Recordkeeping Requirements; 60.112b(a) external floating	Y	
60.115b(b)(1)	Reporting and Recordkeeping Requirements; 60.112b(a) external floating roof control equipment description and certification	Y	
60.115b(b)(2)	Reporting and Recordkeeping Requirements; 60.112b(a) external floating roof seal gap measurement report – content requirements	Y	
60.115b(b)(3)	Reporting and Recordkeeping Requirements; 60.112b(a) external floating roof seal gap measurement records requirements	Y	
60.115b(b)(4)	Reporting and Recordkeeping Requirements; 60.112b(a) external floating roof seal gap exceedance report	Y	
60.116b(a)	Monitoring of Operations; Record retention	Y	
60.116b(b)	Monitoring of Operations; Permanent record requirements	Y	
60.116b(c)	Monitoring of Operations; VOL storage record requirements	Y	
60.116b(e)	Monitoring of Operations; Determine TVP	Y	
60.116b(e)(3)	Monitoring of Operations; Determine TVP-other liquids	Y	
60.116b(f)	Monitoring of Operations; Waste storage tanks (indeterminate or variable composition)	Y	
40 CFR 60, Subpart QQQ	**Standards of Performance for VOC Emissions from Petroleum Refinery Wastewater Systems (8/18/95) REQUIREMENTS FOR STORAGE VESSELS ALSO SUBJECT TO NSPS, Subpart Kb**		
60.690(a)(1)	Applicability and Designation of Affected Facility	Y	

IV. Source Specific Applicable Requirements

Table IV – BB.8
Source-Specific Applicable Requirements
NSPS Kb Zero gap External Floating Roof Stormwater Equalization Tanks
S101 (Tank 104), S102 (Tank 105), S106 (Tank 130)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.690(a)(3)	Applicability and Designation of Affected Facility	Y	
60.692-1	Standards: General	Y	
60.692-1(a)	Standards: General	Y	
60.692-1(b)	Standards: General	Y	
60.692-3	Standards: Oil-Water Separators (includes storage vessels)	Y	
60.692-3(d)	Standards: Oil-Water Separators (includes storage vessels) – Overlap with Kb	Y	
60.692-6	Standards: Delay of Repair	Y	
60.692-6(a)	Standards: Delay of Repair	Y	
60.692-6(b)	Standards: Delay of Repair	Y	
60.697	Recordkeeping Requirements	Y	
60.697(a)	Recordkeeping Requirements	Y	
60.697(e)(1)	Recordkeeping Requirements	Y	
60.697(e)(2)	Recordkeeping Requirements	Y	
60.697(e)(3)	Recordkeeping Requirements	Y	
60.697(e)(4)	Recordkeeping Requirements	Y	
60.697(f)(1)	Recordkeeping Requirements	Y	
60.697(f)(2)	Recordkeeping Requirements	Y	
40 CFR 63, Subpart CC	**National Emission Standards for Hazardous Pollutants for Petroleum Refining (8/18/95) REQUIREMENTS FOR GROUP 2 WASTEWATER SOURCES**		
63.640(c)(3)	Wastewater streams and treatment operations associated with petroleum refining process units meeting the criteria of section 63.640(a)	Y	
63.641	Definitions: Group 1 and Group 2 Wastewater Streams	Y	
63.654(a)	Reporting and Recordkeeping Requirements: Wastewater – no reporting and recordkeeping requirements for wastewater except for Group 1 wastewater streams	Y	
BAAQMD Condition 20989, Part A	Throughput limits for sources S101, S102, S106 [Basis: 2-1-234.3]	Y	

IV. Source Specific Applicable Requirements

Table IV – BB.9
Source-Specific Applicable Requirements
NSPS Kb Zero-Gap Internal Floating Roof Tank
S448 (Tank 1007)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce-able (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	
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	

IV. Source Specific Applicable Requirements

Table IV – BB.9
Source-Specific Applicable Requirements
NSPS Kb Zero-Gap Internal Floating Roof Tank
S448 (Tank 1007)

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

IV. Source Specific Applicable Requirements

Table IV – BB.9
Source-Specific Applicable Requirements
NSPS Kb Zero-Gap Internal Floating Roof Tank
S448 (Tank 1007)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce-able (Y/N)	Future Effective Date
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	
40 CFR 60, Subpart Kb	**Standards of Performance for Storage Vessels for Volatile Organic Liquid Storage Vessels for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984 (12/14/2000) REQUIREMENTS FOR INTERNAL FLOATING ROOF TANKS**		
60.110b(a)	Applicability and Designation of Affected Facility; Volatile organic liquid storage vessels > or = to 40 cu m, after 7/23/1984	Y	
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	
60.112b(a)(1)	Standard for Volatile Organic Compounds (VOC); Fixed roof with internal floating roof option	Y	
60.112b(a)(1)(i)	Standard for Volatile Organic Compounds (VOC); Internal floating roof requirements	Y	
60.112b(a)(1)(ii)	Standard for Volatile Organic Compounds (VOC); Internal floating roof seal requirements	Y	
60.112b(a)(1)(ii)(B)	Standard for Volatile Organic Compounds (VOC); Internal floating roof double seal option	Y	
60.112b(a)(1)(iii)	Standard for Volatile Organic Compounds (VOC); Internal floating roof openings-projections below roof surface	Y	
60.112b(a)(1)(iv)	Standard for Volatile Organic Compounds (VOC); Internal floating roof openings covers	Y	
60.112b(a)(1)(v)	Standard for Volatile Organic Compounds (VOC); Internal floating roof automatic bleeder vents	Y	
60.112b(a)(1)(vi)	Standard for Volatile Organic Compounds (VOC); Internal floating roof rim space vents	Y	
60.112b(a)(1)(vii)	Standard for Volatile Organic Compounds (VOC); Internal floating roof sampling penetrations	Y	
60.112b(a)(1)(viii)	Standard for Volatile Organic Compounds (VOC); Internal floating roof support column penetrations	Y	
60.112b(a)(1)(ix)	Standard for Volatile Organic Compounds (VOC); Internal floating roof ladder penetrations	Y	

IV. Source Specific Applicable Requirements

Table IV – BB.9
Source-Specific Applicable Requirements
NSPS Kb Zero-Gap Internal Floating Roof Tank
S448 (Tank 1007)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce-able (Y/N)	Future Effective Date
60.113b(a)(1)	Testing and Procedures; Internal floating roof visual inspection before filling. Repair any defects found during inspection before filling.	Y	
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	
60.113b(a)(3)	Testing and Procedures; Internal floating roof with double seal system, inspection requirements	Y	
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	
60.113b(a)(4)	Testing and Procedures; Internal floating roof inspection requirements each time tank is emptied and degassed (10 year intervals if complying with 40 CFR 60.113b(a)(3)(ii))	Y	
60.113b(a)(5)	Testing and Procedures; Internal floating roof, 30 day notification for filling after inspection	Y	
60.115b	Reporting and Recordkeeping Requirements; 60.112b(a) tanks; Record retention	Y	
60.115b(a)	Reporting and Recordkeeping Requirements; 60.112b(a) internal floating roof tanks	Y	
60.115b(a)(1)	Reporting and Recordkeeping Requirements; 60.112b(a) internal floating roof control equipment description and certification	Y	
60.115b(a)(2)	Reporting and Recordkeeping Requirements; 60.112b(a) internal floating roof inspection records	Y	
60.115b(a)(3)	Reporting and Recordkeeping Requirements; 60.112b(a) internal floating roof annual inspection defects report	Y	
60.115b(a)(4)	Reporting and Recordkeeping Requirements; 60.112b(a) internal floating roof double seal system inspection defects report	Y	
60.116b(a)	Monitoring of Operations; Record retention	Y	
60.116b(b)	Monitoring of Operations; Permanent record requirements	Y	
60.116b(c)	Monitoring of Operations; VOL storage record requirements	Y	
60.116b(e)	Monitoring of Operations; Determine TVP	Y	
60.116b(e)(2)	Monitoring of Operations; Determine TVP-crude oil and refined petroleum	Y	
40 CFR 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, Subpart Kb**		
63.640(c)(2)	Applicability and Designation of Storage Vessels	Y	
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	
63.640(n)(8)	Applicability and Designation of Affected Source Overlap for	Y	

IV. Source Specific Applicable Requirements

Table IV – BB.9
Source-Specific Applicable Requirements
NSPS Kb Zero-Gap Internal Floating Roof Tank
S448 (Tank 1007)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce-able (Y/N)	Future Effective Date
	Storage Vessels-Additional requirements for Kb storage vessels		
63.640(n)(8)(ii)	Applicability and Designation of Affected Source Overlap for Storage Vessels-Additional requirements for Kb storage vessels	Y	
63.640(n)(8)(iii)	Applicability and Designation of Affected Source Overlap for Storage Vessels-Additional requirements for Kb storage vessels	Y	
63.640(n)(8)(iv)	Applicability and Designation of Affected Source Overlap for Storage Vessels-Additional requirements for Kb storage vessels	Y	
63.640(n)(8)(v)	Applicability and Designation of Affected Source Overlap for Storage Vessels-Additional requirements for Kb storage vessels	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 – BB.10
Source-Specific Applicable Requirements
Internal Floating Roof Tanks with Dome Roofs
Previously External Floating Roof Tanks
S126 (Tank 172), S257 (Tank 1004), S258 (Tank 1005)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce-able (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 – BB.10
Source-Specific Applicable Requirements
INTERNAL FLOATING ROOF TANKS WITH DOME ROOFS
PREVIOUSLY EXTERNAL FLOATING ROOF TANKS
S126 (TANK 172), S257 (TANK 1004), S258 (TANK 1005)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce-able (Y/N)	Future Effective Date
8-5-111.6	Limited Exemption, Tank Removal From and Return to Service; Written notice of completion not required	Y	
8-5-111.7	Limited Exemption, Tank Removal From and Return to Service; Compliance with Section 8-5-328	Y	
8-5-112	Limited Exemption, Tanks in Operation	Y	
8-5-112.1	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 S126 and S258)	Y	
8-5-303.1	Requirements for Pressure Vacuum Valves; Set pressure (applies only to S126 and S258)	Y	
8-5-303.2	Requirements for Pressure Vacuum Valves; Installation, maintenance, operation (applies only to S126 and S258)	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	
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	Y	

IV. Source Specific Applicable Requirements

Table IV – BB.10
Source-Specific Applicable Requirements
INTERNAL FLOATING ROOF TANKS WITH DOME ROOFS
PREVIOUSLY EXTERNAL FLOATING ROOF TANKS
S126 (TANK 172), S257 (TANK 1004), S258 (TANK 1005)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce-able (Y/N)	Future Effective Date
	gauging wells; Projection below the liquid surface		
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 S126 and S258)	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 – BB.10
Source-Specific Applicable Requirements
INTERNAL FLOATING ROOF TANKS WITH DOME ROOFS
PREVIOUSLY EXTERNAL FLOATING ROOF TANKS
S126 (TANK 172), S257 (TANK 1004), S258 (TANK 1005)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce-able (Y/N)	Future Effective Date
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 S126 and S258)	Y	
40 CFR 63, Subpart G	**SOCMI HON G (01/27/1995) REQUIREMENTS FOR INTERNAL FLOATING ROOF TANKS**		
63.119(a)	Storage Vessel Provisions -- Reference Control Technology	Y	
63.119(a)(1)	Storage Vessel Provisions -- Reference Control Technology--Group 1, TVP < 76.6 kPa	Y	
63.119(b)	Storage Vessel Provisions -- Reference Control Technology— Internal floating roof	Y	
63.119(b)(1)	Storage Vessel Provisions -- Reference Control Technology-- Internal floating roof--Must float on liquid	Y	
63.119(b)(1)(i)	Storage Vessel Provisions -- Reference Control Technology-- Internal floating roof --Must float on liquid except during initial fill	Y	
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	
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	
63.119(b)(2)	Storage Vessel Provisions -- Reference Control Technology-- Internal Floating Roof Operations, when not floating	Y	
63.119(b)(3)	Storage Vessel Provisions -- Reference Control Technology-- Internal floating roof – seals; must have at least one seal	Y	
63.119(b)(3)(i)	Storage Vessel Provisions -- Reference Control Technology-- Internal floating roof – seal option; single liquid-mounted seal	Y	
63.119(b)(3)(ii)	Storage Vessel Provisions -- Reference Control Technology-- Internal floating roof - seal option; single metallic shoe seal	Y	
63.119(b)(3)(iii)	Storage Vessel Provisions -- Reference Control Technology-- Internal floating roof - seal option; double seal, lower can be vapor mounted	Y	
63.119(b)(4)	Storage Vessel Provisions -- Reference Control Technology-- Internal floating roof – automatic bleeder valve requirements	Y	
63.120(a)	Storage Vessel Provisions -- Procedures to Determine Compliance-- Compliance Demonstration--Internal floating roof	Y	
63.120(a)(1)	Storage Vessel Provisions -- Procedures to Determine Compliance— Internal FR tank inspection schedule	Y	
63.120(a)(3)	Storage Vessel Provisions -- Procedures to Determine Compliance— Internal FR tank inspections – tanks with double seals	Y	
63.120(a)(3)(ii)	Storage Vessel Provisions -- Procedures to Determine Compliance--	Y	

IV. Source Specific Applicable Requirements

Table IV – BB.10
Source-Specific Applicable Requirements
INTERNAL FLOATING ROOF TANKS WITH DOME ROOFS
PREVIOUSLY EXTERNAL FLOATING ROOF TANKS
S126 (TANK 172), S257 (TANK 1004), S258 (TANK 1005)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce-able (Y/N)	Future Effective Date
	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 63.120(a)(3)(iii) every time emptied and degassed and every 10 years.		
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 63.646(e)]. Also must comply with annual visual inspection in 63.120(a)(3)(ii).	Y	
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	
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	
63.120(a)(6)	Storage Vessel Provisions -- Procedures to Determine Compliance-- External FR and seal visual inspection each time emptied –- Notification for unplanned	Y	
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 63.646(e)]	Y	
63.123(a)	Storage Vessel Provisions -- Recordkeeping--Group 1 and Group 2 storage vessel dimensions and capacity. Keep for life of source.	Y	
63.123(c)	Storage Vessel Provisions -- Recordkeeping--Group 1 Internal floating roof tank requirements - records of each tank inspection	Y	
63.123(g)	Storage Vessel Provisions -- Recordkeeping, Extensions for emptying storage vessel – keep documentation specified	Y	
40 CFR 63, Subpart CC	**National Emission Standards for Hazardous Air Pollutants for Petroleum Refineries (06/12/1996)** **REQUIREMENTS FOR INTERNAL FLOATING ROOF TANKS**		
63.640(c)(2)	Applicability and Designation of Storage Vessels	Y	
63.646(a)	Storage Vessel Provisions-Group 1	Y	
63.646(b)(1)	Storage Vessel Provisions-Determine stored liquid % OHAP for group determination	Y	
63.646(b)(2)	Storage Vessel Provisions-Determine stored liquid % OHAP-method 18 to resolve disputes	Y	
63.646(c)	Storage Vessel Provisions—63 Subpart G exclusions for storage	Y	

IV. Source Specific Applicable Requirements

Table IV – BB.10
Source-Specific Applicable Requirements
INTERNAL FLOATING ROOF TANKS WITH DOME ROOFS
PREVIOUSLY EXTERNAL FLOATING ROOF TANKS
S126 (TANK 172), S257 (TANK 1004), S258 (TANK 1005)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce-able (Y/N)	Future Effective Date
	vessels [IFRs exempt from 63.119(b)(5) and (b)(6)]		
63.646(d)	Storage Vessel Provisions-References	Y	
63.646(d)(2)	Storage Vessel Provisions-References to April 22,1994	Y	
63.646(d)(3)	Storage Vessel Provisions-References to December 31, 1992	Y	
63.646(d)(4)	Storage Vessel Provisions-References to compliance dates in 63.100 of Subpart F	Y	
63.646(e)	Storage Vessel Provisions—Exceptions for compliance with inspection requirements of 63.120 of Subpart G – Not required to comply with provisions for gaskets, slotted membranes, and sleeve seals.	Y	
63.646(f)	Storage Vessel Provisions-Group 1 floating roof requirements	Y	
63.646(f)(1)	Storage Vessel Provisions—Group 1 floating roof requirements-Covers or lids closed except when in use	Y	
63.646(f)(2)	Storage Vessel Provisions-Group 1 floating roof requirements-Rim space vents requirements	Y	
63.646(f)(3)	Storage Vessel Provisions-Group 1 floating roof requirements-Automatic bleeder vents requirements	Y	
63.646(l)	Storage Vessel Provisions-State or local permitting agency notification requirements	Y	
63.654(f)	Reporting and Recordkeeping Requirements-Notice of compliance status report requirements	Y	
63.654(f)(1)	Reporting and Recordkeeping Requirements-Notice of compliance status report requirements	Y	
63.654(f)(1)(i)	Reporting and Recordkeeping Requirements-Notice of compliance status report requirements-Reporting--storage vessels	Y	
63.654(f)(1)(i)(A)	Reporting and Recordkeeping Requirements-Notice of compliance status report requirements-Reporting--storage vessels	Y	
63.654(f)(1)(i)(A)(1)	Reporting and Recordkeeping Requirements-Notice of compliance status report requirements-Reporting--storage vessels	Y	
63.654(g)	Periodic Reporting and Recordkeeping Requirements	Y	
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	
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	
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	
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;	Y	

IV. Source Specific Applicable Requirements

Table IV – BB.10
Source-Specific Applicable Requirements
INTERNAL FLOATING ROOF TANKS WITH DOME ROOFS
PREVIOUSLY EXTERNAL FLOATING ROOF TANKS
S126 (TANK 172), S257 (TANK 1004), S258 (TANK 1005)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce-able (Y/N)	Future Effective Date
	definition of failure		
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	
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; extension documentation	Y	
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	
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	
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	
63.654(h)(2)	Reporting and Recordkeeping Requirements-Other reports-Storage vessel notification of inspections.	Y	
63.654(h)(2)(i)	Reporting and Recordkeeping Requirements-Other reports-Storage vessel notification of inspections – refilling Group 1 storage vessel.	Y	
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	
63.654(h)(6)	Reporting and Recordkeeping Requirements-Other reports-Determination of Applicability	Y	
63.654(h)(6)(ii)	Reporting and Recordkeeping Requirements-Other reports-Determination of Applicability	Y	
63.654(i)(1)	Reporting and Recordkeeping Requirements-Recordkeeping for storage vessels – keep records specified in 63.123 (Subpart G)	Y	
63.654(i)(1)(i)	Reporting and Recordkeeping Requirements-Recordkeeping for storage vessels– keep records specified in 63.123 (Subpart G) except records related to gaskets, slotted membranes, and sleeve seals for vessels in existing sources	Y	
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 S126, S257, S258 [Basis: 2-1-234.3]	N	

IV. Source Specific Applicable Requirements

2 Seals in S257 and S258 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 – BB.11
Source-Specific Applicable Requirements
NSPS Kb Fixed Roof Tanks with Vapor Recovery to Fuel Gas
S135 (Tank 200), S360 (Tank 223), S445 (Tank 271), S449 (Tank 285)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce-able (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	

IV. Source Specific Applicable Requirements

Table IV – BB.11
Source-Specific Applicable Requirements
NSPS Kb Fixed Roof Tanks with Vapor Recovery to Fuel Gas
S135 (Tank 200), S360 (Tank 223), S445 (Tank 271), S449 (Tank 285)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce-able (Y/N)	Future Effective Date
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	
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	
40 CFR 60, Subpart Kb	**Standards of Performance for Storage Vessels for Volatile Organic Liquid Storage Vessels for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984 (12/14/2000) REQUIREMENTS FOR FIXED ROOF TANKS**		
60.110b(a)	Applicability and Designation of Affected Facility; Volatile organic liquid storage vessels > or = to 40 cu m, after 7/23/1984	Y	
60.112b(a)(3)	Standard for Volatile Organic Compounds (VOC); Closed vent system and control device	Y	
60.112b(a)(3)(i)	Standard for Volatile Organic Compounds (VOC); Closed vent system and control device no detectable emissions per 60.485(b) (Subpart VV)	Y	
60.112b(a)(3)(ii)	Standard for Volatile Organic Compounds (VOC); Closed vent system and control device >= 95% inlet VOC emission reduction	Y	
60.113b(c)	Testing and Procedures; Closed vent system and control device (not flare)	Y	
60.113b(c)(1)	Testing and Procedures; Closed vent system and control device (not flare) operating plan submission	Y	
60.113b(c)(1)(i)	Testing and Procedures; Closed vent system and control device (not flare) operating plan--efficiency demonstration	Y	
60.113b(c)(1)(ii)	Testing and Procedures; Closed vent system and control device (not flare) operating plan--monitoring parameters	Y	
60.113b(c)(2)	Testing and Procedures; Closed vent system and control device (not flare) operate in accordance with operating plan	Y	
60.115b	Reporting and Recordkeeping Requirements; 60.112b(a) tanks; Record retention	Y	
60.115b(c)	Reporting and Recordkeeping Requirements; Closed vent system and control device (not flare)	Y	

IV. Source Specific Applicable Requirements

Table IV – BB.11
Source-Specific Applicable Requirements
NSPS Kb Fixed Roof Tanks with Vapor Recovery to Fuel Gas
S135 (Tank 200), S360 (Tank 223), S445 (Tank 271), S449 (Tank 285)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce-able (Y/N)	Future Effective Date
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	
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	
60.116b(a)	Monitoring of Operations; Record retention	Y	
60.116b(b)	Monitoring of Operations; Permanent record requirements	Y	
60.116b(e)	Monitoring of Operations; Determine TVP	Y	
60.116b(e)(2)	Monitoring of Operations; Determine TVP-crude oil or refined petroleum products	Y	
60.116b(g)	Monitoring of Operations; Exemption from 60.116b(c) and 60.116b(d) for tanks with closed vent system and control device	Y	
40 CFR 63, Subpart CC	**National Emission Standards for Hazardous Air Pollutants for Petroleum Refineries (06/12/1996) EXEMPTION FOR TANKS VENTED TO FUEL GAS SYSTEM**		
63.640(c)(2)	Applicability and Designation of Storage Vessels	Y	
63.640(d)(5)	Exemption for emission points routed to fuel gas system	Y	
BAAQMD Condition 11219	**APPLICABLE TO S449**		
Part 1	Requirement to vent emissions to fuel gas system [Basis: Cumulative Increase]	Y	
BAAQMD Condition 12130	**APPLICABLE TO S445**		
Part 1	Requirement to vent emissions to fuel gas system [Basis: Cumulative Increase]	Y	
BAAQMD Condition 20989, Part A	Throughput limits for sources S360 [Basis: 2-1-234.3]	Y	
BAAQMD Condition 22518	**APPLICABLE TO S135**		
Part 1	Vapor pressure limit [Cumulative increase]	Y	
Part 3	Throughput limit [Cumulative increase]	Y	
Part 4	Control requirement [Cumulative increase]	Y	
Part 5	Prohibition on tank cleaning when switching products [Cumulative increase]	Y	

IV. Source Specific Applicable Requirements

Table IV – BB.12
Source-Specific Applicable Requirements
NSPS Kb Fixed Roof Tanks with Vapor Pressure >= 76.6 kPa (11 psia) with Vapor Recovery to Fuel Gas
S446 (Tank 310), S447 (Tank 311)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce-able (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;	Y	

IV. Source Specific Applicable Requirements

Table IV – BB.12
Source-Specific Applicable Requirements
NSPS Kb Fixed Roof Tanks with Vapor Pressure >= 76.6 kPa (11 psia) with Vapor Recovery to Fuel Gas
S446 (Tank 310), S447 (Tank 311)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce-able (Y/N)	Future Effective Date
	Concentration of <10,000 ppm as methane after degassing		
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	
40 CFR 60, Subpart Kb	**Standards of Performance for Storage Vessels for Volatile Organic Liquid Storage Vessels for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984 (12/14/2000) REQUIREMENTS FOR FIXED ROOF TANKS**		
60.110b(a)	Applicability and Designation of Affected Facility; Volatile organic liquid storage vessels > or = to 40 cu m, after 7/23/1984	Y	
60.112b(a)(3)	Standard for Volatile Organic Compounds (VOC); Closed vent system and control device	Y	
60.112b(a)(3)(i)	Standard for Volatile Organic Compounds (VOC); Closed vent system and control device no detectable emissions per 60.485(b) (Subpart VV)	Y	
60.112b(a)(3)(ii)	Standard for Volatile Organic Compounds (VOC); Closed vent system and control device >= 95% inlet VOC emission reduction	Y	
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	
60.112b(b)(1)	Standard for Volatile Organic Compounds (VOC); Closed vent system and control device option per 40 CFR60.112b(a)(3)	Y	
60.113b(c)	Testing and Procedures; Closed vent system and control device (not flare)	Y	
60.113b(c)(1)	Testing and Procedures; Closed vent system and control device (not flare) operating plan submission	Y	
60.113b(c)(1)(i)	Testing and Procedures; Closed vent system and control device (not flare) operating plan--efficiency demonstration	Y	
60.113b(c)(1)(ii)	Testing and Procedures; Closed vent system and control device (not flare) operating plan--monitoring parameters	Y	
60.113b(c)(2)	Testing and Procedures; Closed vent system and control device (not flare) operate in accordance with operating plan	Y	
60.115b	Reporting and Recordkeeping Requirements; 60.112b(a) tanks; Record retention	Y	
60.115b(c)	Reporting and Recordkeeping Requirements; Closed vent system and	Y	

IV. Source Specific Applicable Requirements

Table IV – BB.12
Source-Specific Applicable Requirements
NSPS Kb Fixed Roof Tanks with Vapor Pressure >= 76.6 kPa (11 psia) with Vapor Recovery to Fuel Gas
S446 (Tank 310), S447 (Tank 311)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce-able (Y/N)	Future Effective Date
	control device (not flare)		
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	
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	
60.116b(a)	Monitoring of Operations; Record retention	Y	
60.116b(b)	Monitoring of Operations; Permanent record requirements	Y	
60.116b(e)	Monitoring of Operations; Determine TVP	Y	
60.116b(e)(2)	Monitoring of Operations; Determine TVP-crude oil or refined petroleum products	Y	
60.116b(g)	Monitoring of Operations; Exemption from 60.116b(c) and 60.116b(d) for tanks with closed vent system and control device	Y	
40 CFR 63, Subpart CC	**National Emission Standards for Hazardous Air Pollutants for Petroleum Refineries (8/18/95) EXEMPTION FOR TANKS VENTED TO FUEL GAS SYSTEM**		
63.640(c)(2)	Applicability and Designation of Storage Vessels	Y	
63.640(d)(5)	Exemption for emission points routed to fuel gas system	Y	
BAAQMD Condition 12131	**APPLICABLE TO S446**		
Part 1	Requirement to vent emissions to fuel gas system [Basis: Cumulative Increase]	Y	
BAAQMD Condition 12132	**APPLICABLE TO S447**		
Part 1	Requirement to vent emissions to fuel gas system [Basis: Cumulative Increase]	Y	

Table IV – BB.13
Source-Specific Applicable Requirements
MACT Zero-Gap External Floating Roof Tanks
S97 (Tank 100), S100 (Tank 103), S107 (Tank 150), S110 (Tank 155), S111 (Tank 156), S112 (Tank 157), S114 (Tank 159), S115 (Tank 160), S122 (Tank 167), S123 (Tank 168), S124 (Tank 169), S128 (Tank 174), S129 (Tank 180), S150 (Tank 241), S151 (Tank 242), S177 (Tank 287), S178 (Tank 288), S186 (Tank 298), S254 (Tank 1001), S255 (Tank 1002), S256 (Tank 1003), S259 (Tank 1006)

IV. Source Specific Applicable Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce-able (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 (applies only to S107 (Tank 150), S110 (Tank 155), S115 (Tank 160), S123 (Tank 168), S128 (Tank 174), S129 (Tank 180), S178 (Tank 288))	Y	
8-5-303.1	Requirements for Pressure Vacuum Valves; Set pressure (applies only to S107 (Tank 150), S110 (Tank 155), S115 (Tank 160), S123 (Tank 168), S128 (Tank 174), S129 (Tank 180), S178 (Tank 288))	Y	
8-5-303.2	Requirements for Pressure Vacuum Valves; Installation, maintenance, operation (applies only to S107 (Tank 150), S110 (Tank 155), S115 (Tank 160), S123 (Tank 168), S128 (Tank 174), S129 (Tank 180), S178 (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	
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	Y	

IV. Source Specific Applicable Requirements

Table IV – BB.13
Source-Specific Applicable Requirements
MACT ZERO-GAP EXTERNAL FLOATING ROOF TANKS
S97 (TANK 100), S100 (TANK 103), S107 (TANK 150), S110 (TANK 155), S111 (TANK 156), S112 (TANK 157), S114 (TANK 159), S115 (TANK 160), S122 (TANK 167), S123 (TANK 168), S124 (TANK 169), S128 (TANK 174), S129 (TANK 180), S150 (TANK 241), S151 (TANK 242), S177 (TANK 287), S178 (TANK 288), S186 (TANK 298), S254 (TANK 1001), S255 (TANK 1002), S256 (TANK 1003), S259 (TANK 1006)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce-able (Y/N)	Future Effective Date
	liquid surface		
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 – BB.13
Source-Specific Applicable Requirements
MACT ZERO-GAP EXTERNAL FLOATING ROOF TANKS
S97 (TANK 100), S100 (TANK 103), S107 (TANK 150), S110 (TANK 155), S111 (TANK 156), S112 (TANK 157), S114 (TANK 159), S115 (TANK 160), S122 (TANK 167), S123 (TANK 168), S124 (TANK 169), S128 (TANK 174), S129 (TANK 180), S150 (TANK 241), S151 (TANK 242), S177 (TANK 287), S178 (TANK 288), S186 (TANK 298), S254 (TANK 1001), S255 (TANK 1002), S256 (TANK 1003), S259 (TANK 1006)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce-able (Y/N)	Future Effective Date
	Fittings Inspections		
8-5-403	Inspection Requirements for Pressure Vacuum Valves (applies only to S107 (Tank 150), S110 (Tank 155), S115 (Tank 160), S123 (Tank 168), S128 (Tank 174), S129 (Tank 180), S178 (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 S107 (Tank 150), S110 (Tank 155), S115 (Tank 160), S123 (Tank 168), S128 (Tank 174), S129 (Tank 180), S178 (Tank 288))	Y	
40 CFR 63, Subpart G	**SOCMI HON G (01/27/1995) REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS**		
63.119(a)	Storage Vessel Provisions -- Reference Control Technology	Y	
63.119(a)(1)	Storage Vessel Provisions -- Reference Control Technology--Group 1, TVP < 76.6 kPa	Y	
63.119(c)	Storage Vessel Provisions -- Reference Control Technology--External floating roof	Y	
63.119(c)(1)	Storage Vessel Provisions -- Reference Control Technology--External floating roof seals	Y	
63.119(c)(1)(i)	Storage Vessel Provisions -- Reference Control Technology--External floating roof double seals required	Y	
63.119(c)(1)(ii)	Storage Vessel Provisions -- Reference Control Technology--External floating roof primary seal requirements – metallic shoe or liquid-mounted	Y	
63.119(c)(1)(iii)	Storage Vessel Provisions -- Reference Control Technology--External floating roof seal requirements	Y	
63.119(c)(3)	Storage Vessel Provisions -- Reference Control Technology--External floating roof--Must float on liquid	Y	
63.119(c)(3)(i)	Storage Vessel Provisions -- Reference Control Technology--External floating roof --Must float on liquid except during initial fill	Y	

IV. Source Specific Applicable Requirements

Table IV – BB.13
Source-Specific Applicable Requirements
MACT ZERO-GAP EXTERNAL FLOATING ROOF TANKS
S97 (TANK 100), S100 (TANK 103), S107 (TANK 150), S110 (TANK 155), S111 (TANK 156), S112 (TANK 157), S114 (TANK 159), S115 (TANK 160), S122 (TANK 167), S123 (TANK 168), S124 (TANK 169), S128 (TANK 174), S129 (TANK 180), S150 (TANK 241), S151 (TANK 242), S177 (TANK 287), S178 (TANK 288), S186 (TANK 298), S254 (TANK 1001), S255 (TANK 1002), S256 (TANK 1003), S259 (TANK 1006)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce-able (Y/N)	Future Effective Date
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	
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	
63.119(c)(4)	Storage Vessel Provisions -- Reference Control Technology-- External Floating Roof Operations, when not floating	Y	
63.120(b)	Storage Vessel Provisions -- Procedures to Determine Compliance--Compliance Demonstration--External floating roof	Y	
63.120(b)(1)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR seal gap measurement	Y	
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	
63.120(b)(1)(iii)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR with double seals - secondary seal gap measurement – annual requirement	Y	
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	
63.120(b)(2)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR seal gap determination methods	Y	
63.120(b)(2)(i)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR seal gap determination methods – roof not resting on legs	Y	
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	
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	
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	
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	Y	

IV. Source Specific Applicable Requirements

Table IV – BB.13
Source-Specific Applicable Requirements
MACT ZERO-GAP EXTERNAL FLOATING ROOF TANKS
S97 (TANK 100), S100 (TANK 103), S107 (TANK 150), S110 (TANK 155), S111 (TANK 156), S112 (TANK 157), S114 (TANK 159), S115 (TANK 160), S122 (TANK 167), S123 (TANK 168), S124 (TANK 169), S128 (TANK 174), S129 (TANK 180), S150 (TANK 241), S151 (TANK 242), S177 (TANK 287), S178 (TANK 288), S186 (TANK 298), S254 (TANK 1001), S255 (TANK 1002), S256 (TANK 1003), S259 (TANK 1006)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce-able (Y/N)	Future Effective Date
	diameter. Maximum width <= 1.27 cm		
63.120(b)(5)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR primary seal additional requirements	Y	
63.120(b)(5)(i)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR primary seal additional requirements – metallic shoe seal – shoe geometry	Y	
63.120(b)(5)(ii)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR primary seal additional requirements – no holes, tears, or openings	Y	
63.120(b)(6)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR secondary seal requirements	Y	
63.120(b)(6)(i)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR secondary seal requirements – location and extent	Y	
63.120(b)(6)(ii)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR secondary seal requirements - no holes, tears or openings	Y	
63.120(b)(7)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR unsafe to perform seal measurements or inspect the tank	Y	
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 63.120(b)(7)(ii)	Y	
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 63.120(b)(7)(i). Two 30 day extensions are allowed to empty the tank. Decision to use extension must be documented.	Y	
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	
63.120(b)(9)	Storage Vessel Provisions -- Procedures to Determine Compliance External FR seal gap measurement 30 day notification	Y	
63.120(b)(10)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR and seals visual inspection each time emptied	Y	
63.120(b)(10)(i)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR and seal visual inspection each time emptied – Repair	Y	

IV. Source Specific Applicable Requirements

Table IV – BB.13
Source-Specific Applicable Requirements
MACT ZERO-GAP EXTERNAL FLOATING ROOF TANKS
S97 (TANK 100), S100 (TANK 103), S107 (TANK 150), S110 (TANK 155), S111 (TANK 156), S112 (TANK 157), S114 (TANK 159), S115 (TANK 160), S122 (TANK 167), S123 (TANK 168), S124 (TANK 169), S128 (TANK 174), S129 (TANK 180), S150 (TANK 241), S151 (TANK 242), S177 (TANK 287), S178 (TANK 288), S186 (TANK 298), S254 (TANK 1001), S255 (TANK 1002), S256 (TANK 1003), S259 (TANK 1006)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce-able (Y/N)	Future Effective Date
	defects before refilling [does not apply to gaskets, slotted membranes, or sleeve seals for Group 1 Refinery MACT tanks per 63.646(e)]		
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	
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	
63.123(a)	Storage Vessel Provisions -- Recordkeeping--Group 1 and Group 2 storage vessel dimensions and capacity. Keep for life of source.	Y	
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	
63.123(g)	Storage Vessel Provisions -- Recordkeeping, Extensions for emptying storage vessel – keep documentation specified	Y	
40 CFR 63, Subpart CC	**National Emission Standards for Hazardous Air Pollutants for Petroleum Refineries (06/12/1996) REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS**		
63.640(c)(2)	Applicability and Designation of Storage Vessels	Y	
63.646(a)	Storage Vessel Provisions-Group 1	Y	
63.646(b)(1)	Storage Vessel Provisions-Determine stored liquid % OHAP for group determination	Y	
63.646(b)(2)	Storage Vessel Provisions-Determine stored liquid % OHAP-method 18 to resolve disputes	Y	
63.646(c)	Storage Vessel Provisions—63 Subpart G exclusions for storage vessels [EFRs exempt from 63.119(c)(2)]	Y	
63.646(d)	Storage Vessel Provisions-References	Y	
63.646(d)(2)	Storage Vessel Provisions-References to April 22,1994	Y	
63.646(d)(3)	Storage Vessel Provisions-References to December 31, 1992	Y	
63.646(d)(4)	Storage Vessel Provisions-References to compliance dates in 63.100 of Subpart F	Y	
63.646(e)	Storage Vessel Provisions—Exceptions for compliance with inspection requirements of 63.120 of Subpart G – Not required to comply with provisions for gaskets, slotted membranes, and sleeve seals.	Y	
63.646(f)	Storage Vessel Provisions-Group 1 floating roof requirements	Y	
63.646(f)(1)	Storage Vessel Provisions—Group 1 floating roof requirements-Covers or lids closed except when in use	Y	

IV. Source Specific Applicable Requirements

Table IV – BB.13
Source-Specific Applicable Requirements
MACT ZERO-GAP EXTERNAL FLOATING ROOF TANKS
S97 (TANK 100), S100 (TANK 103), S107 (TANK 150), S110 (TANK 155), S111 (TANK 156), S112 (TANK 157), S114 (TANK 159), S115 (TANK 160), S122 (TANK 167), S123 (TANK 168), S124 (TANK 169), S128 (TANK 174), S129 (TANK 180), S150 (TANK 241), S151 (TANK 242), S177 (TANK 287), S178 (TANK 288), S186 (TANK 298), S254 (TANK 1001), S255 (TANK 1002), S256 (TANK 1003), S259 (TANK 1006)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce-able (Y/N)	Future Effective Date
63.646(f)(2)	Storage Vessel Provisions-Group 1 floating roof requirements-Rim space vents requirements	Y	
63.646(f)(3)	Storage Vessel Provisions-Group 1 floating roof requirements-Automatic bleeder vents requirements	Y	
63.646(l)	Storage Vessel Provisions-State or local permitting agency notification requirements	Y	
63.654(f)	Reporting and Recordkeeping Requirements-Notice of compliance status report requirements	Y	
63.654(f)(1)	Reporting and Recordkeeping Requirements-Notice of compliance status report requirements	Y	
63.654(f)(1)(i)	Reporting and Recordkeeping Requirements-Notice of compliance status report requirements-Reporting--storage vessels	Y	
63.654(f)(1)(i)(A)	Reporting and Recordkeeping Requirements-Notice of compliance status report requirements-Reporting--storage vessels	Y	
63.654(f)(1)(i)(A)(1)	Reporting and Recordkeeping Requirements-Notice of compliance status report requirements-Reporting--storage vessels	Y	
63.654(g)	Periodic Reporting and Recordkeeping Requirements	Y	
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	
63.654(g)(3)	Periodic Reporting and Recordkeeping Requirements-storage vessels with external floating roofs	Y	
63.654(g)(3)(i)	Periodic Reporting and Recordkeeping Requirements-storage vessels with external floating roofs-document results of each seal gap measurement	Y	
63.654(g)(3)(ii)	Periodic Reporting and Recordkeeping Requirements-storage vessels with external floating roofs – extension documentation	Y	
63.654(g)(3)(iii)	Periodic Reporting and Recordkeeping Requirements-storage vessels with external floating roofs – documentation of failures	Y	
63.654(h)(2)	Reporting and Recordkeeping Requirements-Other reports-Storage vessel notification of inspections.	Y	
63.654(h)(2)(i)	Reporting and Recordkeeping Requirements-Other reports-Storage vessel notification of inspections – refilling Group 1 storage vessel.	Y	
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	
63.654(h)(6)	Reporting and Recordkeeping Requirements-Other reports-Determination of Applicability	Y	

IV. Source Specific Applicable Requirements

Table IV – BB.13
Source-Specific Applicable Requirements
MACT ZERO-GAP EXTERNAL FLOATING ROOF TANKS
S97 (TANK 100), S100 (TANK 103), S107 (TANK 150), S110 (TANK 155), S111 (TANK 156), S112 (TANK 157), S114 (TANK 159), S115 (TANK 160), S122 (TANK 167), S123 (TANK 168), S124 (TANK 169), S128 (TANK 174), S129 (TANK 180), S150 (TANK 241), S151 (TANK 242), S177 (TANK 287), S178 (TANK 288), S186 (TANK 298), S254 (TANK 1001), S255 (TANK 1002), S256 (TANK 1003), S259 (TANK 1006)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce-able (Y/N)	Future Effective Date
63.654(h)(6)(ii)	Reporting and Recordkeeping Requirements-Other reports-Determination of Applicability	Y	
63.654(i)(1)	Reporting and Recordkeeping Requirements-Recordkeeping for storage vessels – keep records specified in 63.123 (Subpart G)	Y	
63.654(i)(1)(i)	Reporting and Recordkeeping Requirements-Recordkeeping for storage vessels– keep records specified in 63.123 (Subpart G) except records related to gaskets, slotted membranes, and sleeve seals for vessels in existing sources	Y	
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 S97, S100, S107, S110, S111, S112, S114, S115, S122, S128, S177, S254, S255, S256, S259 [Basis: 2-1-234.3]	N	
BAAQMD Condition 20989, Part A	Throughput limits for sources S129, S150, S151, S178 [Basis: 2-1-234.3]	Y	
BAAQMD Condition 22478			
Part 1	Vapor pressure limit for S123 [Basis: cumulative increase]	Y	
Part 2	Emissions limit for S124 [Basis: cumulative increase]	Y	
Part 3	Emissions limit for S186 [Basis: cumulative increase]	Y	
Part 5	Throughput limit for S123 [Basis: cumulative increase]	Y	
Part 7	BACT equipment requirements for S123, S124, S186, and S334 [Basis: BACT, cumulative increase]	Y	
Part 8	Emission calculations for S124 and S186 [Basis: cumulative increase]	Y	

IV. Source Specific Applicable Requirements

Table IV – BB.14
Source-Specific Applicable Requirements
NSPS K AND NSPS KA ZERO-GAP EXTERNAL FLOATING ROOF TANKS
NSPS K - S334 (TANK 107),
NSPS KA - S341 (TANK 208), S342 (TANK 209), S343 (TANK 210)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce-able (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	Tank Fitting Requirements; Floating roof tanks	Y	
8-5-320.2	Tank Fitting Requirements; Floating roof tanks, Projection below liquid surface	Y	

IV. Source Specific Applicable Requirements

Table IV – BB.14
Source-Specific Applicable Requirements
NSPS K AND NSPS KA ZERO-GAP EXTERNAL FLOATING ROOF TANKS
NSPS K - S334 (TANK 107),
NSPS KA - S341 (TANK 208), S342 (TANK 209), S343 (TANK 210)

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

IV. Source Specific Applicable Requirements

Table IV – BB.14
Source-Specific Applicable Requirements
NSPS K AND NSPS KA ZERO-GAP EXTERNAL FLOATING ROOF TANKS
NSPS K - S334 (TANK 107),
NSPS KA - S341 (TANK 208), S342 (TANK 209), S343 (TANK 210)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce-able (Y/N)	Future Effective Date
	Retain 24 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	
40 CFR 60, Subpart K	**Standards of Performance for Storage Vessels for Volatile Organic Liquid Storage Vessels for Which Construction, Reconstruction, or Modification Commenced After June 11, 1973, and Prior to May 19, 1978 (4/4/1980) APPLIES TO S334 (Tank 107)**		
60.110(a)	Applicability and Designation of Affected Facility; Affected facility	Y	
60.110(c)(2)	Applicability and Designation of Affected Facility-->65,000 gal after 6/11/1973 and before 5/19/1978.	Y	
60.112(a)(1)	Standard for petroleum liquids above 1.5 psia and below 11.1 psia	Y	
60.113(a)	Records of petroleum liquids, period of storage, and maximum true vapor pressure	Y	
60.113(b)	Nomographs may be used	Y	
40 CFR 60, Subpart Ka	**Standards of Performance for Storage Vessels for Volatile Organic Liquid Storage Vessels for Which Construction, Reconstruction, or Modification Commenced After May 18, 1978, and Prior to July 23, 1984 (12/14/2000) APPLIES TO S341 (Tank 208), S342 (Tank 209), S343 (Tank 210)**		
60.110a(a)	Applicability and Designation of Affected Facility	Y	
40 CFR 63, Subpart G	**SOCMI HON G (01/27/1995) REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS**		
63.119(a)	Storage Vessel Provisions -- Reference Control Technology	Y	
63.119(a)(1)	Storage Vessel Provisions -- Reference Control Technology--Group 1, TVP < 76.6 kPa	Y	
63.119(c)	Storage Vessel Provisions -- Reference Control Technology-- External floating roof	Y	
63.119(c)(1)	Storage Vessel Provisions -- Reference Control Technology-- External floating roof seals	Y	
63.119(c)(1)(i)	Storage Vessel Provisions -- Reference Control Technology-- External floating roof double seals required	Y	
63.119(c)(1)(ii)	Storage Vessel Provisions -- Reference Control Technology-- External floating roof primary seal requirements – metallic shoe or liquid-mounted	Y	
63.119(c)(1)(iii)	Storage Vessel Provisions -- Reference Control Technology-- External floating roof seal requirements	Y	

IV. Source Specific Applicable Requirements

Table IV – BB.14
Source-Specific Applicable Requirements
NSPS K AND NSPS KA ZERO-GAP EXTERNAL FLOATING ROOF TANKS
NSPS K - S334 (TANK 107),
NSPS KA - S341 (TANK 208), S342 (TANK 209), S343 (TANK 210)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce-able (Y/N)	Future Effective Date
63.119(c)(3)	Storage Vessel Provisions -- Reference Control Technology-- External floating roof--Must float on liquid	Y	
63.119(c)(3)(i)	Storage Vessel Provisions -- Reference Control Technology-- External floating roof --Must float on liquid except during initial fill	Y	
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	
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	
63.119(c)(4)	Storage Vessel Provisions -- Reference Control Technology-- External Floating Roof Operations, when not floating	Y	
63.120(b)	Storage Vessel Provisions -- Procedures to Determine Compliance-- Compliance Demonstration--External floating roof	Y	
63.120(b)(1)	Storage Vessel Provisions -- Procedures to Determine Compliance-- External FR seal gap measurement	Y	
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	
63.120(b)(1)(iii)	Storage Vessel Provisions -- Procedures to Determine Compliance-- External FR with double seals - secondary seal gap measurement – annual requirement	Y	
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	
63.120(b)(2)	Storage Vessel Provisions -- Procedures to Determine Compliance-- External FR seal gap determination methods	Y	
63.120(b)(2)(i)	Storage Vessel Provisions -- Procedures to Determine Compliance-- External FR seal gap determination methods – roof not resting on legs	Y	
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	
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	
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	
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	

IV. Source Specific Applicable Requirements

Table IV – BB.14
Source-Specific Applicable Requirements
NSPS K AND NSPS KA ZERO-GAP EXTERNAL FLOATING ROOF TANKS
NSPS K - S334 (TANK 107),
NSPS KA - S341 (TANK 208), S342 (TANK 209), S343 (TANK 210)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce-able (Y/N)	Future Effective Date
63.120(b)(5)	Storage Vessel Provisions -- Procedures to Determine Compliance-- External FR primary seal additional requirements	Y	
63.120(b)(5)(i)	Storage Vessel Provisions -- Procedures to Determine Compliance-- External FR primary seal additional requirements – metallic shoe seal – shoe geometry	Y	
63.120(b)(5)(ii)	Storage Vessel Provisions -- Procedures to Determine Compliance-- External FR primary seal additional requirements – no holes, tears, or openings	Y	
63.120(b)(6)	Storage Vessel Provisions -- Procedures to Determine Compliance-- External FR secondary seal requirements	Y	
63.120(b)(6)(i)	Storage Vessel Provisions -- Procedures to Determine Compliance-- External FR secondary seal requirements – location and extent	Y	
63.120(b)(6)(ii)	Storage Vessel Provisions -- Procedures to Determine Compliance-- External FR secondary seal requirements - no holes, tears or openings	Y	
63.120(b)(7)	Storage Vessel Provisions -- Procedures to Determine Compliance-- External FR unsafe to perform seal measurements or inspect the tank	Y	
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 63.120(b)(7)(ii)	Y	
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 63.120(b)(7)(i). Two 30 day extensions are allowed to empty the tank. Decision to use extension must be documented.	Y	
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	
63.120(b)(9)	Storage Vessel Provisions -- Procedures to Determine Compliance External FR seal gap measurement 30 day notification	Y	
63.120(b)(10)	Storage Vessel Provisions -- Procedures to Determine Compliance-- External FR and seals visual inspection each time emptied	Y	
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 63.646(e)	Y	
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	

IV. Source Specific Applicable Requirements

Table IV – BB.14
Source-Specific Applicable Requirements
NSPS K AND NSPS KA ZERO-GAP EXTERNAL FLOATING ROOF TANKS
NSPS K - S334 (TANK 107),
NSPS KA - S341 (TANK 208), S342 (TANK 209), S343 (TANK 210)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce-able (Y/N)	Future Effective Date
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	
63.123(a)	Storage Vessel Provisions -- Recordkeeping--Group 1 and Group 2 storage vessel dimensions and capacity. Keep for life of source.	Y	
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	
63.123(g)	Storage Vessel Provisions -- Recordkeeping, Extensions for emptying storage vessel – keep documentation specified	Y	
40 CFR 63, Subpart CC	**National Emission Standards for Hazardous Air Pollutants for Petroleum Refineries (06/12/1996) REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS ALSO SUBJECT TO NSPS Subparts K OR Ka**		
63.640(c)(2)	Applicability and Designation of Storage Vessels	Y	
63.640(n)(5)	Applicability and Designation of Affected Source Overlap for Storage Vessels— Group 1 vessel also subject to NSPS, Subparts K or Ka only subject to 63 Subpart CC	Y	
63.646(a)	Storage Vessel Provisions-Group 1	Y	
63.646(b)(1)	Storage Vessel Provisions-Determine stored liquid % OHAP for group determination	Y	
63.646(b)(2)	Storage Vessel Provisions-Determine stored liquid % OHAP-method 18 to resolve disputes	Y	
63.646(c)	Storage Vessel Provisions—63 Subpart G exclusions for storage vessels [EFRs exempt from 63.119(c)(2)]	Y	
63.646(d)	Storage Vessel Provisions-References	Y	
63.646(d)(2)	Storage Vessel Provisions-References to April 22,1994	Y	
63.646(d)(3)	Storage Vessel Provisions-References to December 31, 1992	Y	
63.646(d)(4)	Storage Vessel Provisions-References to compliance dates in 63.100 of Subpart F	Y	
63.646(e)	Storage Vessel Provisions—Exceptions for compliance with inspection requirements of 63.120 of Subpart G – Not required to comply with provisions for gaskets, slotted membranes, and sleeve seals.	Y	
63.646(f)	Storage Vessel Provisions-Group 1 floating roof requirements	Y	
63.646(f)(1)	Storage Vessel Provisions—Group 1 floating roof requirements-Covers or lids closed except when in use	Y	
63.646(f)(2)	Storage Vessel Provisions-Group 1 floating roof requirements-Rim space vents requirements	Y	
63.646(f)(3)	Storage Vessel Provisions-Group 1 floating roof requirements-Automatic bleeder vents requirements	Y	
63.646(l)	Storage Vessel Provisions-State or local permitting agency notification requirements	Y	

IV. Source Specific Applicable Requirements

Table IV – BB.14
Source-Specific Applicable Requirements
NSPS K AND NSPS KA ZERO-GAP EXTERNAL FLOATING ROOF TANKS
NSPS K - S334 (TANK 107),
NSPS KA - S341 (TANK 208), S342 (TANK 209), S343 (TANK 210)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce-able (Y/N)	Future Effective Date
63.654(f)	Reporting and Recordkeeping Requirements-Notice of compliance status report requirements	Y	
63.654(f)(1)	Reporting and Recordkeeping Requirements-Notice of compliance status report requirements	Y	
63.654(f)(1)(i)	Reporting and Recordkeeping Requirements-Notice of compliance status report requirements-Reporting--storage vessels	Y	
63.654(f)(1)(i)(A)	Reporting and Recordkeeping Requirements-Notice of compliance status report requirements-Reporting--storage vessels	Y	
63.654(f)(1)(i)(A)(1)	Reporting and Recordkeeping Requirements-Notice of compliance status report requirements-Reporting--storage vessels	Y	
63.654(g)	Periodic Reporting and Recordkeeping Requirements	Y	
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	
63.654(g)(3)	Periodic Reporting and Recordkeeping Requirements-storage vessels with external floating roofs	Y	
63.654(g)(3)(i)	Periodic Reporting and Recordkeeping Requirements-storage vessels with external floating roofs-document results of each seal gap measurement	Y	
63.654(g)(3)(ii)	Periodic Reporting and Recordkeeping Requirements-storage vessels with external floating roofs – extension documentation	Y	
63.654(g)(3)(iii)	Periodic Reporting and Recordkeeping Requirements-storage vessels with external floating roofs – documentation of failures	Y	
63.654(h)(2)	Reporting and Recordkeeping Requirements-Other reports-Storage vessel notification of inspections.	Y	
63.654(h)(2)(i)	Reporting and Recordkeeping Requirements-Other reports-Storage vessel notification of inspections – refilling Group 1 storage vessel.	Y	
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	
63.654(h)(6)	Reporting and Recordkeeping Requirements-Other reports-Determination of Applicability	Y	
63.654(h)(6)(ii)	Reporting and Recordkeeping Requirements-Other reports-Determination of Applicability	Y	
63.654(i)(1)	Reporting and Recordkeeping Requirements-Recordkeeping for storage vessels – keep records specified in 63.123 (Subpart G)	Y	
63.654(i)(1)(i)	Reporting and Recordkeeping Requirements-Recordkeeping for storage vessels– keep records specified in 63.123 (Subpart G) except records related to gaskets, slotted membranes, and sleeve seals for vessels in existing sources	Y	
63.654(i)(4)	Reporting and Recordkeeping Requirements—Recordkeeping for	Y	

IV. Source Specific Applicable Requirements

Table IV – BB.14
Source-Specific Applicable Requirements
NSPS K AND NSPS KA ZERO-GAP EXTERNAL FLOATING ROOF TANKS
NSPS K - S334 (TANK 107),
NSPS KA - S341 (TANK 208), S342 (TANK 209), S343 (TANK 210)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce-able (Y/N)	Future Effective Date
	storage vessels-Record retention – 5 years		
BAAQMD Condition 22478			
Part 4	Vapor pressure limit [Basis: cumulative increase]	Y	
Part 6	Throughput limit for S334 [Basis: cumulative increase]	Y	
Part 7	BACT equipment requirements for S123, S124, S186, and S334 [Basis: BACT, cumulative increase]	Y	

Table IV – BB.15a
Source-Specific Applicable Requirements
MACT FIXED ROOF TANKS WITH VAPOR RECOVERY TO FUEL GAS
S137 (Tank 202), S139 (Tank 204), S140 (Tank 205)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce-able (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	

IV. Source Specific Applicable Requirements

Table IV – BB.15a
Source-Specific Applicable Requirements
MACT FIXED ROOF TANKS WITH VAPOR RECOVERY TO FUEL GAS
S137 (Tank 202), S139 (Tank 204), S140 (Tank 205)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce-able (Y/N)	Future Effective Date
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	
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	
BAAQMD · Regulation 8, Rule 8	**Organic Compounds, Wastewater (Oil-Water Separators) (9/15/2004)**		
8-8-302	Wastewater Separators Larger than or Equal to 18.9 Liters per Second	N	
8-8-302.3	Requirements for separators with fixed roofs and control device	Y	
8-8-303	Gauging and Sampling Devices	Y	
8-8-503	Inspection and Repair Records	Y	
8-8-504	Portable Hydrocarbon Detector	Y	
8-8-505	Records for Wastewater Collection System Components at Petroleum Refineries	N	
8-8-603	Inspection procedures	N	

IV. Source Specific Applicable Requirements

Table IV – BB.15a
Source-Specific Applicable Requirements
MACT FIXED ROOF TANKS WITH VAPOR RECOVERY TO FUEL GAS
S137 (Tank 202), S139 (Tank 204), S140 (Tank 205)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce-able (Y/N)	Future Effective Date
SIP Regulation 8, Rule 8	**Organic Compounds, Wastewater (Oil-Water Separators) (8/29/94)**		
8-8-505	Records for Wastewater Collection System Components at Petroleum Refineries	Y	
40 CFR 60, Subpart K	**Standards of Performance for Storage Vessels for Volatile Organic Liquid Storage Vessels for Which Construction, Reconstruction, or Modification Commenced After June 11, 1973, and Prior to May 19, 1978 (4/4/1980)** **EXEMPTION FOR TANKS NOT CONTAINING PETROLEUM LIQUIDS (Applicable to S139 only)**		
60.111(b)	Definitions: Petroleum liquids	Y	
40 CFR 63, Subpart CC	**National Emission Standards for Hazardous Air Pollutants for Petroleum Refineries (8/18/95)** **EXEMPTION FOR TANKS VENTED TO FUEL GAS SYSTEM**		
63.640(c)(2)	Applicability and Designation of Storage Vessels	Y	
63.640(d)(5)	Exemption for emission points routed to fuel gas system	Y	
BAAQMD Condition 20989, Part A	Throughput limits for sources S139, S140 [Basis: 2-1-234.3]	N	
BAAQMD Condition 22518	**APPLICABLE TO S137**		
Part 2	Vapor pressure limit [Cumulative increase]	Y	
Part 3	Throughput limit [Cumulative increase]	Y	
Part 4	Control requirement [Cumulative increase]	Y	
Part 5	Prohibition on tank cleaning when switching products [Cumulative increase]	Y	

IV. Source Specific Applicable Requirements

Table IV – BB.15b
Source-Specific Applicable Requirements
MACT FIXED ROOF TANKS WITH VAPOR RECOVERY TO FUEL GAS
S182 (Tank 294)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce-able (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	

IV. Source Specific Applicable Requirements

Table IV – BB.15b
Source-Specific Applicable Requirements
MACT FIXED ROOF TANKS WITH VAPOR RECOVERY TO FUEL GAS
S182 (Tank 294)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce-able (Y/N)	Future Effective Date
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	
40 CFR 63, Subpart CC	**National Emission Standards for Hazardous Air Pollutants for Petroleum Refineries (8/18/95) EXEMPTION FOR TANKS VENTED TO FUEL GAS SYSTEM**		
63.640(c)(2)	Applicability and Designation of Storage Vessels	Y	
63.640(d)(5)	Exemption for emission points routed to fuel gas system	Y	
BAAQMD Condition 13184			
Part 1	Requirement to vent emissions to fuel gas system [Basis: Cumulative Increase]	Y	

Table IV – BB.16
Source-Specific Applicable Requirements
MACT ZERO-GAP EXTERNAL FLOATING ROOF WASTEWATER SLOP OIL TANK
S133 (TANK 193)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce-able (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	

IV. Source Specific Applicable Requirements

Table IV – BB.16
Source-Specific Applicable Requirements
MACT ZERO-GAP EXTERNAL FLOATING ROOF WASTEWATER SLOP OIL TANK
S133 (TANK 193)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce-able (Y/N)	Future Effective Date
8-5-111.1.2	Limited Exemption, Tank Removal From and Return to Service, Notification, Telephone notification	Y	
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service, Tank in compliance prior to notification	Y	
8-5-111.3	Limited Exemption, Tank Removal From and Return to Service, Floating roof tanks	Y	
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service, Minimize emissions	Y	
8-5-111.6	Limited Exemption, Tank Removal From and Return to Service, Notice of completion not required	Y	
8-5-111.7	Limited Exemption, Tank Removal From and Return to Service, Satisfy requirements of 8-5-328	Y	
8-5-112	Limited Exemption, Tanks in Operation	Y	
8-5-112.1	Limited Exemption, Tanks in Operation, Notification	Y	
8-5-112.1.1	Limited Exemption, Tanks in Operation, Notification, 3 day prior notification	Y	
8-5-112.1.2	Limited Exemption, Tanks in Operation, Notification, Telephone notification	Y	
8-5-112.2	Limited Exemption, Tanks in Operation, Tank in compliance prior to start of work. Certified per 8-5-404	Y	
8-5-112.3	Limited Exemption, Tanks in Operation, No product movement, Minimize emissions	Y	
8-5-112.4	Limited Exemption, Tanks in Operation, Not to exceed 7 days	Y	
8-5-301	Storage Tank Control Requirements (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	
8-5-320.2	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	Y	

IV. Source Specific Applicable Requirements

Table IV – BB.16
Source-Specific Applicable Requirements
MACT ZERO-GAP EXTERNAL FLOATING ROOF WASTEWATER SLOP OIL TANK
S133 (TANK 193)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce-able (Y/N)	Future Effective Date
	requirements-projection below liquid surface		
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	
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	

IV. Source Specific Applicable Requirements

Table IV – BB.16
Source-Specific Applicable Requirements
MACT ZERO-GAP EXTERNAL FLOATING ROOF WASTEWATER SLOP OIL TANK
S133 (TANK 193)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce-able (Y/N)	Future Effective Date
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	
40 CFR 63, Subpart G	**SOCMI HON G (01/27/1995) REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS**		
63.119(a)	Storage Vessel Provisions -- Reference Control Technology	Y	
63.119(a)(1)	Storage Vessel Provisions -- Reference Control Technology--Group 1, TVP < 76.6 kPa	Y	
63.119(c)	Storage Vessel Provisions -- Reference Control Technology-- External floating roof	Y	
63.119(c)(1)	Storage Vessel Provisions -- Reference Control Technology-- External floating roof seals	Y	
63.119(c)(1)(i)	Storage Vessel Provisions -- Reference Control Technology-- External floating roof double seals required	Y	
63.119(c)(1)(ii)	Storage Vessel Provisions -- Reference Control Technology-- External floating roof primary seal requirements – metallic shoe or liquid-mounted	Y	
63.119(c)(1)(iii)	Storage Vessel Provisions -- Reference Control Technology-- External floating roof seal requirements	Y	
63.119(c)(3)	Storage Vessel Provisions -- Reference Control Technology-- External floating roof--Must float on liquid	Y	
63.119(c)(3)(i)	Storage Vessel Provisions -- Reference Control Technology-- External floating roof --Must float on liquid except during initial fill	Y	
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	
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	
63.119(c)(4)	Storage Vessel Provisions -- Reference Control Technology-- External Floating Roof Operations, when not floating	Y	
63.120(b)	Storage Vessel Provisions -- Procedures to Determine Compliance--	Y	

IV. Source Specific Applicable Requirements

Table IV – BB.16
Source-Specific Applicable Requirements
MACT ZERO-GAP EXTERNAL FLOATING ROOF WASTEWATER SLOP OIL TANK
S133 (TANK 193)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce-able (Y/N)	Future Effective Date
	Compliance Demonstration--External floating roof		
63.120(b)(1)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR seal gap measurement	Y	
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	
63.120(b)(1)(iii)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR with double seals - secondary seal gap measurement – annual requirement	Y	
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	
63.120(b)(2)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR seal gap determination methods	Y	
63.120(b)(2)(i)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR seal gap determination methods – roof not resting on legs	Y	
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	
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	
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	
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	
63.120(b)(5)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR primary seal additional requirements	Y	
63.120(b)(5)(i)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR primary seal additional requirements – metallic shoe seal – shoe geometry	Y	
63.120(b)(5)(ii)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR primary seal additional requirements – no holes, tears, or openings	Y	
63.120(b)(6)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR secondary seal requirements	Y	
63.120(b)(6)(i)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR secondary seal requirements – location and extent	Y	
63.120(b)(6)(ii)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR secondary seal requirements - no holes, tears or	Y	

IV. Source Specific Applicable Requirements

Table IV – BB.16
Source-Specific Applicable Requirements
MACT ZERO-GAP EXTERNAL FLOATING ROOF WASTEWATER SLOP OIL TANK
S133 (TANK 193)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce-able (Y/N)	Future Effective Date
	openings		
63.120(b)(7)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR unsafe to perform seal measurements or inspect the tank	Y	
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 63.120(b)(7)(ii)	Y	
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 63.120(b)(7)(i). Two 30 day extensions are allowed to empty the tank. Decision to use extension must be documented.	Y	
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	
63.120(b)(9)	Storage Vessel Provisions -- Procedures to Determine Compliance External FR seal gap measurement 30 day notification	Y	
63.120(b)(10)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR and seals visual inspection each time emptied	Y	
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 63.646(e)]	Y	
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	
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	
63.123(a)	Storage Vessel Provisions -- Recordkeeping--Group 1 and Group 2 storage vessel dimensions and capacity. Keep for life of source.	Y	
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	
63.123(g)	Storage Vessel Provisions -- Recordkeeping, Extensions for emptying storage vessel – keep documentation specified	Y	
40 CFR 63, Subpart CC	**National Emission Standards for Hazardous Air Pollutants for Petroleum Refineries (06/12/1996) REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS**		
63.640(c)(2)	Applicability and Designation of Storage Vessels	Y	

IV. Source Specific Applicable Requirements

Table IV – BB.16
Source-Specific Applicable Requirements
MACT ZERO-GAP EXTERNAL FLOATING ROOF WASTEWATER SLOP OIL TANK
S133 (TANK 193)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce-able (Y/N)	Future Effective Date
63.646(a)	Storage Vessel Provisions-Group 1	Y	
63.646(b)(1)	Storage Vessel Provisions-Determine stored liquid % OHAP for group determination	Y	
63.646(b)(2)	Storage Vessel Provisions-Determine stored liquid % OHAP-method 18 to resolve disputes	Y	
63.646(c)	Storage Vessel Provisions—63 Subpart G exclusions for storage vessels [EFRs exempt from 63.119(c)(2)]	Y	
63.646(d)	Storage Vessel Provisions-References	Y	
63.646(d)(2)	Storage Vessel Provisions-References to April 22,1994	Y	
63.646(d)(3)	Storage Vessel Provisions-References to December 31, 1992	Y	
63.646(d)(4)	Storage Vessel Provisions-References to compliance dates in 63.100 of Subpart F	Y	
63.646(e)	Storage Vessel Provisions—Exceptions for compliance with inspection requirements of 63.120 of Subpart G – Not required to comply with provisions for gaskets, slotted membranes, and sleeve seals.	Y	
63.646(f)	Storage Vessel Provisions-Group 1 floating roof requirements	Y	
63.646(f)(1)	Storage Vessel Provisions—Group 1 floating roof requirements-Covers or lids closed except when in use	Y	
63.646(f)(2)	Storage Vessel Provisions-Group 1 floating roof requirements-Rim space vents requirements	Y	
63.646(f)(3)	Storage Vessel Provisions-Group 1 floating roof requirements-Automatic bleeder vents requirements	Y	
63.646(l)	Storage Vessel Provisions-State or local permitting agency notification requirements	Y	
63.654(f)	Reporting and Recordkeeping Requirements-Notice of compliance status report requirements	Y	
63.654(f)(1)	Reporting and Recordkeeping Requirements-Notice of compliance status report requirements	Y	
63.654(f)(1)(i)	Reporting and Recordkeeping Requirements-Notice of compliance status report requirements-Reporting--storage vessels	Y	
63.654(f)(1)(i)(A)	Reporting and Recordkeeping Requirements-Notice of compliance status report requirements-Reporting--storage vessels	Y	
63.654(f)(1)(i)(A)(1)	Reporting and Recordkeeping Requirements-Notice of compliance status report requirements-Reporting--storage vessels	Y	
63.654(g)	Periodic Reporting and Recordkeeping Requirements	Y	
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	
63.654(g)(3)	Periodic Reporting and Recordkeeping Requirements-storage vessels with external floating roofs	Y	
63.654(g)(3)(i)	Periodic Reporting and Recordkeeping Requirements-storage vessels with external floating roofs-document results of each seal gap measurement	Y	

IV. Source Specific Applicable Requirements

Table IV – BB.16
Source-Specific Applicable Requirements
MACT ZERO-GAP EXTERNAL FLOATING ROOF WASTEWATER SLOP OIL TANK
S133 (TANK 193)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce-able (Y/N)	Future Effective Date
63.654(g)(3)(ii)	Periodic Reporting and Recordkeeping Requirements-storage vessels with external floating roofs – extension documentation	Y	
63.654(g)(3)(iii)	Periodic Reporting and Recordkeeping Requirements-storage vessels with external floating roofs – documentation of failures	Y	
63.654(h)(2)	Reporting and Recordkeeping Requirements-Other reports-Storage vessel notification of inspections.	Y	
63.654(h)(2)(i)	Reporting and Recordkeeping Requirements-Other reports-Storage vessel notification of inspections – refilling Group 1 storage vessel.	Y	
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	
63.654(h)(6)	Reporting and Recordkeeping Requirements-Other reports-Determination of Applicability	Y	
63.654(h)(6)(ii)	Reporting and Recordkeeping Requirements-Other reports-Determination of Applicability	Y	
63.654(i)(1)	Reporting and Recordkeeping Requirements-Recordkeeping for storage vessels – keep records specified in 63.123 (Subpart G)	Y	
63.654(i)(1)(i)	Reporting and Recordkeeping Requirements-Recordkeeping for storage vessels– keep records specified in 63.123 (Subpart G) except records related to gaskets, slotted membranes, and sleeve seals for vessels in existing sources	Y	
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 S133 [Basis: 2-1-234.3]	Y	

Table IV – BB.17
Source-Specific Applicable Requirements
NSPS KA EXTERNAL FLOATING ROOF TANK W/O ZERO-GAP SEALS
S340 (TANK 108)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce-able (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	

IV. Source Specific Applicable Requirements

Table IV – BB.17
Source-Specific Applicable Requirements
NSPS KA EXTERNAL FLOATING ROOF TANK W/O ZERO-GAP SEALS
S340 (TANK 108)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce-able (Y/N)	Future Effective Date
8-5-111.1.1	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO; 3 day prior notification	Y	
8-5-111.1.2	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO; Telephone notification	Y	
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service; Compliance before notification	Y	
8-5-111.3	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	
8-5-320.3	Tank fitting requirements – Floating roof tanks, Gasketed covers, seals, lids –	Y	

IV. Source Specific Applicable Requirements

Table IV – BB.17
Source-Specific Applicable Requirements
NSPS KA EXTERNAL FLOATING ROOF TANK W/O ZERO-GAP SEALS
S340 (TANK 108)

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

IV. Source Specific Applicable Requirements

Table IV – BB.17
Source-Specific Applicable Requirements
NSPS KA EXTERNAL FLOATING ROOF TANK W/O ZERO-GAP SEALS
S340 (TANK 108)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce-able (Y/N)	Future Effective Date
	24 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	
40 CFR 60, Subpart Ka	**Standards of Performance for Storage Vessels for Volatile Organic Liquid Storage Vessels for Which Construction, Reconstruction, or Modification Commenced After May 18, 1978, and Prior to July 23, 1984 (12/14/2000)**		
60.110a(a)	Applicability and Designation of Affected Facility	Y	
40 CFR 63, Subpart G	**SOCMI HON G (01/27/1995) REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS**		
63.119(a)	Storage Vessel Provisions -- Reference Control Technology	Y	
63.119(a)(1)	Storage Vessel Provisions -- Reference Control Technology-- Group 1, TVP < 76.6 kPa	Y	
63.119(c)	Storage Vessel Provisions -- Reference Control Technology-- External floating roof	Y	
63.119(c)(1)	Storage Vessel Provisions -- Reference Control Technology-- External floating roof seals	Y	
63.119(c)(1)(i)	Storage Vessel Provisions -- Reference Control Technology-- External floating roof double seals required	Y	
63.119(c)(1)(ii)	Storage Vessel Provisions -- Reference Control Technology-- External floating roof primary seal requirements – metallic shoe or liquid-mounted	Y	
63.119(c)(1)(iii)	Storage Vessel Provisions -- Reference Control Technology-- External floating roof seal requirements	Y	
63.119(c)(3)	Storage Vessel Provisions -- Reference Control Technology-- External floating roof--Must float on liquid	Y	
63.119(c)(3)(i)	Storage Vessel Provisions -- Reference Control Technology-- External floating roof --Must float on liquid except during initial fill	Y	
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	
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	
63.119(c)(4)	Storage Vessel Provisions -- Reference Control Technology-- External Floating Roof Operations, when not floating	Y	
63.120(b)	Storage Vessel Provisions -- Procedures to Determine Compliance--Compliance Demonstration--External floating roof	Y	
63.120(b)(1)	Storage Vessel Provisions -- Procedures to Determine	Y	

IV. Source Specific Applicable Requirements

Table IV – BB.17
Source-Specific Applicable Requirements
NSPS KA EXTERNAL FLOATING ROOF TANK W/O ZERO-GAP SEALS
S340 (TANK 108)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce-able (Y/N)	Future Effective Date
	Compliance--External FR seal gap measurement		
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	
63.120(b)(1)(iii)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR with double seals - secondary seal gap measurement – annual requirement	Y	
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	
63.120(b)(2)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR seal gap determination methods	Y	
63.120(b)(2)(i)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR seal gap determination methods – roof not resting on legs	Y	
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	
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	
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	
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	
63.120(b)(5)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR primary seal additional requirements	Y	
63.120(b)(5)(i)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR primary seal additional requirements – metallic shoe seal – shoe geometry	Y	
63.120(b)(5)(ii)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR primary seal additional requirements – no holes, tears, or openings	Y	
63.120(b)(6)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR secondary seal requirements	Y	
63.120(b)(6)(i)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR secondary seal requirements – location and extent	Y	
63.120(b)(6)(ii)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR secondary seal requirements - no holes,	Y	

IV. Source Specific Applicable Requirements

Table IV – BB.17
Source-Specific Applicable Requirements
NSPS KA EXTERNAL FLOATING ROOF TANK W/O ZERO-GAP SEALS
S340 (TANK 108)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce-able (Y/N)	Future Effective Date
	tears or openings		
63.120(b)(7)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR unsafe to perform seal measurements or inspect the tank	Y	
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 63.120(b)(7)(ii)	Y	
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 63.120(b)(7)(i). Two 30 day extensions are allowed to empty the tank. Decision to use extension must be documented.	Y	
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	
63.120(b)(9)	Storage Vessel Provisions -- Procedures to Determine Compliance External FR seal gap measurement 30 day notification	Y	
63.120(b)(10)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR and seals visual inspection each time emptied	Y	
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 63.646(e)]	Y	
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	
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	
63.123(a)	Storage Vessel Provisions -- Recordkeeping--Group 1 and Group 2 storage vessel dimensions and capacity. Keep for life of source.	Y	
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	
63.123(g)	Storage Vessel Provisions -- Recordkeeping, Extensions for emptying storage vessel – keep documentation specified	Y	
40 CFR 63, Subpart	**National Emission Standards for Hazardous Air Pollutants for**		

IV. Source Specific Applicable Requirements

Table IV – BB.17
Source-Specific Applicable Requirements
NSPS KA EXTERNAL FLOATING ROOF TANK W/O ZERO-GAP SEALS
S340 (TANK 108)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce-able (Y/N)	Future Effective Date
CC	**Petroleum Refineries (06/12/1996) REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS ALSO SUBJECT TO NSPS, Subparts K or Ka**		
63.640(c)(2)	Applicability and Designation of Storage Vessels	Y	
63.640(n)(5)	Applicability and Designation of Affected Source Overlap for Storage Vessels— Group 1 vessel also subject to NSPS, Subparts K or Ka only subject to 63 Subpart CC	Y	
63.646(a)	Storage Vessel Provisions-Group 1	Y	
63.646(b)(1)	Storage Vessel Provisions-Determine stored liquid % OHAP for group determination	Y	
63.646(b)(2)	Storage Vessel Provisions-Determine stored liquid % OHAP-method 18 to resolve disputes	Y	
63.646(c)	Storage Vessel Provisions—63 Subpart G exclusions for storage vessels [EFRs exempt from 63.119(c)(2)]	Y	
63.646(d)	Storage Vessel Provisions-References	Y	
63.646(d)(2)	Storage Vessel Provisions-References to April 22,1994	Y	
63.646(d)(3)	Storage Vessel Provisions-References to December 31, 1992	Y	
63.646(d)(4)	Storage Vessel Provisions-References to compliance dates in 63.100 of Subpart F	Y	
63.646(e)	Storage Vessel Provisions—Exceptions for compliance with inspection requirements of 63.120 of Subpart G – Not required to comply with provisions for gaskets, slotted membranes, and sleeve seals.	Y	
63.646(f)	Storage Vessel Provisions-Group 1 floating roof requirements	Y	
63.646(f)(1)	Storage Vessel Provisions—Group 1 floating roof requirements-Covers or lids closed except when in use	Y	
63.646(f)(2)	Storage Vessel Provisions-Group 1 floating roof requirements-Rim space vents requirements	Y	
63.646(f)(3)	Storage Vessel Provisions-Group 1 floating roof requirements-Automatic bleeder vents requirements	Y	
63.646(l)	Storage Vessel Provisions-State or local permitting agency notification requirements	Y	
63.654(f)	Reporting and Recordkeeping Requirements-Notice of compliance status report requirements	Y	
63.654(f)(1)	Reporting and Recordkeeping Requirements-Notice of compliance status report requirements	Y	
63.654(f)(1)(i)	Reporting and Recordkeeping Requirements-Notice of compliance status report requirements-Reporting--storage vessels	Y	
63.654(f)(1)(i)(A)	Reporting and Recordkeeping Requirements-Notice of compliance status report requirements-Reporting--storage vessels	Y	
63.654(f)(1)(i)(A)(1)	Reporting and Recordkeeping Requirements-Notice of compliance status report requirements-Reporting--storage vessels	Y	
63.654(g)	Periodic Reporting and Recordkeeping Requirements	Y	
63.654(g)(1)	Periodic Reporting and Recordkeeping Requirements-storage vessels [Information related to gaskets, slotted membranes, and	Y	

IV. Source Specific Applicable Requirements

Table IV – BB.17
Source-Specific Applicable Requirements
NSPS KA EXTERNAL FLOATING ROOF TANK W/O ZERO-GAP SEALS
S340 (TANK 108)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce-able (Y/N)	Future Effective Date
	sleeve seals not required for storage vessels that are part of existing source]		
63.654(g)(3)	Periodic Reporting and Recordkeeping Requirements-storage vessels with external floating roofs	Y	
63.654(g)(3)(i)	Periodic Reporting and Recordkeeping Requirements-storage vessels with external floating roofs-document results of each seal gap measurement	Y	
63.654(g)(3)(ii)	Periodic Reporting and Recordkeeping Requirements-storage vessels with external floating roofs – extension documentation	Y	
63.654(g)(3)(iii)	Periodic Reporting and Recordkeeping Requirements-storage vessels with external floating roofs – documentation of failures	Y	
63.654(h)(2)	Reporting and Recordkeeping Requirements-Other reports-Storage vessel notification of inspections.	Y	
63.654(h)(2)(i)	Reporting and Recordkeeping Requirements-Other reports-Storage vessel notification of inspections – refilling Group 1 storage vessel.	Y	
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	
63.654(h)(6)	Reporting and Recordkeeping Requirements-Other reports-Determination of Applicability	Y	
63.654(h)(6)(ii)	Reporting and Recordkeeping Requirements-Other reports-Determination of Applicability	Y	
63.654(i)(1)	Reporting and Recordkeeping Requirements-Recordkeeping for storage vessels – keep records specified in 63.123 (Subpart G)	Y	
63.654(i)(1)(i)	Reporting and Recordkeeping Requirements-Recordkeeping for storage vessels– keep records specified in 63.123 (Subpart G) except records related to gaskets, slotted membranes, and sleeve seals for vessels in existing sources	Y	
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 S340 [Basis: 2-1-234.3]	Y	

IV. Source Specific Applicable Requirements

Table IV – BB.18
Source-Specific Applicable Requirements
MACT EXTERNAL FLOATING ROOF TANKS W/O ZERO-GAP SEALS
S113 (TANK 158), S125 (TANK 170),
S183 (TANK 295), S184 (TANK 296), S261 (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	
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 S113 (Tank 158), S125 (Tank 170))	Y	
8-5-303.1	Requirements for Pressure Vacuum Valves; Set pressure (applicable to S113 (Tank 158), S125 (Tank 170))	Y	
8-5-303.2	Requirements for Pressure Vacuum Valves; Installation, maintenance, operation (applicable to S113 (Tank 158), S125 (Tank 170))	Y	

IV. Source Specific Applicable Requirements

Table IV – BB.18
Source-Specific Applicable Requirements
MACT EXTERNAL FLOATING ROOF TANKS W/O ZERO-GAP SEALS
S113 (TANK 158), S125 (TANK 170), S183 (TANK 295), S184 (TANK 296), S261 (TANK 1010)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-5-304	Requirements for External Floating Roofs	Y	
8-5-304.1	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 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	

IV. Source Specific Applicable Requirements

Table IV – BB.18
Source-Specific Applicable Requirements
MACT EXTERNAL FLOATING ROOF TANKS W/O ZERO-GAP SEALS
S113 (TANK 158), S125 (TANK 170), S183 (TANK 295), S184 (TANK 296), S261 (TANK 1010)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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 S113 (Tank 158), S125 (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 S113 (Tank 158), S125 (Tank 170))	Y	
40 CFR 63, Subpart G	**SOCMI HON G (01/27/1995) REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS**		
63.119(a)	Storage Vessel Provisions -- Reference Control Technology	Y	
63.119(a)(1)	Storage Vessel Provisions -- Reference Control Technology--Group 1, TVP < 76.6 kPa	Y	
63.119(c)	Storage Vessel Provisions -- Reference Control Technology-- External floating roof	Y	
63.119(c)(1)	Storage Vessel Provisions -- Reference Control Technology-- External floating roof seals	Y	
63.119(c)(1)(i)	Storage Vessel Provisions -- Reference Control Technology-- External floating roof double seals required	Y	
63.119(c)(1)(ii)	Storage Vessel Provisions -- Reference Control Technology-- External floating roof primary seal requirements – metallic shoe or liquid-mounted	Y	
63.119(c)(1)(iii)	Storage Vessel Provisions -- Reference Control Technology-- External floating roof seal requirements	Y	
63.119(c)(3)	Storage Vessel Provisions -- Reference Control Technology-- External floating roof--Must float on liquid	Y	

IV. Source Specific Applicable Requirements

Table IV – BB.18
Source-Specific Applicable Requirements
MACT EXTERNAL FLOATING ROOF TANKS W/O ZERO-GAP SEALS
S113 (TANK 158), S125 (TANK 170), S183 (TANK 295), S184 (TANK 296), S261 (TANK 1010)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.119(c)(3)(i)	Storage Vessel Provisions -- Reference Control Technology-- External floating roof --Must float on liquid except during initial fill	Y	
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	
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	
63.119(c)(4)	Storage Vessel Provisions -- Reference Control Technology-- External Floating Roof Operations, when not floating	Y	
63.120(b)	Storage Vessel Provisions -- Procedures to Determine Compliance-- Compliance Demonstration--External floating roof	Y	
63.120(b)(1)	Storage Vessel Provisions -- Procedures to Determine Compliance-- External FR seal gap measurement	Y	
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	
63.120(b)(1)(iii)	Storage Vessel Provisions -- Procedures to Determine Compliance-- External FR with double seals - secondary seal gap measurement – annual requirement	Y	
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	
63.120(b)(2)	Storage Vessel Provisions -- Procedures to Determine Compliance-- External FR seal gap determination methods	Y	
63.120(b)(2)(i)	Storage Vessel Provisions -- Procedures to Determine Compliance-- External FR seal gap determination methods – roof not resting on legs	Y	
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	
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	
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	
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	
63.120(b)(5)	Storage Vessel Provisions -- Procedures to Determine Compliance-- External FR primary seal additional requirements	Y	

IV. Source Specific Applicable Requirements

Table IV – BB.18
Source-Specific Applicable Requirements
MACT EXTERNAL FLOATING ROOF TANKS W/O ZERO-GAP SEALS
S113 (TANK 158), S125 (TANK 170), S183 (TANK 295), S184 (TANK 296), S261 (TANK 1010)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.120(b)(5)(i)	Storage Vessel Provisions -- Procedures to Determine Compliance-- External FR primary seal additional requirements – metallic shoe seal – shoe geometry	Y	
63.120(b)(5)(ii)	Storage Vessel Provisions -- Procedures to Determine Compliance-- External FR primary seal additional requirements – no holes, tears, or openings	Y	
63.120(b)(6)	Storage Vessel Provisions -- Procedures to Determine Compliance-- External FR secondary seal requirements	Y	
63.120(b)(6)(i)	Storage Vessel Provisions -- Procedures to Determine Compliance-- External FR secondary seal requirements – location and extent	Y	
63.120(b)(6)(ii)	Storage Vessel Provisions -- Procedures to Determine Compliance-- External FR secondary seal requirements - no holes, tears or openings	Y	
63.120(b)(7)	Storage Vessel Provisions -- Procedures to Determine Compliance-- External FR unsafe to perform seal measurements or inspect the tank	Y	
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 63.120(b)(7)(ii)	Y	
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 63.120(b)(7)(i). Two 30 day extensions are allowed to empty the tank. Decision to use extension must be documented.	Y	
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	
63.120(b)(9)	Storage Vessel Provisions -- Procedures to Determine Compliance External FR seal gap measurement 30 day notification	Y	
63.120(b)(10)	Storage Vessel Provisions -- Procedures to Determine Compliance-- External FR and seals visual inspection each time emptied	Y	
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 63.646(e)]	Y	
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	
63.120(b)(10)(iii)	Storage Vessel Provisions -- Procedures to Determine Compliance-- External FR and seal visual inspection each time emptied –-	Y	

IV. Source Specific Applicable Requirements

Table IV – BB.18
Source-Specific Applicable Requirements
MACT EXTERNAL FLOATING ROOF TANKS W/O ZERO-GAP SEALS
S113 (TANK 158), S125 (TANK 170), S183 (TANK 295), S184 (TANK 296), S261 (TANK 1010)

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

IV. Source Specific Applicable Requirements

Table IV – BB.18
Source-Specific Applicable Requirements
MACT EXTERNAL FLOATING ROOF TANKS W/O ZERO-GAP SEALS
S113 (TANK 158), S125 (TANK 170), S183 (TANK 295), S184 (TANK 296), S261 (TANK 1010)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.654(f)(1)(i)(A)	Reporting and Recordkeeping Requirements-Notice of compliance status report requirements-Reporting--storage vessels	Y	
63.654(f)(1)(i)(A)(1)	Reporting and Recordkeeping Requirements-Notice of compliance status report requirements-Reporting--storage vessels	Y	
63.654(g)	Periodic Reporting and Recordkeeping Requirements	Y	
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	
63.654(g)(3)	Periodic Reporting and Recordkeeping Requirements-storage vessels with external floating roofs	Y	
63.654(g)(3)(i)	Periodic Reporting and Recordkeeping Requirements-storage vessels with external floating roofs-document results of each seal gap measurement	Y	
63.654(g)(3)(ii)	Periodic Reporting and Recordkeeping Requirements-storage vessels with external floating roofs – extension documentation	Y	
63.654(g)(3)(iii)	Periodic Reporting and Recordkeeping Requirements-storage vessels with external floating roofs – documentation of failures	Y	
63.654(h)(2)	Reporting and Recordkeeping Requirements-Other reports-Storage vessel notification of inspections.	Y	
63.654(h)(2)(i)	Reporting and Recordkeeping Requirements-Other reports-Storage vessel notification of inspections – refilling Group 1 storage vessel.	Y	
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	
63.654(h)(6)	Reporting and Recordkeeping Requirements-Other reports-Determination of Applicability	Y	
63.654(h)(6)(ii)	Reporting and Recordkeeping Requirements-Other reports-Determination of Applicability	Y	
63.654(i)(1)	Reporting and Recordkeeping Requirements-Recordkeeping for storage vessels – keep records specified in 63.123 (Subpart G)	Y	
63.654(i)(1)(i)	Reporting and Recordkeeping Requirements-Recordkeeping for storage vessels– keep records specified in 63.123 (Subpart G) except records related to gaskets, slotted membranes, and sleeve seals for vessels in existing sources	Y	
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 S113, S125, S261 [Basis: 2-1-234.3]	N	
BAAQMD Condition 20989, Part A	Throughput limits for sources S183, S184 [Basis: 2-1-234.3]	Y	

IV. Source Specific Applicable Requirements

Table IV – BB.19
Source-Specific Applicable Requirements
RIVETED MACT EXTERNAL FLOATING ROOF TANK
S216 (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	

IV. Source Specific Applicable Requirements

Table IV – BB.19
Source-Specific Applicable Requirements
RIVETED MACT EXTERNAL FLOATING ROOF TANK
S216 (TANK 695A)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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	
8-5-321.3.3	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	

IV. Source Specific Applicable Requirements

Table IV – BB.19
Source-Specific Applicable Requirements
RIVETED MACT EXTERNAL FLOATING ROOF TANK
S216 (TANK 695A)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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	
40 CFR 63, Subpart G	**SOCMI HON G (01/27/1995) REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS**		
63.119(a)	Storage Vessel Provisions -- Reference Control Technology	Y	
63.119(a)(1)	Storage Vessel Provisions -- Reference Control Technology--Group 1, TVP < 76.6 kPa	Y	
63.119(c)	Storage Vessel Provisions -- Reference Control Technology--External floating roof	Y	
63.119(c)(1)	Storage Vessel Provisions -- Reference Control Technology--External floating roof seals	Y	
63.119(c)(1)(i)	Storage Vessel Provisions -- Reference Control Technology--External floating roof double seals required	Y	
63.119(c)(1)(ii)	Storage Vessel Provisions -- Reference Control Technology--External floating roof primary seal requirements – metallic shoe or liquid-mounted	Y	
63.119(c)(1)(iii)	Storage Vessel Provisions -- Reference Control Technology--External floating roof seal requirements	Y	
63.119(c)(3)	Storage Vessel Provisions -- Reference Control Technology--External floating roof--Must float on liquid	Y	
63.119(c)(3)(i)	Storage Vessel Provisions -- Reference Control Technology--External floating roof --Must float on liquid except during initial fill	Y	
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	
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	
63.119(c)(4)	Storage Vessel Provisions -- Reference Control Technology--External Floating Roof Operations, when not floating	Y	
63.120(b)	Storage Vessel Provisions -- Procedures to Determine Compliance--Compliance Demonstration--External floating roof	Y	
63.120(b)(1)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR seal gap measurement	Y	
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	
63.120(b)(1)(iii)	Storage Vessel Provisions -- Procedures to Determine Compliance--	Y	

IV. Source Specific Applicable Requirements

Table IV – BB.19
Source-Specific Applicable Requirements
RIVETED MACT EXTERNAL FLOATING ROOF TANK
S216 (TANK 695A)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	External FR with double seals - secondary seal gap measurement – annual requirement		
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	
63.120(b)(2)	Storage Vessel Provisions -- Procedures to Determine Compliance-- External FR seal gap determination methods	Y	
63.120(b)(2)(i)	Storage Vessel Provisions -- Procedures to Determine Compliance-- External FR seal gap determination methods – roof not resting on legs	Y	
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	
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	
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	
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	
63.120(b)(5)	Storage Vessel Provisions -- Procedures to Determine Compliance-- External FR primary seal additional requirements	Y	
63.120(b)(5)(i)	Storage Vessel Provisions -- Procedures to Determine Compliance-- External FR primary seal additional requirements – metallic shoe seal – shoe geometry	Y	
63.120(b)(5)(ii)	Storage Vessel Provisions -- Procedures to Determine Compliance-- External FR primary seal additional requirements – no holes, tears, or openings	Y	
63.120(b)(6)	Storage Vessel Provisions -- Procedures to Determine Compliance-- External FR secondary seal requirements	Y	
63.120(b)(6)(i)	Storage Vessel Provisions -- Procedures to Determine Compliance-- External FR secondary seal requirements – location and extent	Y	
63.120(b)(6)(ii)	Storage Vessel Provisions -- Procedures to Determine Compliance-- External FR secondary seal requirements - no holes, tears or openings	Y	
63.120(b)(7)	Storage Vessel Provisions -- Procedures to Determine Compliance-- External FR unsafe to perform seal measurements or inspect the tank	Y	
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 63.120(b)(7)(ii)	Y	

IV. Source Specific Applicable Requirements

Table IV – BB.19
Source-Specific Applicable Requirements
RIVETED MACT EXTERNAL FLOATING ROOF TANK
S216 (TANK 695A)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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 63.120(b)(7)(i). Two 30 day extensions are allowed to empty the tank. Decision to use extension must be documented.	Y	
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	
63.120(b)(9)	Storage Vessel Provisions -- Procedures to Determine Compliance External FR seal gap measurement 30 day notification	Y	
63.120(b)(10)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR and seals visual inspection each time emptied	Y	
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 63.646(e)]	Y	
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	
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	
63.123(a)	Storage Vessel Provisions -- Recordkeeping--Group 1 and Group 2 storage vessel dimensions and capacity. Keep for life of source.	Y	
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	
63.123(g)	Storage Vessel Provisions -- Recordkeeping, Extensions for emptying storage vessel – keep documentation specified	Y	
40 CFR 63, Subpart CC	**National Emission Standards for Hazardous Air Pollutants for Petroleum Refineries (06/12/1996) REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS**		
63.640(c)(2)	Applicability and Designation of Storage Vessels	Y	
63.646(a)	Storage Vessel Provisions-Group 1	Y	
63.646(b)(1)	Storage Vessel Provisions-Determine stored liquid % OHAP for group determination	Y	
63.646(b)(2)	Storage Vessel Provisions-Determine stored liquid % OHAP-method 18 to resolve disputes	Y	
63.646(c)	Storage Vessel Provisions—63 Subpart G exclusions for storage vessels [EFRs exempt from 63.119(c)(2)]	Y	

IV. Source Specific Applicable Requirements

Table IV – BB.19
Source-Specific Applicable Requirements
RIVETED MACT EXTERNAL FLOATING ROOF TANK
S216 (TANK 695A)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.646(d)	Storage Vessel Provisions-References	Y	
63.646(d)(2)	Storage Vessel Provisions-References to April 22,1994	Y	
63.646(d)(3)	Storage Vessel Provisions-References to December 31, 1992	Y	
63.646(d)(4)	Storage Vessel Provisions-References to compliance dates in 63.100 of Subpart F	Y	
63.646(e)	Storage Vessel Provisions—Exceptions for compliance with inspection requirements of 63.120 of Subpart G – Not required to comply with provisions for gaskets, slotted membranes, and sleeve seals.	Y	
63.646(f)	Storage Vessel Provisions-Group 1 floating roof requirements	Y	
63.646(f)(1)	Storage Vessel Provisions—Group 1 floating roof requirements-Covers or lids closed except when in use	Y	
63.646(f)(2)	Storage Vessel Provisions-Group 1 floating roof requirements-Rim space vents requirements	Y	
63.646(f)(3)	Storage Vessel Provisions-Group 1 floating roof requirements-Automatic bleeder vents requirements	Y	
63.646(l)	Storage Vessel Provisions-State or local permitting agency notification requirements	Y	
63.654(f)	Reporting and Recordkeeping Requirements-Notice of compliance status report requirements	Y	
63.654(f)(1)	Reporting and Recordkeeping Requirements-Notice of compliance status report requirements	Y	
63.654(f)(1)(i)	Reporting and Recordkeeping Requirements-Notice of compliance status report requirements-Reporting--storage vessels	Y	
63.654(f)(1)(i)(A)	Reporting and Recordkeeping Requirements-Notice of compliance status report requirements-Reporting--storage vessels	Y	
63.654(f)(1)(i)(A)(1)	Reporting and Recordkeeping Requirements-Notice of compliance status report requirements-Reporting--storage vessels	Y	
63.654(g)	Periodic Reporting and Recordkeeping Requirements	Y	
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	
63.654(g)(3)	Periodic Reporting and Recordkeeping Requirements-storage vessels with external floating roofs	Y	
63.654(g)(3)(i)	Periodic Reporting and Recordkeeping Requirements-storage vessels with external floating roofs-document results of each seal gap measurement	Y	
63.654(g)(3)(ii)	Periodic Reporting and Recordkeeping Requirements-storage vessels with external floating roofs – extension documentation	Y	
63.654(g)(3)(iii)	Periodic Reporting and Recordkeeping Requirements-storage vessels with external floating roofs – documentation of failures	Y	
63.654(h)(2)	Reporting and Recordkeeping Requirements-Other reports-Storage vessel notification of inspections.	Y	
63.654(h)(2)(i)	Reporting and Recordkeeping Requirements-Other reports-Storage	Y	

IV. Source Specific Applicable Requirements

Table IV – BB.19
Source-Specific Applicable Requirements
RIVETED MACT EXTERNAL FLOATING ROOF TANK
S216 (TANK 695A)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	vessel notification of inspections – refilling Group 1 storage vessel.		
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	
63.654(h)(6)	Reporting and Recordkeeping Requirements-Other reports-Determination of Applicability	Y	
63.654(h)(6)(ii)	Reporting and Recordkeeping Requirements-Other reports-Determination of Applicability	Y	
63.654(i)(1)	Reporting and Recordkeeping Requirements-Recordkeeping for storage vessels – keep records specified in 63.123 (Subpart G)	Y	
63.654(i)(1)(i)	Reporting and Recordkeeping Requirements-Recordkeeping for storage vessels– keep records specified in 63.123 (Subpart G) except records related to gaskets, slotted membranes, and sleeve seals for vessels in existing sources	Y	
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 S216 [Basis: 2-1-234.3]	N	

Table IV – BB.20
Source-Specific Applicable Requirements
MACT EXTERNAL FLOATING ROOF WASTEWATER SLOP OIL TANK
W/O ZERO-GAP SEALS
S134 (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;	Y	

IV. Source Specific Applicable Requirements

Table IV – BB.20
Source-Specific Applicable Requirements
MACT EXTERNAL FLOATING ROOF WASTEWATER SLOP OIL TANK W/O ZERO-GAP SEALS
S134 (TANK 194)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	Floating roof tanks - continuous and quick filling, emptying and refilling		
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	
8-5-304	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	

IV. Source Specific Applicable Requirements

Table IV – BB.20
Source-Specific Applicable Requirements
MACT EXTERNAL FLOATING ROOF WASTEWATER SLOP OIL TANK W/O ZERO-GAP SEALS
S134 (TANK 194)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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 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	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 – BB.20
Source-Specific Applicable Requirements
MACT EXTERNAL FLOATING ROOF WASTEWATER SLOP OIL TANK W/O ZERO-GAP SEALS
S134 (TANK 194)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	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	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	
40 CFR 63, Subpart G	**SOCMI HON G (01/27/1995) REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS**		
63.119(a)	Storage Vessel Provisions -- Reference Control Technology	Y	
63.119(a)(1)	Storage Vessel Provisions -- Reference Control Technology--Group 1, TVP < 76.6 kPa	Y	
63.119(c)	Storage Vessel Provisions -- Reference Control Technology-- External floating roof	Y	
63.119(c)(1)	Storage Vessel Provisions -- Reference Control Technology-- External floating roof seals	Y	
63.119(c)(1)(i)	Storage Vessel Provisions -- Reference Control Technology-- External floating roof double seals required	Y	
63.119(c)(1)(ii)	Storage Vessel Provisions -- Reference Control Technology-- External floating roof primary seal requirements – metallic shoe or liquid-mounted	Y	
63.119(c)(1)(iii)	Storage Vessel Provisions -- Reference Control Technology-- External floating roof seal requirements	Y	
63.119(c)(3)	Storage Vessel Provisions -- Reference Control Technology-- External floating roof--Must float on liquid	Y	
63.119(c)(3)(i)	Storage Vessel Provisions -- Reference Control Technology-- External floating roof --Must float on liquid except during initial fill	Y	
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	

IV. Source Specific Applicable Requirements

Table IV – BB.20
Source-Specific Applicable Requirements
MACT EXTERNAL FLOATING ROOF WASTEWATER SLOP OIL TANK W/O ZERO-GAP SEALS
S134 (TANK 194)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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	
63.119(c)(4)	Storage Vessel Provisions -- Reference Control Technology--External Floating Roof Operations, when not floating	Y	
63.120(b)	Storage Vessel Provisions -- Procedures to Determine Compliance--Compliance Demonstration--External floating roof	Y	
63.120(b)(1)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR seal gap measurement	Y	
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	
63.120(b)(1)(iii)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR with double seals - secondary seal gap measurement – annual requirement	Y	
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	
63.120(b)(2)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR seal gap determination methods	Y	
63.120(b)(2)(i)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR seal gap determination methods – roof not resting on legs	Y	
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	
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	
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	
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	
63.120(b)(5)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR primary seal additional requirements	Y	
63.120(b)(5)(i)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR primary seal additional requirements – metallic shoe seal – shoe geometry	Y	
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 – BB.20
Source-Specific Applicable Requirements
MACT EXTERNAL FLOATING ROOF WASTEWATER SLOP OIL TANK W/O ZERO-GAP SEALS
S134 (TANK 194)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	or openings		
63.120(b)(6)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR secondary seal requirements	Y	
63.120(b)(6)(i)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR secondary seal requirements – location and extent	Y	
63.120(b)(6)(ii)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR secondary seal requirements - no holes, tears or openings	Y	
63.120(b)(7)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR unsafe to perform seal measurements or inspect the tank	Y	
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 63.120(b)(7)(ii)	Y	
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 63.120(b)(7)(i). Two 30 day extensions are allowed to empty the tank. Decision to use extension must be documented.	Y	
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	
63.120(b)(9)	Storage Vessel Provisions -- Procedures to Determine Compliance External FR seal gap measurement 30 day notification	Y	
63.120(b)(10)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR and seals visual inspection each time emptied	Y	
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 63.646(e)]	Y	
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	
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	
63.123(a)	Storage Vessel Provisions -- Recordkeeping--Group 1 and Group 2 storage vessel dimensions and capacity. Keep for life of source.	Y	
63.123(d)	Storage Vessel Provisions -- Recordkeeping--Group 1 External floating roof tank requirements - records of seal gap measurements	Y	

IV. Source Specific Applicable Requirements

Table IV – BB.20
Source-Specific Applicable Requirements
MACT EXTERNAL FLOATING ROOF WASTEWATER SLOP OIL TANK W/O ZERO-GAP SEALS
S134 (TANK 194)

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

IV. Source Specific Applicable Requirements

Table IV – BB.20
Source-Specific Applicable Requirements
MACT EXTERNAL FLOATING ROOF WASTEWATER SLOP OIL TANK W/O ZERO-GAP SEALS
S134 (TANK 194)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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	
63.654(g)(3)	Periodic Reporting and Recordkeeping Requirements-storage vessels with external floating roofs	Y	
63.654(g)(3)(i)	Periodic Reporting and Recordkeeping Requirements-storage vessels with external floating roofs-document results of each seal gap measurement	Y	
63.654(g)(3)(ii)	Periodic Reporting and Recordkeeping Requirements-storage vessels with external floating roofs – extension documentation	Y	
63.654(g)(3)(iii)	Periodic Reporting and Recordkeeping Requirements-storage vessels with external floating roofs – documentation of failures	Y	
63.654(h)(2)	Reporting and Recordkeeping Requirements-Other reports-Storage vessel notification of inspections.	Y	
63.654(h)(2)(i)	Reporting and Recordkeeping Requirements-Other reports-Storage vessel notification of inspections – refilling Group 1 storage vessel.	Y	
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	
63.654(h)(6)	Reporting and Recordkeeping Requirements-Other reports-Determination of Applicability	Y	
63.654(h)(6)(ii)	Reporting and Recordkeeping Requirements-Other reports-Determination of Applicability	Y	
63.654(i)(1)	Reporting and Recordkeeping Requirements-Recordkeeping for storage vessels – keep records specified in 63.123 (Subpart G)	Y	
63.654(i)(1)(i)	Reporting and Recordkeeping Requirements-Recordkeeping for storage vessels– keep records specified in 63.123 (Subpart G) except records related to gaskets, slotted membranes, and sleeve seals for vessels in existing sources	Y	
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 S134 [Basis: 2-1-234.3]	N	

IV. Source Specific Applicable Requirements

Table IV – BB.21
Source-Specific Applicable Requirements
EXEMPT TANKS SUBJECT TO MACT RECORDKEEPING
S91 (TANK 73), S94 (TANK 78), S98 (TANK 101), S99 (TANK 102), S103 (TANK 106), S120 (TANK 165), S130 (TANK 188), S131 (TANK 189), S132 (TANK 191), S136 (TANK 201), S138 (TANK 203), S141 (TANK 213), S142 (TANK 214), S143 (TANK 215), S144 (TANK 216), S145 (TANK 217), S148 (TANK 231), S149 (TANK 232), S157 (TANK 252), S162 (TANK 262), S164 (TANK 264), S165 (TANK 265), S166 (TANK 266), S167 (TANK 268), S168 (TANK 269), S169 (TANK 270), S171 (TANK 273), S172 (TANK 279), S173 (TANK 280), S174 (TANK 281), S179 (TANK 291), S180 (TANK 292), S187 (TANK 299), S191 (TANK 303), S192 (TANK 304), S202 (TANK 521), S204 (TANK 528), S205 (TANK 529), S206 (TANK 530), S207 (TANK 531), S209 (TANK 674), S224 (TANK 746), S225 (TANK 747), S226 (TANK 748), S227 (TANK 749), S228 (TANK 750), S229 (TANK 751), S230 (TANK 752), S231 (TANK 753), S236 (TANK 770), S237 (TANK 771), S240 (TANK 774), S241 (TANK 775), S260 (TANK 1009), S262 (TANK 1011), S263 (TANK 1012), S266 (TANK 1345), S267 (TANK 1346), S286 (F3), S287 (F10), S293 (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	
40 CFR 63, Subpart G	**SOCMI HON G (01/27/1995) REQUIREMENTS FOR GROUP 2 RECORDKEEPING ONLY**		
63.119(a)(3)	Storage Vessel Provisions – Reference Control Technology – Group 2 storage vessels comply only with recordkeeping requirements in 63.123(a)	Y	
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	
40 CFR 63, Subpart CC	**National Emission Standards for Hazardous Air Pollutants for Petroleum Refining (8/18/95) REQUIREMENTS FOR GROUP 2 RECORDKEEPING ONLY**		
63.640(c)(2)	Applicability and Designation of Storage Vessels	Y	
63.646(b)(1)	Storage Vessel Provisions-Determine stored liquid % OHAP for group determination	Y	
63.646(b)(2)	Storage Vessel Provisions-Determine stored liquid % OHAP-method 18 to resolve disputes	Y	
63.654(h)(6)	Reporting and Recordkeeping Requirements-Other reports-Determination of Applicability	Y	
63.654(h)(6)(ii)	Reporting and Recordkeeping Requirements-Other reports-Determination of Applicability	Y	
63.654(i)(1)	Reporting and Recordkeeping Requirements-Recordkeeping for storage vessels – Keep records specified in 63.123	Y	
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 – BB.21
Source-Specific Applicable Requirements
EXEMPT TANKS SUBJECT TO MACT RECORDKEEPING
S91 (TANK 73), S94 (TANK 78), S98 (TANK 101), S99 (TANK 102), S103 (TANK 106), S120 (TANK 165), S130 (TANK 188), S131 (TANK 189), S132 (TANK 191), S136 (TANK 201), S138 (TANK 203), S141 (TANK 213), S142 (TANK 214), S143 (TANK 215), S144 (TANK 216), S145 (TANK 217), S148 (TANK 231), S149 (TANK 232), S157 (TANK 252), S162 (TANK 262), S164 (TANK 264), S165 (TANK 265), S166 (TANK 266), S167 (TANK 268), S168 (TANK 269), S169 (TANK 270), S171 (TANK 273), S172 (TANK 279), S173 (TANK 280), S174 (TANK 281), S179 (TANK 291), S180 (TANK 292), S187 (TANK 299), S191 (TANK 303), S192 (TANK 304), S202 (TANK 521), S204 (TANK 528), S205 (TANK 529), S206 (TANK 530), S207 (TANK 531), S209 (TANK 674), S224 (TANK 746), S225 (TANK 747), S226 (TANK 748), S227 (TANK 749), S228 (TANK 750), S229 (TANK 751), S230 (TANK 752), S231 (TANK 753), S236 (TANK 770), S237 (TANK 771), S240 (TANK 774), S241 (TANK 775), S260 (TANK 1009), S262 (TANK 1011), S263 (TANK 1012), S266 (TANK 1345), S267 (TANK 1346), S286 (F3), S287 (F10), S293 (F805)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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	
Part 2	Record retention requirement [Basis: Regulation 2-6-409.2]	Y	

Table IV – BB.22
Source-Specific Applicable Requirements
EXEMPT FIXED ROOF TANKS WITH VAPOR RECOVERY TO FUEL GAS
S158 (TANK 258), S175 (TANK 284)

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 Air Pollutants for Petroleum Refining (8/18/95) EXEMPTION FOR TANKS VENTED TO FUEL GAS SYSTEM**		
63.640(c)(2)	Applicability and Designation of Storage Vessels	Y	
63.640(d)(5)	Exemption for emission points routed to fuel gas system	Y	
BAAQMD Condition 20773			

IV. Source Specific Applicable Requirements

Table IV – BB.22
Source-Specific Applicable Requirements
EXEMPT FIXED ROOF TANKS WITH VAPOR RECOVERY TO FUEL GAS
S158 (TANK 258), S175 (TANK 284)

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

Table IV – BB.23A
Source-Specific Applicable Requirements
EXEMPT EXTERNAL FLOATING ROOF TANKS
SUBJECT TO MACT RECORDKEEPING (NOTE 2)
BUT WITH GROUP I MACT FLEXIBILITY
S108 (TANK 153), S109 (TANK 154), S127 (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	
40 CFR 63, Subpart G	**SOCMI HON G (01/27/1995) REQUIREMENTS FOR GROUP 2 RECORDKEEPING ONLY**		
63.119(a)(3)	Storage Vessel Provisions – Reference Control Technology – Group 2 storage vessels comply only with recordkeeping requirements in 63.123(a)	Y	
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	
40 CFR 63, Subpart CC	**National Emission Standards for Hazardous Air Pollutants for Petroleum Refining (8/18/95) REQUIREMENTS FOR GROUP 2 RECORDKEEPING ONLY**		
63.640(c)(2)	Applicability and Designation of Storage Vessels	Y	
63.646(b)(1)	Storage Vessel Provisions-Determine stored liquid % OHAP for group determination	Y	
63.646(b)(2)	Storage Vessel Provisions-Determine stored liquid % OHAP-method 18 to resolve disputes	Y	
63.654(h)(6)	Reporting and Recordkeeping Requirements-Other reports-Determination of Applicability	Y	
63.654(h)(6)(ii)	Reporting and Recordkeeping Requirements-Other reports-Determination of Applicability	Y	
63.654(i)(1)	Reporting and Recordkeeping Requirements-Recordkeeping for storage vessels – Keep records specified in 63.123	Y	
63.654(i)(1)(iv)	Reporting and Recordkeeping Requirements-Recordkeeping for	Y	

IV. Source Specific Applicable Requirements

Table IV – BB.23A
Source-Specific Applicable Requirements
EXEMPT EXTERNAL FLOATING ROOF TANKS
SUBJECT TO MACT RECORDKEEPING (NOTE 2)
BUT WITH GROUP I MACT FLEXIBILITY
S108 (TANK 153), S109 (TANK 154), S127 (TANK 173)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	storage vessels – Data and assumptions used to determine Group 2 classification		
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	
Part 2	Record retention requirement [Basis: Regulation 2-6-409.2]	Y	

2. Sources S108, S109, and S127 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 – BB.23B
Source-Specific Applicable Requirements
EXEMPT EXTERNAL FLOATING ROOF TANKS
SUBJECT TO MACT RECORDKEEPING (NOTE 2)
BUT WITH GROUP I MACT FLEXIBILITY
S108 (TANK 153), S109 (TANK 154), S127 (TANK 173)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce-able (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	Y	

IV. Source Specific Applicable Requirements

Table IV – BB.23B
Source-Specific Applicable Requirements
EXEMPT EXTERNAL FLOATING ROOF TANKS
SUBJECT TO MACT RECORDKEEPING (NOTE 2)
BUT WITH GROUP I MACT FLEXIBILITY
S108 (TANK 153), S109 (TANK 154), S127 (TANK 173)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce-able (Y/N)	Future Effective Date
	in compliance prior to notification		
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	
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	

IV. Source Specific Applicable Requirements

Table IV – BB.23B
Source-Specific Applicable Requirements
EXEMPT EXTERNAL FLOATING ROOF TANKS
SUBJECT TO MACT RECORDKEEPING (NOTE 2)
BUT WITH GROUP I MACT FLEXIBILITY
S108 (TANK 153), S109 (TANK 154), S127 (TANK 173)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce-able (Y/N)	Future Effective Date
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	
8-5-503	Portable Hydrocarbon Detector	Y	
8-5-602	Analysis of Samples, True Vapor Pressure	Y	
8-5-604	Determination of Applicability	Y	
40 CFR 63, Subpart G	**SOCMI HON G (01/27/1995) REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS**		
63.119(a)	Storage Vessel Provisions -- Reference Control Technology	Y	
63.119(a)(1)	Storage Vessel Provisions -- Reference Control Technology--Group	Y	

IV. Source Specific Applicable Requirements

Table IV – BB.23B
Source-Specific Applicable Requirements
EXEMPT EXTERNAL FLOATING ROOF TANKS
SUBJECT TO MACT RECORDKEEPING (NOTE 2)
BUT WITH GROUP I MACT FLEXIBILITY
S108 (TANK 153), S109 (TANK 154), S127 (TANK 173)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce-able (Y/N)	Future Effective Date
	1, TVP < 76.6 kPa		
63.119(c)	Storage Vessel Provisions -- Reference Control Technology--External floating roof	Y	
63.119(c)(1)	Storage Vessel Provisions -- Reference Control Technology--External floating roof seals	Y	
63.119(c)(1)(i)	Storage Vessel Provisions -- Reference Control Technology--External floating roof double seals required	Y	
63.119(c)(1)(ii)	Storage Vessel Provisions -- Reference Control Technology--External floating roof primary seal requirements – metallic shoe or liquid-mounted	Y	
63.119(c)(1)(iii)	Storage Vessel Provisions -- Reference Control Technology--External floating roof seal requirements	Y	
63.119(c)(3)	Storage Vessel Provisions -- Reference Control Technology--External floating roof--Must float on liquid	Y	
63.119(c)(3)(i)	Storage Vessel Provisions -- Reference Control Technology--External floating roof --Must float on liquid except during initial fill	Y	
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	
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	
63.119(c)(4)	Storage Vessel Provisions -- Reference Control Technology--External Floating Roof Operations, when not floating	Y	
63.120(b)	Storage Vessel Provisions -- Procedures to Determine Compliance--Compliance Demonstration--External floating roof	Y	
63.120(b)(1)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR seal gap measurement	Y	
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	
63.120(b)(1)(iii)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR with double seals - secondary seal gap measurement – annual requirement	Y	
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	
63.120(b)(2)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR seal gap determination methods	Y	
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 – BB.23B
Source-Specific Applicable Requirements
EXEMPT EXTERNAL FLOATING ROOF TANKS
SUBJECT TO MACT RECORDKEEPING (NOTE 2)
BUT WITH GROUP I MACT FLEXIBILITY
S108 (TANK 153), S109 (TANK 154), S127 (TANK 173)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce-able (Y/N)	Future Effective Date
	legs		
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	
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	
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	
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	
63.120(b)(5)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR primary seal additional requirements	Y	
63.120(b)(5)(i)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR primary seal additional requirements – metallic shoe seal – shoe geometry	Y	
63.120(b)(5)(ii)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR primary seal additional requirements – no holes, tears, or openings	Y	
63.120(b)(6)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR secondary seal requirements	Y	
63.120(b)(6)(i)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR secondary seal requirements – location and extent	Y	
63.120(b)(6)(ii)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR secondary seal requirements - no holes, tears or openings	Y	
63.120(b)(7)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR unsafe to perform seal measurements or inspect the tank	Y	
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 63.120(b)(7)(ii)	Y	
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 63.120(b)(7)(i). Two 30	Y	

IV. Source Specific Applicable Requirements

Table IV – BB.23B
Source-Specific Applicable Requirements
EXEMPT EXTERNAL FLOATING ROOF TANKS
SUBJECT TO MACT RECORDKEEPING (NOTE 2)
BUT WITH GROUP I MACT FLEXIBILITY
S108 (TANK 153), S109 (TANK 154), S127 (TANK 173)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce-able (Y/N)	Future Effective Date
	day extensions are allowed to empty the tank. Decision to use extension must be documented.		
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	
63.120(b)(9)	Storage Vessel Provisions -- Procedures to Determine Compliance External FR seal gap measurement 30 day notification	Y	
63.120(b)(10)	Storage Vessel Provisions -- Procedures to Determine Compliance--External FR and seals visual inspection each time emptied	Y	
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 63.646(e)]	Y	
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	
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	
63.123(a)	Storage Vessel Provisions -- Recordkeeping--Group 1 and Group 2 storage vessel dimensions and capacity. Keep for life of source.	Y	
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	
63.123(g)	Storage Vessel Provisions -- Recordkeeping, Extensions for emptying storage vessel – keep documentation specified	Y	
40 CFR 63, Subpart CC	**National Emission Standards for Hazardous Air Pollutants for Petroleum Refineries (06/12/1996) REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS**		
63.640(c)(2)	Applicability and Designation of Storage Vessels	Y	
63.646(a)	Storage Vessel Provisions-Group 1	Y	
63.646(b)(1)	Storage Vessel Provisions-Determine stored liquid % OHAP for group determination	Y	
63.646(b)(2)	Storage Vessel Provisions-Determine stored liquid % OHAP-method 18 to resolve disputes	Y	
63.646(c)	Storage Vessel Provisions—63 Subpart G exclusions for storage vessels [EFRs exempt from 63.119(c)(2)]	Y	
63.646(d)	Storage Vessel Provisions-References	Y	

IV. Source Specific Applicable Requirements

Table IV – BB.23B
Source-Specific Applicable Requirements
EXEMPT EXTERNAL FLOATING ROOF TANKS
SUBJECT TO MACT RECORDKEEPING (NOTE 2)
BUT WITH GROUP I MACT FLEXIBILITY
S108 (TANK 153), S109 (TANK 154), S127 (TANK 173)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce-able (Y/N)	Future Effective Date
63.646(d)(2)	Storage Vessel Provisions-References to April 22,1994	Y	
63.646(d)(3)	Storage Vessel Provisions-References to December 31, 1992	Y	
63.646(d)(4)	Storage Vessel Provisions-References to compliance dates in 63.100 of Subpart F	Y	
63.646(e)	Storage Vessel Provisions—Exceptions for compliance with inspection requirements of 63.120 of Subpart G – Not required to comply with provisions for gaskets, slotted membranes, and sleeve seals.	Y	
63.646(f)	Storage Vessel Provisions-Group 1 floating roof requirements	Y	
63.646(f)(1)	Storage Vessel Provisions—Group 1 floating roof requirements-Covers or lids closed except when in use	Y	
63.646(f)(2)	Storage Vessel Provisions-Group 1 floating roof requirements-Rim space vents requirements	Y	
63.646(f)(3)	Storage Vessel Provisions-Group 1 floating roof requirements-Automatic bleeder vents requirements	Y	
63.646(l)	Storage Vessel Provisions-State or local permitting agency notification requirements	Y	
63.654(f)	Reporting and Recordkeeping Requirements-Notice of compliance status report requirements	Y	
63.654(f)(1)	Reporting and Recordkeeping Requirements-Notice of compliance status report requirements	Y	
63.654(f)(1)(i)	Reporting and Recordkeeping Requirements-Notice of compliance status report requirements-Reporting--storage vessels	Y	
63.654(f)(1)(i)(A)	Reporting and Recordkeeping Requirements-Notice of compliance status report requirements-Reporting--storage vessels	Y	
63.654(f)(1)(i)(A)(1)	Reporting and Recordkeeping Requirements-Notice of compliance status report requirements-Reporting--storage vessels	Y	
63.654(g)	Periodic Reporting and Recordkeeping Requirements	Y	
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	
63.654(g)(3)	Periodic Reporting and Recordkeeping Requirements-storage vessels with external floating roofs	Y	
63.654(g)(3)(i)	Periodic Reporting and Recordkeeping Requirements-storage vessels with external floating roofs-document results of each seal gap measurement	Y	
63.654(g)(3)(ii)	Periodic Reporting and Recordkeeping Requirements-storage vessels with external floating roofs – extension documentation	Y	
63.654(g)(3)(iii)	Periodic Reporting and Recordkeeping Requirements-storage vessels with external floating roofs – documentation of failures	Y	
63.654(h)(2)	Reporting and Recordkeeping Requirements-Other reports-Storage	Y	

IV. Source Specific Applicable Requirements

Table IV – BB.23B
Source-Specific Applicable Requirements
EXEMPT EXTERNAL FLOATING ROOF TANKS
SUBJECT TO MACT RECORDKEEPING (NOTE 2)
BUT WITH GROUP I MACT FLEXIBILITY
S108 (TANK 153), S109 (TANK 154), S127 (TANK 173)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce-able (Y/N)	Future Effective Date
	vessel notification of inspections.		
63.654(h)(2)(i)	Reporting and Recordkeeping Requirements-Other reports-Storage vessel notification of inspections – refilling Group 1 storage vessel.	Y	
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	
63.654(h)(6)	Reporting and Recordkeeping Requirements-Other reports-Determination of Applicability	Y	
63.654(h)(6)(ii)	Reporting and Recordkeeping Requirements-Other reports-Determination of Applicability	Y	
63.654(i)(1)	Reporting and Recordkeeping Requirements-Recordkeeping for storage vessels – keep records specified in 63.123 (Subpart G)	Y	
63.654(i)(1)(i)	Reporting and Recordkeeping Requirements-Recordkeeping for storage vessels– keep records specified in 63.123 (Subpart G) except records related to gaskets, slotted membranes, and sleeve seals for vessels in existing sources	Y	
63.654(i)(4)	Reporting and Recordkeeping Requirements—Recordkeeping for storage vessels-Record retention – 5 years	Y	

2. Sources S108, S109, and S127 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 – BB.24
Source-Specific Applicable Requirements
NSPS K EXEMPT TANKS SUBJECT TO MACT RECORDKEEPING
S90 (TANK 67), S105 (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	
40 CFR 60,	**Standards of Performance for Storage Vessels for Volatile Organic**		

IV. Source Specific Applicable Requirements

Table IV – BB.24
Source-Specific Applicable Requirements
NSPS K EXEMPT TANKS SUBJECT TO MACT RECORDKEEPING
S90 (TANK 67), S105 (TANK 129)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Subpart K	**Liquid Storage Vessels for Which Construction, Reconstruction, or Modification Commenced After June 11, 1973, and Prior to May 19, 1978 (4/4/1980)**		
60.110(a)	Applicability and Designation of Affected Facility; Affected facility	Y	
60.110(c)(2)	Applicability and Designation of Affected Facility-->65,000 gal after 6/11/1973 and before 5/19/1978.	Y	
40 CFR 63, Subpart G	**SOCMI HON G (01/27/1995) REQUIREMENTS FOR GROUP 2 RECORDKEEPING ONLY**		
63.119(a)(3)	Storage Vessel Provisions – Reference Control Technology – Group 2 storage vessels comply only with recordkeeping requirements in 63.123(a)	Y	
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	
40 CFR 63, Subpart CC	**National Emission Standards for Hazardous Air Pollutants for Petroleum Refining (8/18/95) REQUIREMENTS FOR GROUP 2 RECORDKEEPING ONLY**		
63.640(c)(2)	Applicability and Designation of Storage Vessels	Y	
63.640(n)	Applicability and Designation of Affected Source Overlap for Storage Vessels	Y	
63.640(n)(7)	Applicability and Designation of Affected Source Overlap for Storage Vessels—Group 2 storage vessel subject to NSPS, Subparts K or Ka but exempt from control requirements of NSPS, Subparts K or Ka is required to comply only with 63 Subpart CC	Y	
63.646(b)(1)	Storage Vessel Provisions-Determine stored liquid % OHAP for group determination	Y	
63.646(b)(2)	Storage Vessel Provisions-Determine stored liquid % OHAP-method 18 to resolve disputes	Y	
63.654(h)(6)	Reporting and Recordkeeping Requirements-Other reports-Determination of Applicability	Y	
63.654(h)(6)(ii)	Reporting and Recordkeeping Requirements-Other reports-Determination of Applicability	Y	
63.654(i)(1)	Reporting and Recordkeeping Requirements-Recordkeeping for storage vessels – Keep records specified in 63.123	Y	
63.654(i)(1)(iv)	Reporting and Recordkeeping Requirements-Recordkeeping for storage vessels – Data and assumptions used to determine Group 2 classification	Y	
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	
Part 2	Record retention requirement [Basis: Regulation 2-6-409.2]	Y	

IV. Source Specific Applicable Requirements

Table IV – BB.25
Source-Specific Applicable Requirements
EXEMPT BUTANE SPHERES
S188 (TANK 300), S189 (TANK 301), S190 (TANK 302), S253 (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	
8-5-328.1.2	Tank Degassing Requirements; Tanks > 75 cubic meters; Concentration of <10,000 ppm as methane after degassing	Y	

IV. Source Specific Applicable Requirements

Table IV – BB.25
Source-Specific Applicable Requirements
EXEMPT BUTANE SPHERES
S188 (TANK 300), S189 (TANK 301), S190 (TANK 302), S253 (TANK 833)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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	
40 CFR 60, Subpart Kb	**Standards of Performance for Storage Vessels for Volatile Organic Liquid Storage Vessels for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984 (12/14/2000) EXEMPTION FOR PRESSURE TANKS (applies to S188 only)**		
60.110b(d)(2)	Exemption for pressure vessels designed to operate in excess of 204.9 kPa and without emissions to the atmosphere.	Y	
40 CFR 63, Subpart CC	**National Emission Standards for Hazardous Air Pollutants for Petroleum Refining (8/18/95) EXEMPTION FOR TANKS VENTED TO FUEL GAS SYSTEM**		
63.640(c)(2)	Applicability and Designation of Storage Vessels	Y	
63.640(d)(5)	Exemption for emission points routed to fuel gas system	Y	

Table IV – BB.27
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	
40 CFR 60, Subpart Kb	**Standards of Performance for Storage Vessels for Volatile Organic Liquid Storage Vessels for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984 (12/14/2000) REQUIREMENTS FOR RECORDKEEPING ONLY**		
60.110b(a)	Applicability and Designation of Affected Facility; Volatile organic liquid storage vessels > or = to 40 cu m, after 7/23/1984	Y	

IV. Source Specific Applicable Requirements

Table IV – BB.27
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
60.110b(c)	Applicability and Designation of Affected Facility; Exemptions for storage vessels > or = to 75 cu m	Y	
60.116b(a)	Monitoring of Operations; Record retention	Y	
60.116b(b)	Monitoring of Operations; Permanent record requirements	Y	
60.116b(e)	Monitoring of Operations; Determine TVP	Y	
60.116b(e)(3)	Monitoring of Operations; Determine TVP-other liquids	Y	
60.116b(f)	Monitoring of Operations; Waste storage tanks (indeterminate or variable composition)	Y	
60.116b(g)	Monitoring of Operations; Exemption from 60.116b(c) and 60.116b(d) for tanks with closed vent system and control device	Y	
40 CFR 60, Subpart QQQ	**Standards of Performance for VOC Emissions from Petroleum Refinery Wastewater Systems (8/18/95) REQUIREMENTS FOR FIXED ROOF TANKS ROUTED TO FUEL GAS**		
60.690(a)(1)	Applicability and Designation of Affected Facility	Y	
60.690(a)(3)	Applicability and Designation of Affected Facility	Y	
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	
60.692-1	Standards: General	Y	
60.692-1(a)	Standards: General	Y	
60.692-1(b)	Standards: General	Y	
60.692-3	Standards: Oil-Water Separators (includes storage vessels)	Y	
60.692-3(a)	Standards: Oil-Water Separators (includes storage vessels)	Y	
60.692-3(a)(1)	Standards: Oil-Water Separators (includes storage vessels)	Y	
60.692-3(a)(2)	Standards: Oil-Water Separators (includes storage vessels)	Y	
60.692-3(a)(3)	Standards: Oil-Water Separators (includes storage vessels)	Y	
60.692-3(a)(4)	Standards: Oil-Water Separators (includes storage vessels)	Y	
60.692-3(a)(5)	Standards: Oil-Water Separators (includes storage vessels)	Y	
60.692-3(f)	Standards: Oil-Water Separators (includes storage vessels)	Y	
60.692-6	Standards: Delay of Repair	Y	
60.692-6(a)	Standards: Delay of Repair	Y	
60.692-6(b)	Standards: Delay of Repair	Y	
60.697	Recordkeeping Requirements	Y	
60.697(a)	Recordkeeping Requirements	Y	
60.697(c)	Recordkeeping Requirements	Y	
60.697(e)(1)	Recordkeeping Requirements	Y	
60.697(e)(2)	Recordkeeping Requirements	Y	
60.697(e)(3)	Recordkeeping Requirements	Y	
60.697(e)(4)	Recordkeeping Requirements	Y	
60.697(f)(1)	Recordkeeping Requirements	Y	
60.697(f)(2)	Recordkeeping Requirements	Y	
60.698(c)	Reporting Requirements	Y	

IV. Source Specific Applicable Requirements

Table IV – BB.27
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
40 CFR 63, Subpart CC	**National Emission Standards for Hazardous Air Pollutants for Petroleum Refining (8/18/95) REQUIREMENTS FOR EMISSION POINTS ROUTED TO FUEL GAS**		
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)(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	

IV. Source Specific Applicable Requirements

Table IV – BB.28
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 60, Subpart Kb	**Standards of Performance for Storage Vessels for Volatile Organic Liquid Storage Vessels for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984 (12/14/2000) REQUIREMENTS FOR RECORDKEEPING ONLY**		
60.110b(a)	Applicability and Designation of Affected Facility; Volatile organic liquid storage vessels > or = to 40 cu m, after 7/23/1984	Y	
60.110b(c)	Applicability and Designation of Affected Facility; Exemptions for storage vessels > or = to 75 cu m	Y	
60.116b(a)	Monitoring of Operations; Record retention	Y	
60.116b(b)	Monitoring of Operations; Permanent record requirements	Y	
60.116b(d)	Monitoring of Operations; 30-day notification for TVP exceedances	Y	
60.116b(e)	Monitoring of Operations; Determine TVP	Y	
60.116b(e)(3)	Monitoring of Operations; Determine TVP-other liquids	Y	
60.116b(f)	Monitoring of Operations; Waste storage tanks (indeterminate or variable composition)	Y	
40 CFR 60, Subpart QQQ	**Standards of Performance for VOC Emissions from Petroleum Refinery Wastewater Systems (8/18/95) REQUIREMENTS FOR FIXED ROOF TANKS NOT ROUTED TO FUEL GAS**		
60.690(a)(1)	Applicability and Designation of Affected Facility	Y	
60.690(a)(3)	Applicability and Designation of Affected Facility	Y	
60.692-1	Standards: General	Y	
60.692-1(a)	Standards: General	Y	
60.692-1(b)	Standards: General	Y	
60.692-3	Standards: Oil-Water Separators (includes storage vessels)	Y	
60.692-3(a)	Standards: Oil-Water Separators (includes storage vessels)	Y	
60.692-3(a)(1)	Standards: Oil-Water Separators (includes storage vessels)	Y	
60.692-3(a)(2)	Standards: Oil-Water Separators (includes storage vessels)	Y	
60.692-3(a)(3)	Standards: Oil-Water Separators (includes storage vessels)	Y	
60.692-3(a)(4)	Standards: Oil-Water Separators (includes storage vessels)	Y	
60.692-3(a)(5)	Standards: Oil-Water Separators (includes storage vessels)	Y	
60.692-3(f)	Standards: Oil-Water Separators (includes storage vessels)	Y	
60.692-6	Standards: Delay of Repair	Y	
60.692-6(a)	Standards: Delay of Repair	Y	
60.692-6(b)	Standards: Delay of Repair	Y	
60.697	Recordkeeping Requirements	Y	
60.697(a)	Recordkeeping Requirements	Y	
60.697(c)	Recordkeeping Requirements	Y	

IV. Source Specific Applicable Requirements

Table IV – BB.28
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
60.697(e)(1)	Recordkeeping Requirements	Y	
60.697(e)(2)	Recordkeeping Requirements	Y	
60.697(e)(3)	Recordkeeping Requirements	Y	
60.697(e)(4)	Recordkeeping Requirements	Y	
60.697(f)(1)	Recordkeeping Requirements	Y	
60.697(f)(2)	Recordkeeping Requirements	Y	
60.698(c)	Reporting Requirements	Y	
40 CFR 63, Subpart CC	**National Emission Standards for Hazardous Pollutants for Petroleum Refining (8/18/95) REQUIREMENTS FOR GROUP 2 WASTEWATER SOURCES**		
63.640(c)(3)	Wastewater streams and treatment operations associated with petroleum refining process units meeting the criteria of section 63.640(a)	Y	
63.641	Definitions: Group 1 and Group 2 Wastewater Streams	Y	
63.654(a)	Reporting and Recordkeeping Requirements: Wastewater – no reporting and recordkeeping requirements for wastewater except for Group 1 wastewater streams	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	

Table IV – BB.29
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	
40 CFR 60, Subpart Kb	**Standards of Performance for Storage Vessels for Volatile Organic Liquid Storage Vessels for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984 (12/14/2000) REQUIREMENTS FOR RECORDKEEPING ONLY**		
60.110b(a)	Applicability and Designation of Affected Facility; Volatile organic liquid storage vessels > or = to 40 cu m, after 7/23/1984	Y	

IV. Source Specific Applicable Requirements

Table IV – BB.29
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
60.110b(c)	Applicability and Designation of Affected Facility; Exemptions for storage vessels > or = to 75 cu m	Y	
60.116b(a)	Monitoring of Operations; Record retention	Y	
60.116b(b)	Monitoring of Operations; Permanent record requirements	Y	
60.116b(d)	Monitoring of Operations; 30-day notification for TVP exceedances	Y	
60.116b(e)	Monitoring of Operations; Determine TVP	Y	
60.116b(e)(2)	Monitoring of Operations; Determine TVP-crude oil and refined petroleum	Y	
40 CFR 63, Subpart CC	**National Emission Standards for Hazardous Air Pollutants for Petroleum Refining (8/18/95) REQUIREMENTS FOR TANKKS ALSO SUBJECT TO NSPS, Subpart Kb**		
63.640(c)(2)	Applicability and Designation of Storage Vessels	Y	
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	
63.640(n)(8)	Applicability and Designation of Affected Source Overlap for Storage Vessels-Additional requirements for Kb storage vessels	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	

Table IV – BB.30
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 60, Subpart K	**Standards of Performance for Storage Vessels for Volatile Organic Liquid Storage Vessels for Which Construction, Reconstruction, or Modification Commenced After June 11, 1973, and Prior to May 19, 1978 (4/4/1980) EXEMPTION FOR TANKS NOT CONTAINING PETROLEUM LIQUIDS**		

IV. Source Specific Applicable Requirements

Table IV – BB.30
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
60.111(b)	Definitions: Petroleum liquids	Y	
40 CFR 63, Subpart CC	**National Emission Standards for Hazardous Pollutants for Petroleum Refining (8/18/95) REQUIREMENTS FOR GROUP 2 WASTEWATER SOURCES**		
63.640(c)(3)	Wastewater streams and treatment operations associated with petroleum refining process units meeting the criteria of section 63.640(a)	Y	
63.641	Definitions: Group 1 and Group 2 Wastewater Streams	Y	
63.654(a)	Reporting and Recordkeeping Requirements: Wastewater – no reporting and recordkeeping requirements for wastewater except for Group 1 wastewater streams	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	

Table IV – CC.1
Source-Specific Applicable Requirements
S452, S453, S455, S457, S458, S500, COOLING TOWERS

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	Particulate Weight Limitation	Y	
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Regulation 8, Rule 2	**Miscellaneous Operations (6/15/94)**	Y	
8-2-301	Miscellaneous Operations	Y	
BAAQMD Condition 22121			
Part 1	Visual inspection (2-6-503)	Y	
Part 2	Chlorine content monitoring and monthly VOC content determination (2-6-503)	Y	

IV. Source Specific Applicable Requirements

Table IV – CC.1
Source-Specific Applicable Requirements
S452, S453, S455, S457, S458, S500, COOLING TOWERS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 3	Records of sodium hypochlorite usage (2-6-501)	Y	
Part 4	Monitoring of dissolved solids (2-6-503, Regulation 3)	Y	
Part 5	Reports of hydrocarbon leaks (1-441)	Y	
Part 6	Hydrocarbon leaks longer than 4 weeks (1-441, 2-1-424, 2-6-416.2, 2-6-501, 2-6-503)	Y	
Part 7	Annual reporting of particulate emissions (2-1-319.1, 3)	Y	
Part 8	Records (2-6-501)	Y	

Table IV – CC.2
Source-Specific Applicable Requirements
S456, COOLING TOWER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann #1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Regulation 8, Rule 2	**Miscellaneous Operations (6/15/94)**	Y	
8-2-301	Miscellaneous Operations	Y	
BAAQMD Condition 22122			
Part 1	Visual inspection (2-6-503)	Y	
Part 2	Monitoring of dissolved solids (2-6-503, Regulation 3)	Y	
Part 3	Reports of hydrocarbon leaks (1-441)	Y	
Part 4	Hydrocarbon leaks longer than 4 weeks (1-441, 2-1-424, 2-6-416.2, 2-6-501, 2-6-503)	Y	
Part 5	Annual reporting of particulate emissions (Regulation 2-6-501, 3)	Y	
Part 6	Records (2-6-501)	Y	

V. SCHEDULE OF COMPLIANCE

A. STANDARD SCHEDULE OF COMPLIANCE

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

B. DELETED APPLICATION 13691

C. CUSTOM SCHEDULE OF COMPLIANCE

The owner/operator is out of compliance with 40 CFR 61, Subpart FF, National Emission Standard for Benzene Waste Operations because the refinery generates more than 10 Mg benzene/yr. Therefore, the District is imposing the following Schedule of Compliance.

1. The owner/operator shall comply with the "6 BQ" option in accordance with 61.342(e).

Milestones

2. By May 30, 2006, the owner/operator shall submit a plan to EPA and to the District that identifies with specificity, the compliance strategy and schedule that the owner/operator will implement to ensure that the refinery complies with the 6 BQ compliance option by May 30, 2007.

3. By July 31, 2006, the owner/operator shall submit an application to the District that shows the applicable requirements from the Benzene Waste NESHAP in detail for each source within the refinery to which it applies. A copy of the application shall be sent to EPA Region 9.

4. By June 29, 2007, the owner/operator shall submit a certification and a report to the District and to EPA stating that the refinery complies with the Benzene Waste NESHAP.

Reporting Requirements

Progress reports shall be submitted every six months together with the monitoring reports required by Standard Condition I.F. The progress reports shall contain the date by which the item in the custom schedule of compliance was achieved or an explanation of why the item was not achieved by the above date and any corrective measures adopted.

In accordance with 40 Code of Federal Regulations, section 70.5(c)(8)(iii)(c), this schedule of compliance is supplemental to, and does not sanction noncompliance with, the requirements addressed herein.

D. CUSTOM SCHEDULE OF COMPLIANCE

The owner/operator is out of compliance with the requirement in 60 Subpart J 60.105(a)(4) to continuously verify the H2S concentration in gas combusted at S438, U110, H-1 (H2

V. Schedule of Compliance

Plant Reforming) Furnace. Therefore, the District is imposing the following Schedule of Compliance.

Milestones

The proposed alternative monitoring plan was submitted to U.S. EPA in a letter dated May 11, 2004.

Reporting Requirements

Progress reports shall be submitted every six months together with the monitoring reports required by Standard Condition I.F. The progress reports shall contain the date by which the item in the custom schedule of compliance was achieved or an explanation of why the item was not achieved by the above date and any corrective measures adopted.

In accordance with 40 Code of Federal Regulations, section 70.5(c)(8)(iii)(c), this schedule of compliance is supplemental to, and does not sanction noncompliance with, the requirements addressed herein.

E. CUSTOM SCHEDULE OF COMPLIANCE

The owner/operator is out of compliance with the requirement in 60 Subpart J 60.105(a)(4) to continuously verify the H2S concentration in Unicracker (UK) sweet gas. This gas is burned at S438, U110, H-1 (H2 Plant Reforming) Furnace, and S352-S357, combustion turbines and duct burners. Therefore, the District is imposing the following Schedule of Compliance.

Milestones

The proposed alternative monitoring plan was submitted to U.S. EPA in a letter dated May 11, 2004.

Reporting Requirements

Progress reports shall be submitted every six months together with the monitoring reports required by Standard Condition I.F. The progress reports shall contain the date by which the item in the custom schedule of compliance was achieved or an explanation of why the item was not achieved by the above date and any corrective measures adopted.

In accordance with 40 Code of Federal Regulations, section 70.5(c)(8)(iii)(c), this schedule of compliance is supplemental to, and does not sanction noncompliance with, the requirements addressed herein.

F. CUSTOM SCHEDULE OF COMPLIANCE

V. Schedule of Compliance

The owner/operator is out of compliance with the requirement in 60 Subpart J 60.105(a)(4) to continuously verify the H2S concentration in natural gas combusted at S352-S357, combustion turbines and duct burners. Therefore, the District is imposing the following Schedule of Compliance.

Milestones

The proposed alternative monitoring plan was submitted to U.S. EPA in a letter dated May 11, 2004.

Reporting Requirements

Progress reports shall be submitted every six months together with the monitoring reports required by Standard Condition I.F. The progress reports shall contain the date by which the item in the custom schedule of compliance was achieved or an explanation of why the item was not achieved by the above date and any corrective measures adopted.

In accordance with 40 Code of Federal Regulations, section 70.5(c)(8)(iii)(c), this schedule of compliance is supplemental to, and does not sanction noncompliance with, the requirements addressed herein.

VI. PERMIT CONDITIONS

CONDITION 383 [Revisions are in accordance with A/C 5814 and 12995.]

CONDITIONS FOR S350, CRUDE UNIT 267

1a. The owner/operator of S350 (Crude Unit 267) shall not process crude oil at S350 with a sulfur content in excess of 1.5 wt %. [Cumulative Increase]

1b. The owner/operator shall sample and analyze the crude feed to S350 to determine the sulfur content each time a new tanker shipment or pipeline delivery of crude is introduced into the S350 feed tanks. [Cumulative Increase]

2. The owner/operator of S350 shall not exceed an S350 feed rate of 36,000 bbl on any calendar day. The 36,000 bbl/day limit is an absolute limit and may not be corrected for instrument error. [Cumulative Increase]

3. The owner/operator of S350 shall maintain daily records of "calendar day" throughput at S350 in a District-approved log. The owner/operator shall also maintain records of all sulfur content analyses required by Part 1b. These records shall be kept for at least five years and shall be made available to the District upon request.
[Cumulative Increase]

4. The owner/operator shall install water seals (or equivalent controls) on the desalter process drain system for S350 that comply with the requirements of BAAQMD Regulation 8-8-312 prior to increasing the daily throughput to 36,000 bbl/day as allowed by part 2. [Toxics, cumulative increase]

CONDITION 1440

CONDITIONS FOR S324, S381, S382, S383, S384, S385, S386, S387, S390, S392, S400, S401 S1007, S1008, S1009, WASTEWATER TREATMENT AND HANDLING UNITS

1. S324 API Separator shall be operated such that the liquid in the main separator basin is in full 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 (S1008, S1009) 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]

VI. Permit Conditions

4. The following sources shall be vapor-tight as defined in Regulation 8, Rule 8:

   a. Doors, hatches, covers, and other openings on the S324 API Separator, forebay, outlet basin, and channel to the S1007 DAF Unit.
   b. Doors, hatches, covers, and other openings on the S1007 DAF Unit and the S400 Wet and S401 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 S1007 DAF Unit (S381, S382, S383, S384, S385, S386, S387, S390, S392).

   [Cumulative Increase]

5. Compliance with the VOC emission criteria of Part 4 shall be determined semi-annually 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 S324 API Separator and S1007 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 that increase the annual average waste water throughput at S324 and S1007 shall first be submitted to the BAAQMD in the form of a permit application. [Cumulative Increase]

CONDITION 1694

CONDITIONS FOR COMBUSTION SOURCES AND SO2 CAP, EXCEPT FOR GAS TURBINES AND DUCT BURNERS

A. Heater Firing Rate Limits and General Requirements

1a. 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 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 (MMbtu/day)	Hourly Firing Rate (MMbtu/hr)
S3	U230/B201	1,488	62
S7	U231/B103	1,536	64
S21	U244/B507	194.4	8.1
S336	U231/B104	2,664	111
S337	U231/B105	816	34

[Regulation 2-1-234.3]

1b. 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 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.

VI. Permit Conditions

District Source Number	Refinery ID Number	Daily Firing Limit (MMbtu/day)	Hourly Firing Rate (MMbtu/hr)
S2	U229/B301	528	22
S4	U231/B101	2,304	96
S5	U231/B102	2,496	104
S8	U240/B1	6,144	256
S9	U240/B2	1,464	61
S10	U240/B101	5,352	223
S11	U240/B201	2,592	108
S12	U240/B202	1,008	42
S13	U240/B301	4,656	194
S14	U240/B401	13,344	556
S15 thru S19	U244/B501 thru B505	5,754	239.75
S20	U244/B506	552	23
S22	U248/B606	744	31
S29	U200/B5	2,472	103
S30	U200/B101	1,200	50
S31	U200/B501	480	20
S43	U200/B202	5,520	230
S44	U200/B201	1,104	46
S351	U267	2,280	95
S371/372	U228/B520 and B521	1,392	58

[Regulation 2-1-301]

1c. 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 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 (MMbtu/day)	Hourly Firing Rate (MMbtu/hr)
S438	U110	6,000	250

[Cumulative Increase]

2a. All sources shall use only refinery fuel gas and natural gas as fuel, EXCEPT for S438 which may also use pressure swing adsorption (PSA) off gas as fuel, and EXCEPT for S3 and S7 which may also use naphtha fuel during periods of natural gas curtailment, test runs, or for operator training. [Regulation 9-1-304 (sulfur content), Regulation 2, Rule 1, Consent Decree Case No. 05-0258, DATE: 1/27/05] Amended Application 12931

2b. Sources S3 and S7 are permitted to use naphtha fuel only during periods of natural gas curtailment, test runs, or for operator training. These sources shall be monitored for visible

VI. Permit Conditions

emissions during tube cleaning. 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, Consent Decree Case No. 05-0258, DATE: 1/27/05] Amended Application 12931

2c. Sources S3 and S7 are permitted to use naphtha fuel only during periods of natural gas curtailment, test runs, or for operator training. 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, Consent Decree Case No. 05-0258, DATE: 1/27/05]. Amended Application 12931

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 1,612 lb/day on a monthly average basis from non-cogeneration sources burning fuel gas or liquid 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.

VI. Permit Conditions

[Regulation 2-6-409.2]

6. Sources listed below are affected facilities under NSPS Subpart J and are subject to the application requirements of NSPS Subparts A and J for fuel gas combustion devices. [Consent Decree Case No. 05-0258, DATE: 1/27/05]

S2	U229/B301
S3	U230/B201
S4	U231/B101
S5	U231/B102
S7	U231/B103
S8	U240/B1
S9	U240/B2
S10	U240/B101
S11	U240/B201
S12	U240/B202
S13	U240/B301
S14	U240/B401
S15-S19	U244/B501-B505
S20	U244/B506
S21	U244/B507
S22	U244/B606
S29	U200/B5
S30	U200/B101
S31	U200/B501

B. S351 PREHEATER

1. The S351 heater shall be abated by the A6 SCR unit at all times, except that S351 may operate without SCR abatement on a temporary basis for periods of planned or emergency maintenance. A District-approved NOx CEM shall monitor and record the S351 NOx emission rate whenever S351 operates without abatement. All emission limits applicable to S351 shall remain in effect whether or not it is operated with SCR abatement. [BACT, Cumulative Increase]

2. The concentration of NOx from S351 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 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]

VI. Permit Conditions

C. S371 AND S372 FURNACES

1. The S371 furnace shall be abated by the A16 SCR unit at all times, and the S372 furnace shall be abated by the A17 SCR unit at all times, except that S371 and S372 may operate without SCR abatement on a temporary basis for periods of planned or emergency maintenance. A District-approved NOx CEM shall monitor and record the NOx emission rates from these heaters whenever they operate without abatement. All emission limits applicable to S371 and S372 shall remain in effect whether or not they are operated with SCR abatement. [BACT, Cumulative Increase]

2. The concentration of NOx from S371 and S372 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 S371 and S372 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. S43 Coking Furnace (Unit 200 B-202) and S44 (Unit 200 B-201 PCT Reboil Furnace)

1. Nitrogen oxide emissions from the S43 Coking Furnace (Unit 200 B-202) shall be abated by Selective Catalytic Reduction Unit A4 at all times, except that S43 may operate without SCR abatement on a temporary basis for periods of planned or emergency maintenance. A District-approved NOx CEM shall monitor and record the S43 NOx emission rate whenever S43 operates without abatement. All emission limits applicable to S43 shall remain in effect whether or not it is operated with SCR abatement. [BACT, Cumulative Increase]

2. The nitrogen oxides in the flue gases for S43, Unit 200 B-202 Coking Furnace and S44, 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 shutdown period which shall not exceed 9 hours.

VI. Permit Conditions

[BACT, Cumulative Increase]

3. The carbon monoxide in the flue gas for S43, Unit 200 B-202 Coking Furnace and S44, 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: S43, Unit 200 B-202 Coking Furnace and S44, Unit 200 B-201 PCT Reboil Furnace. [BACT, Cumulative Increase]

E. S438 FURNACE

1. The S438 furnace shall be abated by the A46 SCR unit at all times, except that S438 may operate without SCR abatement on a temporary basis for periods of planned or emergency maintenance. A District-approved NOx CEM shall monitor and record the S438 NOx emission rate whenever S351 operates without abatement. All emission limits applicable to S438 shall remain in effect whether or not it is operated with SCR abatement. [BACT, Cumulative Increase]

2. Total fuel fired in S438 shall not exceed 2.19 E 12 btu in any rolling consecutive 365 day period. [Cumulative Increase]

3. Pressure swing adsorption (PSA) off gas used as fuel at S438 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 S438 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: 7 ppmv @ 3% oxygen, averaged over any 1 hour period
   CO: 32 ppmv @ 3% oxygen, averaged over any calendar day
   POC: 0.0023 lb/MMbtu of fuel used [BACT, Cumulative Increase]

5. The concentration of TRS in the blended fuel gas shall not exceed 14 ppmv averaged over any calendar month. [SO2 bubble, Cumulative Increase]

6. Daily records of the type and amount of fuel combusted at S438 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. [Cumulative Increase]

7. No later than 90 days from the startup of S438, the owner/operator shall conduct District-approved source tests to determine initial compliance with the limits in Part 4 for NOx, CO

VI. Permit Conditions

and POC. The owner/operator shall conduct the source tests in accordance with Part 8. The owner/operator shall submit the source test results to the District staff no later than 60 days after the source test. [BACT, Cumulative Increase]

8. The owner/operator shall obtain approval for all source test procedures from the District's Source Test Section prior to conducting any tests. The owner/operator shall comply with all applicable testing requirements for continuous emissions monitors as specified in Volume V of the District's Manual of Procedures. The owner/operator shall notify the District's Source Test Section, in writing, of the source test protocols and projected test dates at least 7 days prior to testing. [BACT, Cumulative Increase]

F. S2, S3, S4, S5, S7, S8, S9, S10, S11, S12, S13, S14 Heaters

1. Total fuel firing at Unit 240 (S8, S9, S10, S11, S12, S13, S14) shall not exceed 993.7 MMbtu/hr averaged over any consecutive 12 month period. [Cumulative Increase]

2. Total fuel fired at the MP-30 Complex, including Unit 229 (S2), Unit 230 (S3) and Unit 231 (S4, S5, S7) shall not exceed 346.5 MMbtu/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]

G. Regulation 9-10 Startup / Shutdown Provisions [Basis: 9-10-301]

For determining compliance with Regulation 9-10-301, the contribution of each affected unit that is in a startup or shutdown condition shall be based on the methods described in 9-10-301.1, and the contribution of each affected unit that is in an out of service condition shall be based on the methods described in 9-10-301.2. Low-firing conditions (no higher than 20% of a unit's rated capacity), including refractory dryout periods, shall be considered out of service conditions subject to the 30-day averaging procedure in Regulation 9-10-301.2, including the 60-day annual limit for this procedure.

1. Heaters S8 (Unit 240, B-1), S14 (Unit 240, B-401) and S44 (Unit 200, B-201) shall be considered to be in normal operation whenever they have detectable fuel flow, and shall be considered to be out of service for the purpose of Regulation 9-10-301 whenever they have undetectable fuel flow.

2. For heaters S43 (Unit 200, B-202), S351 (Unit 267, B-601/602) and S371/372 (Unit 228, B-520/521), the durations of startups, shutdowns and refractory dryout periods are defined in Condition 1694, Part D.2 (S43), Part B.2 (S351) and Part C.2 (S371, S372).

3. For heaters S10 (Unit 240, B-101) and S15 through S19 (Unit 244, B-501 through B-505), the duration of startups, shutdowns and low-firing periods are defined as follows:

   a. startup and shutdown periods are not to exceed 24 hours
   b. low-firing periods are not to exceed 72 hours

VI. Permit Conditions

4. For heater S13 (Unit 240, B-301), the duration of startups, shutdowns and low-firing periods are defined as follows:

   a. startup and shutdown periods are not to exceed 72 hours
   b. low-firing periods are not to exceed 72 hours

5. For heaters with no CEMS:

   S2 (Unit 229, B-301)
   S3 (Unit 230, B-201)
   S4 (Unit 231, B-101)
   S5 (Unit 231, B-102)
   S7 (Unit 231, B-103)
   S9 (Unit 240, B-2)
   S11 (Unit 240, B-201)
   S12 (Unit 240, B-202)
   S20 (Unit 244, B-506)
   S22 (Unit 248, B-606)
   S29 (Unit 200, B-5)
   S30 (Unit 200, B-101)
   S31 (Unit 200, B-501)
   S336 (Unit 231, B-104)
   S337 (Unit 231, B-105)

   startups, shutdowns, and out of service conditions shall each not exceed 5 days in succession at each source.

CONDITION 4336

CONDITIONS FOR S425, S426**,** Marine Loading Berths

1. For each loading event of "regulated organic liquid", A420 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 A420 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. A420 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 A420 is not fully operational. A420 must be maintained to be

VI. Permit Conditions

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]

6a. 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]

1. Deleted Application 13690
2. 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.

6b. The maximum loading rate at any time at both S425 and S426 shall not exceed 20,000 barrels per hour to prevent overloading the A420 oxidizer. [Cumulative Increase]

7. The owner/operator shall not receive more than 30,000 bbl per day crude oil delivered by tanker or ship on a 12 month rolling average basis. (Cumulative increase, 2-1-403)

8. All throughput records required to verify compliance with Parts 6 and 7, including hourly loading rate records (total for S425, S426), monthly crude oil receipt records, and maintenance records required for A420, 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]

9. The destruction efficiency of the A420 control system shall be at least 98.5% by weight over each loading event for gasoline, gasoline blending stocks, aviation gas, aviation fuel (JP-4 type), and crude oil. [BACT]

10. The purpose of part 10 is to implement an alternative monitoring plan to assure compliance with the H2S limit in 40 CFR 60.104(a)(1) at A420, Thermal Oxidizer. This part will apply whenever A420 is used to comply with BAAQMD Regulation 8, Rule 44, and whenever A420 is used to burn fuel gas as defined by 40 CFR 60.101(d). To ensure that the thermal oxidizer is not used to burn fuel gas that is high in H2S, the following activities are not allowed at the terminal: ballasting, cleaning, inerting, purging, and gas freeing. The owner/operator shall perform the following monitoring: One detection tube sampling shall be conducted on the vapors collected during the event for each marine vessel tank that is affected. The detector tube ranges shall be 0-10/0-100 ppm (N=10/1) unless the H2S level is above 100 ppm. If the H2S level is above 100 ppm, the owner/operator shall use a detection

VI. Permit Conditions

tube with a 0-500 ppm range. The owner/operator shall use ASTM Method 4913-00, Standard Practice for Determining Concentration of Hydrogen Sulfide by Reading Length of Stain, Visual Chemical Detectors. The owner/operator shall maintain records of the H2S detection tube test data for five years from the date of the record. In addition, the owner/operator shall monitor at least once every calendar day that the thermal oxidizer is used. Within 8 months of approval of this part pursuant to Application 13691, the owner/operator shall submit the first six months of results of the H2S analysis to the District's Engineering and Enforcement and Compliance Departments for review. [40 CFR 60.13(i), BAAQMD Regulation 2-6-501]

CONDITION 6671

CONDITIONS FOR S307

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 A50 condenser whenever the vent operates. [Regulation 8-2-301]

2. A50 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 A50 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 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]

6. Effective 1/1/05, an annual source test shall be performed on the vapor vent on the E-421 condenser to verify compliance with Regulation 8-2-301 in accordance with District source test methods or other methods approved in advance by the District. A copy of the test report shall be provided to the District Director of Compliance and Enforcement within 45 days of completion of the test. [Regulation 2-6-409.2]

CONDITION 6725

CONDITIONS FOR S432, DEISOBUTANIZER

1) All new flanges in hydrocarbon service associated with the S432 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

VI. Permit Conditions

approved equivalent valve designs. [BACT, Cumulative Increase]

2) All new pressure relief valves in hydrocarbon service associated with the S432 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 S432 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

FOR S433, MOSC STORAGE TANK

1. The emissions from the S433 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 S433 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 S433 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]

CONDITION 7523

CONDITIONS FOR S294, GASOLINE DISPENSING FACILITY(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

CONDITIONS FOR S449, TANK (T-285)

VI. Permit Conditions

1. Working emissions from S449 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

CONDITIONS FOR S370, U228 ISOMERIZATION UNIT

1. The feed rate at the S370 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 S370 feed rate shall be maintained for at least five years and shall be made available to the District upon request. [Recordkeeping]

CONDITION 12122

CONDITIONS FOR S352, S353, S354, S355, S356, S357, GAS TURBINES AND DUCT BURNERS

1. The gas turbines (S352, S353 and S354) and the heat recovery steam generator (HRG) duct burners (S355,S356 and S357) 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 S352 and S355 shall be abated at all times by SCR unit A13, except that S352 and S355 may operate without SCR abatement on a temporary basis for periods of planned or emergency maintenance. A District-approved NOx CEM shall monitor and record the 352 and S355 NOx emission rate whenever S352 and S355 operate without abatement. All emission limits applicable to S352 and S355 shall remain in effect whether or not they are operated with SCR abatement. [BACT, Cumulative Increase]

4. The exhaust from S353 and S356 shall be abated at all times by SCR unit A14, except that S353 and S356 may operate without SCR abatement on a temporary basis for periods of planned or emergency maintenance. A District-approved NOx CEM shall monitor and record the S353 and S356 NOx emission rate whenever S353 and S356 operate without abatement. All emission limits applicable to S353 and S356 shall remain in effect whether or not they are operated with SCR abatement. [BACT, Cumulative Increase]

5. The exhaust from S354 and S357 shall be abated at all times by SCR unit A15, except that S354 and S357 may operate without SCR abatement on a temporary basis for periods of planned or emergency maintenance. A District-approved NOx CEM shall monitor and record the S354 and S357 NOx emission rate whenever S354 and S357 operate without abatement. All emission limits applicable to S354 and S357 shall remain in effect whether or not they are

VI. Permit Conditions

operated with SCR abatement. [BACT, Cumulative Increase]

6. Total fuel fired in S355, S356, and S357 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 S352, S353, S354, S355, S356 and S357 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, S353, S354, S355, S356 and S357 shall be monitored with a District-approved continuous emission monitor. [BACT, Cumulative Increase]

10a. The combined CO emissions from S352, S353, S354, S 355, S356 and S357 shall not exceed 200 tons in any consecutive 365 day period. [BACT, Cumulative Increase]

10b. CO emissions from S 352, S353, S354, S355, S356 and S357 shall be monitored with a District-approved continuous emission monitor. [BACT, Cumulative Increase]

11. The combined POC emissions of S352, S353, S354, S355, S356 and S357 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]

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

VI. Permit Conditions

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

CONDITIONS FOR S439, TANK (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. S439 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

CONDITIONS FOR S440, TANK (T-110)

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

   3,600 thousand barrels [Cumulative Increase]

2. S440 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

CONDITIONS FOR S442, TANK (T-112)

VI. Permit Conditions

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

   2,740 thousand barrels [Cumulative Increase]

2. S442 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]

VI. Permit Conditions

CONDITION 12129

CONDITIONS FOR S444, TANK (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. S444 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

CONDITIONS FOR S445, TANK (T-271)

1. Working emissions from S445 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

CONDITIONS FOR S446, TANK (T-310)

1. Working emissions from S446 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

CONDITIONS FOR S447, TANK (T-311)

1. Working emissions from S447 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]

VI. Permit Conditions

CONDITION 12133

CONDITIONS FOR S448, TANK (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. S448 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

CONDITIONS FOR S450, GROUNDWATER EXTRACTION TRENCHES

1. Groundwater extracted from the S450 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

CONDITIONS FOR S182, STORAGE TANK

1. The POC emissions from the S182 fixed roof storage tank shall be collected and vented at all times to the fuel gas collection system. [Cumulative Increase]

VI. Permit Conditions

CONDITION 16677

CONDITIONS FOR S376, 377, 378, COLD CLEANERS

1. Net usage of citrus-based solvent at S376, S377 and S378 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 S376, S377 and S378 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 S380, , S389, SILOS

1a. Activated Carbon Silo S380 shall be vented through the A20 baghouse whenever the silo blower motor is in service. Baghouse operation is not required during unloading operations using only gravity feed. [Regulation 2-1-234]

1b. Diatomaceous Earth Silo S389 shall be vented through the A21 baghouse whenever it is in service. [Regulation 2-1-234]

2a. Baghouses A20 and A21 shall be equipped with differential pressure gauges to allow monitoring of baghouse operating condition. [Regulation 1-441]

VI. Permit Conditions

2b. Differential pressure on baghouse A20 shall be checked at least once per calendar quarter to verify normal operating condition. [Regulation 1-441]

2c. Differential pressure on baghouse A21 shall be checked each time that the baghouse is operated to verify normal operating condition. [Regulation 1-441]

3. A record of all differential pressure readings for baghouses A20 and A21 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
FOR SOURCES S296 AND S398, FLARES

1. Deleted Application 12601.

2. Deleted Application 12601.

3. For the purposes of these conditions, a flaring event is defined as a flow rate of vent gas flared in any consecutive 15 minutes period that continuously exceeds 330 standard cubic feet per minute (scfm). If during a flaring event, the vent gas flow rate drops below 330 scfm and then increases above 330 scfm within 30 minutes, that shall still be considered a single flaring event, rather than two separate events. For each flaring event during daylight hours (between sunrise and sunset), the owner/operator shall inspect the flare within 15 minutes of determining the flaring event, and within 30 minutes of the last inspection thereafter, using video monitoring or visible inspection following the procedure described in Part 4. [Regulation 2-6-409.2]

4. The owner/operator shall use the following procedure for the initial inspection and each 30-minute inspection of a flaring event.

   a. If the owner/operator can determine that there are no visible emissions using video monitoring, then no further monitoring is necessary for that particular inspection.
   b. If the owner/operator cannot determine that there are no visible emissions using video monitoring, the owner/operator shall conduct a visual inspection outdoors using either:
      i. EPA Reference Method 9; or
      ii. Survey the flare by selecting a position that enables a clear view of the flare at least 15 feet, but not more than 0.25 miles, from the emission source, where the sun is not directly in the observer's eyes.
   c. If a visible emission is observed, the owner/operator shall continue to monitor the flare for at least 3 minutes, or until there are no visible emissions, whichever is shorter.
   d. The owner/operator shall repeat the inspection procedure for the duration of the flaring event, or until a violation is documented in accordance with Part 5. After a violation is documented, no further inspections are required until the beginning of a new calendar day.
   [Regulation 6-301, 2-1-403]

5. The owner/operator shall comply with one of the following requirements if visual inspection is used:

VI. Permit Conditions

a. If EPA Method 9 is used, the owner/operator shall comply with Regulation 6-301 when operating the flare.
b. If the procedure of Part 4.b.ii is used, the owner/operator shall not operate a flare that has visible emissions for three consecutive minutes.

[Regulation 2-6-403]

6. The owner/operator shall keep records of all flaring events, as defined in Part 3. The owner/operator shall include in the records the name of the person performing the visible emissions check, whether video monitoring or visual inspection (EPA Method 9 or visual inspection procedure of Part 4) was used, the results of each inspection, and whether any violation of this condition (using visual inspection procedure in Part 4) or Regulation 6-301 occurred (using EPA Method 9). [Regulation 2-6-501; 2-6-409.2]

7. Deleted Application 12601.

CONDITION 18629
CONDITIONS FOR S352, S353, S354, S355, S356, S357, TURBINES AND DUCT BURNERS

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

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

II. [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.

VI. Permit Conditions

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

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 Parts 52, 60 and 61 and all other applicable Federal, State and local air quality regulations.

IX. Special Conditions

A. [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.

VI. Permit Conditions

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

D. Operating Limitations

1. The gas turbines and Heat Recovery Steam Generator (HRG) burners shall be fired only 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 (60.13 and 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.

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

VI. Permit Conditions

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 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: A3-3) 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 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

g. Excess emissions indicated by the CEM system shall be considered violations of the applicable emission limits for the purpose of this permit.

H. <u>New Source Performance Standards</u>

The proposed cogeneration facility is subject to the Federal regulations entitled Standards of

VI. Permit Conditions

Performance for New Stationary Sources (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: A3-3)
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

CONDITIONS FOR S294, GASOLINE DISPENSING FACILITY (GDF 7609

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 S1001, S1002, S1003, SULFUR RECOVERY UNITS

1. Deleted Application 12433.

VI. Permit Conditions

2. Deleted Application 12433.

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]

4. The Owner/Operator shall perform a visible emissions check on Sources S-1001, S-1002, and S-1003 on a monthly basis. The visible emissions check shall take place while the equipment is operating and during daylight hours. If any visible emissions are detected, the owner/operator shall have a CARB-certified smoke reader determine compliance with the opacity standard, using EPA Method 9 or the procedures outlined in the CARB manual, "Visible Emissions Evaluation" for six (6) minutes within three (3) days and record the results of the reading. If the reading is in compliance with the Ringelmann 1.0 limit in BAAQMD Regulation 6-301, the reading shall be recorded and the owner/operator shall continue to perform a visible emissions check on a monthly basis. If the reading is not in compliance with the Ringelmann 1.0 limit in BAAQMD Regulation 6-301,the owner/operator shall take corrective action and report the violation in accordance with Standard Condition 1.F of this permit. The certified smoke-reader shall continue to conduct the Method 9 or CARB Visible Emission Evaluation on a daily basis until the daily reading shows compliance with the applicable limit or until the equipment is shut down. Records of visible emissions checks and opacity readings made by a CARB-certified smoke reader shall be kept for a period of at least 5 years from date of entry and shall be made available to District staff upon request. [Basis: Regulations 6-301, 2-6-501, 2-6-503]

CONDITION 19476

CONDITIONS FOR S451, TANK

1. The total throughput at tank S451 shall not exceed 11,000,000 barrels in any consecutive 12-month period. [Cumulative Increase]

2. S451 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 S451 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

CONDITIONS FOR S50, S51, S52, DIESEL ENGINES

VI. Permit Conditions

1. The owner/operator of turbine startup engines S50, S51 and S52 shall operate each of these engines no more than 100 hours per calendar year. [Cumulative Increase]

2. The owner/operator of S50, S51 and S52 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 S53, S54, S55, S56, S57, S58, S59

3. The owner/operator of emergency standby engines S53, S54, S55, S56, S57, S58, and S59 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 20773, TANKS EXEMPT FROM REGULATION 8, RULE 5

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).

VI. Permit Conditions

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]

CONDITION 21092

CONDITIONS FOR S300, DELAYED COKER

1. The owner/operator of S300 shall not exceed a total charging rate to S300 (Coking Unit 200) of 81,000 barrels on any day. [Cumulative Increase]

2. The owner/operator shall maintain a file 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]

3. Each month, within 30 days of the end of the month, the owner/operator shall make an operational report to the APCO. Each monthly report shall include the following information for the month being reported:

   a. S300 daily charging rate for all feed streams [BACT, Cumulative Increase]

CONDITION 21094

CONDITIONS FOR S460 HYDROTREATER

1. The owner/operator of S460 shall not exceed a feed rate of 35,000 bbl/day on a monthly average basis at this unit. [Regulation 2-1-234]

2. The owner/operator of S460 shall maintain the following records in a District-approved log.

VI. Permit Conditions

These records shall be kept for at least 5 years and shall be made available to the District upon request.

a. Daily records of feed throughput
b. Average daily feed rate for each calendar month [Regulation 2-1-234]

CONDITION 21095

CONDITIONS FOR S304 HYDROTREATER

1. The owner/operator of S304 shall not exceed a feed rate of 12,198 bbl/day on a monthly average basis. [Regulation 2-1-234]

2. The owner/operator of S304 shall maintain the following records in a District-approved log. These records shall be kept for at least 5 years and shall be made available to the District upon request.

   a. Daily records of feed throughput
   b. Average daily feed rate for each calendar month [Regulation 2-1-234]

CONDITION 21096

CONDITIONS FOR S461 HEATER

1. The owner/operator of the S461 heater shall fire only refinery fuel gas or natural gas at this unit. [BACT, Cumulative Increase]

2. Based on refinery gas HHV, the owner/operator of S461 shall not exceed the following firing rates:

   a. 50.2 million btu/hr
   b. 439,800 million btu in any consecutive 12-month period. [Cumulative Increase]

3a. The owner/operator of S461 shall abate emissions from S461 at the A461 SCR system whenever S461 is operated, except that S461 may operate without SCR abatement on a temporary basis for periods of planned or emergency maintenance. A District-approved NOx CEM shall monitor and record the S461 NOx emission rate whenever S461 operates without abatement. All emission limits applicable to S461 shall remain in effect even if it is operated without SCR abatement. [BACT, Cumulative Increase]

3b. The owner/operator of A461 shall not exceed the following emission rates from S461/A461 except during startups and shutdowns. Startups and shutdowns shall not exceed 24 consecutive hours. The 24 consecutive-hour startup period is in addition to heater dryout/warmup periods, which shall not exceed 72 consecutive hours.

VI. Permit Conditions

NOx	10 ppmv @ 3% oxygen (3 hr average)	[BACT, Cumulative Increase]
CO	28 ppmv @ 3% oxygen (8 hr average) at 25.1 MMbtu/hr and higher firing rates, 50 ppmv @ 3% oxygen (8 hr average) at firing rates below 25.1 MMbtu/hr	[BACT, Cumulative Increase]
POC	5.5 lb/MM ft3	[Cumulative Increase]
PM10	7.6 lb/MM ft3	[Cumulative Increase]

*3c. The owner/operator of S461 shall not exceed the following emission rate from S461/A461 except during startups and shutdowns. Startups and shutdowns shall not exceed 24 consecutive hours. The 24 consecutive-hour startup period is in addition to heater dryout/warmup periods, which shall not exceed 72 consecutive hours.

Ammonia	10 ppmv @ 3% oxygen (8 hr average)	[Toxic Management]

4. The owner/operator shall equip S461 with a District-approved continuous fuel flow monitor and recorder in order to determine fuel consumption. A parametric monitor as defined in Regulation 1-238 is not acceptable. The owner/operator shall keep continuous fuel flow records for at least five years and shall make these records available to the District upon request. [Cumulative Increase]

5a. The owner/operator shall install, calibrate, maintain, and operate a District-approved continuous emission monitor and recorder for NOx and O2. The owner/operator shall keep NOx and O2 data for at least five years and shall make these records available to the District upon request. [BACT, Cumulative Increase]

5b. Following the initial source test, the owner/operator shall monitor compliance with the CO emission rate limit in Part 3b with a District-approved semi-annual source test, with at least one source test per year deemed by the District to be representative of normal operation. The owner/operator shall submit the source test results to the District staff no later than 60 days after the source test. The time interval between source tests shall not exceed 8 months. CO source tests performed by the District may be substituted for semi-annual CO source tests. If two or more CO source tests, over any consecutive five year period, indicate a CO emission rate of 200 ppmv @ 3% O2 or higher, the owner/operator shall install and operate a District-approved continuous CO monitor/recorder within the time period specified in the District Manual of Procedures.[BACT, Cumulative Increase]

6. The owner/operator shall use only refinery fuel gas at S461 that does not exceed the following limits:

a. 100 ppmv totaled reduced sulfur (TRS), averaged over a calendar day
b. 45 ppmv TRS, averaged over any rolling consecutive 365-day period.

[BACT, Cumulative Increase]

7a. The owner/operator shall test refinery fuel gas prior to combustion at S461 to determine 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

VI. Permit Conditions

mercaptan, methyl sulfide, and dimethyl disulfide.

7a.1. 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). For the purposes of the daily limit, the owner/operator will presume that the results are TRS, unless the sample is analyzed for TRS by GC analysis. At least one sample per week shall be analyzed using a GC. The owner/operator shall use the results of the samples that have been analyzed by GC analysis for the purposes of the annual limit.

7b. To demonstrate compliance with Part 6, the owner/operator shall measure and record the daily average TRS content and the 365-day average TRS content of the refinery fuel gas fired in S461, unless required to operate a District-approved continuous monitor/recorder by Part 7a. The owner/operator shall keep TRS records, whether they are the results of GC analysis or continuous analyzer data, for at least five years and shall make these records available to the District upon request. [BACT, Cumulative Increase]

7c. For the purpose of demonstrating compliance with the H2S limit in 60.104(a)(1), the owner/operator shall test refinery fuel gas prior to combustion at S461 to determine total H2S 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. Records of H2S monitoring shall be kept for at least five years after the date the record was made. The owner/operator shall submit a semi-annual report regarding this monitoring to the District and to EPA. The reporting periods shall start on January 1st and July 1st of each year. The reports shall be submitted by January 31st and July 31st of each year. If the limit has not been exceeded during the reporting period, this information shall be stated in the report. If the limit has been exceeded, the owner/operator shall report the date and time that the exceedance began and the date and time that the exceedance ended. The owner operator shall estimate and report the excess emissions during the exceedance. [60.13(i)]

8. Deleted Application 11626.

9. Deleted Application 11626.

10. The owner/operator shall record the duration of all startups, shutdowns, and heater dryout/warmup periods to determine compliance with parts 3b and 3c. The owner/operator shall keep the records for at least five years and shall make these records available to the District upon request. [2-6-503]

CONDITION 21097

CONDITIONS FOR S36 HEATER

1. The owner/operator of the S36 heater shall fire only refinery fuel gas or natural gas at this unit. [BACT, Cumulative Increase]

VI. Permit Conditions

2. Based on refinery gas HHV, the owner/operator of S36 shall not exceed the following firing rates:

   a. 82.1 million btu/hr
   b. 719,200 million btu in any consecutive 12-month period. [Cumulative Increase]

3a. The owner/operator of S36 shall abate emissions from S36 at the A36 SCR system whenever S36 is operated, except that S36 may operate without SCR abatement on a temporary basis for periods of planned or emergency maintenance. A District-approved NOx CEM shall monitor and record the S36 NOx emission rate whenever S36 operates without abatement. All emission limits applicable to S36 shall remain in effect even if it is operated without SCR abatement. [BACT, Cumulative Increase]

3b. The owner/operator of S36 shall not exceed the following emission rates from S36/A36 except during startups and shutdowns. Startups and shutdowns shall not exceed 24 consecutive hours. The 24 consecutive-hour startup period is in addition to heater dryout/warmup periods, which shall not exceed 72 consecutive hours.

NOx	10 ppmv @ 3% oxygen (3 hr average)	[BACT, Cumulative Increase]
CO	28 ppmv @ 3% oxygen (8 hr average)	[BACT, Cumulative Increase]
POC	5.5 lb/MM ft3	[Cumulative Increase]
PM10	7.6 lb/MM ft3	[Cumulative Increase]

*3c. The owner/operator of S36 shall not exceed the following emission rate from S36/A36 except during startups and shutdowns. Startups and shutdowns shall not exceed 24 consecutive hours. The 24 consecutive-hour startup period is in addition to heater dryout/warmup periods, which shall not exceed 72 consecutive hours.

Ammonia	10 ppmv @ 3% oxygen (8 hr average)	[Toxic Management]

4. The owner/operator shall equip S36 with a District-approved continuous fuel flow monitor and recorder in order to determine fuel consumption. A parametric monitor as defined in Regulation 1-238 is not acceptable. The owner/operator shall keep continuous fuel flow records for at least five years and shall make these records available to the District upon request. [Cumulative Increase]

5a. The owner/operator shall install, calibrate, maintain, and operate a District-approved continuous emission monitor and recorder for NOx and O2. The owner/operator shall keep NOx and O2 data for at least five years and shall make these records available to the District upon request. [BACT, Cumulative Increase]

5b. Following the initial source test, the owner/operator shall monitor compliance with the CO emission rate limit in Part 3b with a District-approved semi-annual source test, with at least one source test per year deemed by the District to be representative of normal operation. The owner/operator shall submit the source test results to the District staff no later than 60 days after the source test. The time interval between source tests shall not exceed 8 months. CO

VI. Permit Conditions

source tests performed by the District may be substituted for semi-annual CO source tests. If two or more CO source tests, over any consecutive five year period, indicate a CO emission rate of 200 ppmv @ 3% O2 or higher, the owner/operator shall install and operate a District-approved continuous CO monitor/recorder within the time period specified in the District Manual of Procedures. [BACT, Cumulative Increase]

6. The owner/operator shall use only refinery fuel gas at S36 that does not exceed the following limits:

   a. 100 ppmv totaled reduced sulfur (TRS), averaged over a calendar day
   b. 45 ppmv TRS, averaged over any rolling consecutive 365-day period.

   [BACT, Cumulative Increase]

7a. The owner/operator shall test refinery fuel gas prior to combustion at S36 to determine 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, and dimethyl disulfide.

   7a.1. 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). For the purposes of the daily limit, the owner/operator will presume that the results are TRS, unless the sample is analyzed for TRS by GC analysis. At least one sample per week shall be analyzed using a GC. The owner/operator shall use the results of the samples that have been analyzed by GC analysis for the purposes of the annual limit.

7b. To demonstrate compliance with Part 6, the owner/operator shall measure and record the daily average TRS content and the 365-day average TRS content of the refinery fuel gas fired in S36, unless required to operate a District-approved continuous monitor/recorder by Part 7a. The owner/operator shall keep TRS records, whether they are the results of GC analysis or continuous analyzer data, for at least five years and shall make these records available to the District upon request. [BACT, Cumulative Increase]

7c. For the purpose of demonstrating compliance with the H2S limit in 60.104(a)(1), the owner/operator shall test refinery fuel gas prior to combustion at S36 to determine total H2S 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. Records of H2S monitoring shall be kept for at least five years after the date the record was made. The owner/operator shall submit a semi-annual report regarding this monitoring to the District and to EPA. The reporting periods shall start on January 1st and July 1st of each year. The reports shall be submitted by January 31st and July 31st of each year. If the limit has not been exceeded during the reporting period, this information shall be stated in the report. If the limit has been exceeded, the owner/operator shall report the date and time that the exceedance began and the date and time that the exceedance ended. The owner operator shall estimate and report the excess emissions during the exceedance. [60.13(i)]

VI. Permit Conditions

8. Deleted Application 11626.

9. Deleted Application 11626.

10. The owner/operator shall record the duration of all startups, shutdowns, and heater dryout/warmup periods to determine compliance with parts 3b and 3c. The owner/operator shall keep the records for at least five years and shall make these records available to the District upon request. [2-6-503]

CONDITION 21099

CONDITIONS FOR ULSD PROJECT FUGITIVE COMPONENTS

1. The owner/operator shall equip all light hydrocarbon control valves installed as part of the USLD Project with live loaded packing systems and polished stems, or equivalent. [BACT]

2. The owner/operator shall equip all flanges/connectors installed in the light hydrocarbon piping systems as part of the USLD Project with graphitic-based gaskets unless the service requirements prevent this material. [BACT]

3. The owner/operator shall equip all new hydrocarbon centrifugal compressors installed as part of the USLD Project with "wet" dual mechanical seals with a heavy liquid barrier fluid, or dual dry gas mechanical seals buffered with inert gas. [BACT]

4. The owner/operator shall equip all new light hydrocarbon centrifugal pumps installed as part of the USLD Project with a seal-less design or with dual mechanical seals with a heavy liquid barrier fluid, or equivalent. [BACT]

5. The owner/operator shall integrate all new fugitive equipment installed as part of the USLD Project, in organic service, into the facility fugitive equipment monitoring and repair program. [BACT]

6. The Owner/Operator shall submit a count of installed pumps, compressors, valves, and flanges/connectors every 180 days until completion of the project. For flanges/connectors, the owner/operator shall also provide a count of the number of graphitic-based and non-graphitic gaskets used. The owner/operator has been permitted to install fugitive components (5,410 valves, 2,376 flanges, 3,564 connectors, 26 pumps, 14 compressors) with a total POC emission rate of 8.62 ton/yr. If there is an increase in the total fugitive component emissions, the plant's cumulative emissions for the project shall be adjusted to reflect the difference between emissions based on predicted versus actual component counts. The owner/operator shall provide to the District all additional required offsets at an offset ratio of 1.15:1 no later than 14 days after the submittal of the final POC fugitive equipment count. If the actual component count is less than the predicted, at the completion of the project, the total will be adjusted accordingly and all emission offsets applied by the owner/operator in excess of the actual total fugitive emissions will be credited back to owner/operator prior to issuance of the permits.

VI. Permit Conditions

[BACT, Cumulative Increase, Toxic Management]

CONDITION 21235

REGULATION 9-10 COMPLIANCE
CONDITIONS FOR SOURCES S2, S3, S4, S5, S7, S8, S9, S10, S11, S12, S13, S14, S15, S16, S17, S18, S19, S20, S22, S29, S30, S31, S43, S44, S336, S337, S351, S371, S372, HEATERS

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

S#	Description	NOx CEM
2	U229, B-301 Heater	No
3	U230, B-201 Heater	No
4	U231, B-101 Heater	No
5	U231, B-102 Heater	No
7	U231, B-103 Heater	No
8	U240, B-1 Boiler	Yes
9	U240, B-2 Boiler	No
10	U240, B-101 Heater	Yes
11	U240, B-201 Heater	No
12	U240, B-202 Heater	No
13	U240, B-301 Heater	Yes
14	U240, B-401 Heater	Yes
15	U244, B-501 Heater	Yes
16	U244, B-502 Heater	Yes
17	U244, B-503 Heater	Yes
18	U244, B-504 Heater	Yes
19	U244, B-505 Heater	Yes
20	U244, B-506 Heater	No
22	U248, B-606 Heater	No
29	U200, B-5 Heater	No
30	U200, B-101 Heater	No
31	U200, B-501 Heater	No
43	U200, B-202 Heater	Yes
44	U200, B-201 PCT Reboil Furnace	Yes
336	U231 B-104 Heater	No
337	U231 B-105 Heater	No
351	U267 B-601/602 Tower Pre-Heaters	Yes
371	U228 B-520 (Adsorber Feed) Furnace	Yes
372	U228 B-521 (Hydrogen Plant) Furnace	Yes

2. The owner/operator of each source listed in Part 1 shall properly install, properly maintain, and properly operate an O2 monitor and recorder. This Part shall be effective December 1, 2004. [Regulation 9-10-502]

VI. Permit Conditions

3. The owner/operator shall operate each source listed in Part 1, which does not have a NOx CEM within specified ranges of operating conditions (firing rate and oxygen content) as detailed in Part 5. The ranges shall be established by utilizing data from district-approved source tests.

   a. The NOx Box for units with a maximum firing rate of 25 MMbtu/hr or more shall be established using the procedures in Part 4.
   b. The NOx Box for units with a maximum firing rate less than 25 MMbtu/hr shall be established as follows: High-fire shall be the maximum rated capacity. Low-fire shall be 20% of the maximum rated capacity. There shall be no maximum or minimum O2.
   [Regulation 9-10-502q]

4. The owner/operator shall establish the initial NOx box for each source subject to Part 3 by December 1, 2004. The NOx Box may consist of two operating ranges in order to allow for operating flexibility and to encourage emission minimization during standard operation. The procedure for establishing the NOx box is as follows:

   a. Conduct District-approved source tests for NOx and CO, while varying the oxygen concentration and firing rate over the desired operating ranges for the furnace;
   b. Determine the minimum and maximum oxygen concentrations and firing rates for the desired operating ranges (Note that the minimum O2 at low-fire may be different than the minimum O_2 at high-fire. The same is true for the maximum O2). The owner/operator shall also verify the accuracy of the O2 monitor on an annual basis.
   c. Determine the highest NOx emission factor (lb/MMbtu) over the preferred operating ranges while maintaining CO concentration below 200 ppm; the owner/operator may choose to use a higher NOx emission factor than tested.
   d. Plot the points representing the desired operating ranges on a graph. The resulting polygon(s) are the NOx Box, which represents the allowable operating range(s) for the furnace under which the NOx emission factor from part 5a is deemed to be valid.
   i. The NOx Box can represent/utilize either one or two emission factors.
   ii. The NOx Box for each emission factor can be represented either as a 4 or 5-sided polygon The NOx box is the area within the 4 or 5-sided polygon formed by connecting the source test parameters that lie about the perimeter of successful approved source tests. The source test parameters forming the corners of the NOx box are listed in Part 5.
   e. Upon establishment of each NOx Box, the owner/operator shall prepare a graphical representation of the box. The representation shall be made available on-site for APCO review upon request. The box shall also be submitted to the BAAQMD with permit amendments.
   [Regulation 9-10-502]

5. Except as provided in Part 5b and 5c, the owner/operator shall operate each source within the NOx Box ranges listed below at all times of operation. This part shall not apply to any source that has a properly operated and properly installed NOx CEM.

   a. NOx Box ranges

VI. Permit Conditions

Source No.	Emission Factor (lb/MMbtu)	Min O_2 at Low Firing (O2% , MMbtu/hr)	Max O_2 at Low Firing (O2% , MMbtu/hr)	Min O_2 at High Firing (O2% , MMbtu/hr)	Mid O_2 at Mid/High Firing (polygon) (O2% , MMbtu/hr)	Max O_2 at High Firing (O2% , MMbtu/hr)
2	tbd	tbd	tbd	tbd	tbd	tbd
3	tbd	tbd	tbd	tbd	tbd	tbd
4	tbd	tbd	tbd	tbd	tbd	tbd
5	tbd	tbd	tbd	tbd	tbd	tbd
7	tbd	tbd	tbd	tbd	tbd	tbd
9	tbd	tbd	tbd	tbd	tbd	tbd
11	tbd	tbd	tbd	tbd	tbd	tbd
12	tbd	tbd	tbd	tbd	tbd	tbd
20	tbd	tbd	tbd	tbd	tbd	tbd
22	tbd	tbd	tbd	tbd	tbd	tbd
29	tbd	tbd	tbd	tbd	tbd	tbd
30	tbd	tbd	tbd	tbd	tbd	tbd
31	tbd	tbd	tbd	tbd	tbd	tbd
336	tbd	tbd	tbd	tbd	tbd	tbd
337	tbd	tbd	tbd	tbd	tbd	tbd

The limits listed above are based on a calendar day averaging period for both firing rate and O2%.

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

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

[Regulation 9-10-502]

6a. The owner/operator may deviate from the NOx Box (either the firing rate or oxygen limit) provided that the owner/operator conducts a District-approved source test which replicates the past operation outside of the established ranges. The source test representing the new conditions shall be conducted no later than the next regularly scheduled source test period, or within eight months, whichever is sooner. The source test results will establish whether the source was operating outside of the emission factor utilized for the source. The source test results shall be submitted to the District Source Test manager within 45 days of the test. As necessary, a permit amendment shall be submitted.

i. Source Test <= Emission Factor

If the results of this source test do not exceed the higher NOx emission factor in Part 5, or the

VI. Permit Conditions

CO limit in Part 9, the unit will not be considered to be in violation during this period for operating out of the "box." The facility may submit an accelerated permit program permit application to request an administrative change of the permit condition to adjust the NOx Box operating range(s), based on the new test data.

ii. Source Test > Emission Factor

If the results of this source test exceed the permitted emission concentrations or emission rates then, utilizing measured emission concentration or rate, the owner/operator shall perform an assessment, retroactive to the date of the previous source test, of compliance with Section 9-10-301. The unit will be considered to have been in violation of 9-10-301 for each day the facility was operated in excess of the refinery wide limit. The facility may submit a permit application to request an alteration of the permit condition to change the NOx emission factor and/or adjust the operating range, based on the new test data. [Regulation 9-10-502]

6b. The owner/operator must report conditions outside of box within 96 hours of occurrence. [Regulation 9-10-502]

7. For each source subject to Part 3, the owner/operator shall conduct source tests at the schedule listed below. The source tests are performed in order to measure NOx, CO, and O2 at the as-found firing rate, or at conditions reasonably specified by the APCO. The source test results shall be submitted to the District Source Test manager within 45 days of the test.

a. Source Testing Schedule

i. Heater < 25 MMbtu/hr: One source test per consecutive 12 month period. The time interval between source tests shall not exceed 16 months.
ii. Heaters ≥ 25 MMbtu/hr: Two source tests per consecutive 12 month period. The time interval between source tests shall not exceed 8 months and not be less than 5 months apart. The source test results shall be submitted to the district source test manager within 45 days of the test.

b. If the results of any source test under this part exceed the permitted concentrations or emission rates the owner/operator shall follow the requirements of Part 6a(ii). If the owner/operator chooses not to submit an application to revise the emission factor, the owner/operator shall conduct another Part 7 source test, at the same conditions, within 90 days of the initial test. [Regulation 9-10-502]

8. For each source listed in Part 1 with a NOx CEM installed, the owner/operator shall conduct semi-annual District-approved CO source tests at as-found conditions. The time interval between source tests shall not exceed 8 months. District conducted CO emission tests associated with District-conducted NOx CEM field accuracy tests may be substituted for the CO semi-annual source tests. [Regulation 9-10-502]

9. For any source listed in Part 1 for which any two source test results over any consecutive five year period are greater than or equal to 200 ppmv CO at 3% O2, the owner/operator shall properly install, properly maintain, and properly operate a CEM to continuously measure CO

VI. Permit Conditions

and O2. The owner/operator shall install the CEM within the time period allowed in the District's Manual of Procedures. [Regulation 9-10-502, 1-522]

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

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 S15 through S19
16	Table II-A	19.9 E 6 therm total at S15 through S19
17	Table II-A	19.9 E 6 therm total at S15 through S19
18	Table II-A	19.9 E 6 therm total at S15 through S19
19	Table II-A	19.9 E 6 therm total at S15 through S19
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

VI. Permit Conditions

source number	hourly / daily throughput limit	annual throughput limit (any consecutive 12-month period unless otherwise specified)
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
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
*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
*193	NA for tank	100 bbl
*194	NA for tank	100 bbl
195	NA for tank	525,600 bbl for S195, S196, S388 (combined)
196	NA for tank	525,600 bbl for S195, S196, S388 (combined)
*216	NA for tank	4.6 E 6 bbl

VI. Permit Conditions

source number	hourly / daily throughput limit	annual throughput limit (any consecutive 12-month period unless otherwise specified)
*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
*261	NA for tank	7.01 E 7 bbl
294	20 gpm	400,000 gallons
301	Table II-A	98,915 long ton for S301, S302, S303
302	Table II-A	98,915 long ton for S301, S302, S303
303	Table II-A	98,915 long ton for S301, S302, S303
305	Table II-A	10.22 E 6 bbl
306	Table II-A	7.67 E 6 bbl
307	Table II-A	1.533 E 7 bbl
308	Table II-A	5.87 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	3.51 E 6 bbl
324	Table II-A	3.68 E 9 gallons
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 S371/S372
372	Table II-A	4.8 E6 therm for S371/S372
380	0.45 ton/hr	3,942 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

VI. Permit Conditions

source number	hourly / daily throughput limit	annual throughput limit (any consecutive 12-month period unless otherwise specified)
385	Table II-A	3.68 E 9 gal
386	3600 gal/hr	3.2 E 7 gal
387	Table II-A	13.14 E 6 gal
388	Table II-A	525,600 bbl for S195, S196, S388 (combined)
389	0.21 ton/hr	1840 ton
390	N/A for tank	7.884 E 6 gal
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
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
462	Table II-A	1.533 E 9 ft3
463	Table II-A	365,000 bbl
1001	Table II-A	98,915 long ton for S1001, S1002, S1003
1002	Table II-A	98,915 long ton for S1001, S1002, S1003
1003	Table II-A	98,915 long ton for S1001, S1002, S1003
1007	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, for any unscheduled startup or shutdown of a process unit, within 48 hours or within the next normal business day. The notification shall be sent in writing by fax or email to the Director of Enforcement and Compliance. This requirement is not federally enforceable. [Regulation 2-1-403]

CONDITION 22478
For Sources S123 (Tank 168), S124 (Tank 169), S186 (Tank 298), and S334 (Tank 107)

1. The owner/operator shall ensure that S123 contains only petroleum liquid with a true vapor pressure less than or equal to 1.5 psia. [Cumulative Increase]

VI. Permit Conditions

2. The owner/operator shall ensure that the emissions of S124 do not exceed 6,815 lb VOC in any consecutive 12-month period. S124 shall only contain petroleum liquids. [Cumulative Increase]

3. The owner/operator shall ensure that the emissions of S186 do not exceed 2,231 lb VOC in any consecutive 12-month period. S186 shall only contain petroleum liquids. [Cumulative Increase]

4. The owner/operator shall ensure that S334 contains only crude oil or a less volatile petroleum liquid with a true vapor pressure less than or equal to 6.75 psia. [Cumulative Increase]

5. The owner/operator shall ensure that the throughput of petroleum liquids at S123 does not exceed 3,000,000 barrels/yr. [Cumulative Increase]

6. The owner/operator shall ensure that the throughput of crude oil or other petroleum liquids at S334 does not exceed 5,000,000 barrels/yr. [Cumulative Increase]

7. The owner/operator shall equip S123, S124, S186, and S334 with a BAAQMD approved roof with mechanical shoe primary seal and zero gap secondary seal meeting the design criteria of BAAQMD Regulation 8, Rule 5. The owner/operator shall ensure that there are no ungasketed roof penetrations, no slotted pipe guide poles unless equipped with float and wiper seals, and no adjustable roof legs unless fitted with vapor seal boots or equivalent. [BACT, cumulative increase]

8. The owner/operator shall calculate the emissions of S124 and S186 on a calendar month basis using the AP-42 equations. The owner/operator shall use actual throughputs, actual vapor pressures, and actual temperature data for each month. The owner/operator shall calculate the emissions for the last 12-month period on a monthly basis. The calculations shall be complete within a calendar month after the end of each monthly period. [Cumulative increase]

CONDITION 22518
For Sources S135 (Tank 200), S137 (Tank 202)

1. The owner/operator shall ensure that S135 contains only petroleum liquid with a true vapor pressure less than or equal to 11 psia. [Cumulative Increase]

2. The owner/operator shall ensure that S137 contains only petroleum liquid with a true vapor pressure less than or equal to 11 psia. [Cumulative Increase]

3. The owner/operator shall ensure that the throughput of petroleum liquids at S135 and S137 does not exceed 10,000,000 barrels/yr at each tank. [Cumulative Increase]

4. The owner/operator shall ensure that S135 and S137 are controlled at all times that petroleum fluids are stored in the tanks by A7, Vapor Recovery System. [Cumulative

VI. Permit Conditions

Increase]

5. The owner/operator shall not clean S135 and S137 when switching from one petroleum fluid to another. [Cumulative Increase]

CONDITION 22549
Source 318, U76 Gasoline/Mid Barrel Blending Unit

1. The owner/operator shall ensure that the daily throughput of petroleum liquids, excluding diesel, at S318, U76 Gasoline/Mid Barrel Blending Unit, does not exceed 113,150 barrels/day. No daily limit is placed on diesel. [Cumulative Increase]

2. The owner/operator shall keep daily records of throughput of all petroleum fluids at S318, U76 Gasoline/Mid Barrel Blending Unit, 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]

CONDITION 22121
For Sources S452, S453, S455, S457, S458, S500, Cooling Towers (Application 10349)

1. The owner/operator shall take a sample and perform a visual inspection of the cooling tower water at each cooling tower above on a daily basis to check for signs of hydrocarbon in the cooling water. [Regulation 2-6-503]

2. The owner/operator shall take a sample of the cooling tower water 3 times per week at each cooling tower above and analyze for chlorine content as an indicator of hydrocarbon leakage into the cooling water. On a monthly basis, the owner/operator shall sample the water in the inlet line and in the return line of each cooling tower and determine the VOC content in each line using EPA laboratory method 8015. [Regulation 2-6-503]

3. The owner/operator shall maintain monthly records of sodium hypochlorite (NaOCl) usage at each cooling tower above. [Regulation 2-6-501]

4. *The owner/operator shall sample the cooling tower water at each cooling tower at least once per month and subject the sample to a District approved laboratory analysis to determine its total dissolved solids content. [Regulations 2-6-503, Regulation 3]

5. If the monitoring in part 1 or part 2 indicates that there is a hydrocarbon leak into the cooling water, the owner/operator shall submit a report to the Enforcement and the Engineering divisions at the District. The owner/operator shall submit reports on a weekly basis until the monitoring indicates that no hydrocarbon leaks into the cooling water. [Regulation 1-441]

6. If the monitoring in part 1 or part 2 indicates a hydrocarbon leak for longer than 4 weeks, the owner/operator shall estimate the daily amount of VOC emitted using the following procedure. The owner/operator shall sample the water in the inlet line and in the return line and determine

VI. Permit Conditions

the VOC content in each line using EPA laboratory method 8015. This analysis shall be performed each week until VOC levels return to normal. The owner/operator shall report the VOC estimates to the Enforcement and the Engineering divisions at the District on a monthly basis. If a hydrocarbon leak occurs at Sources S452, S457, S458, or S500, the owner/operator shall use the VOC estimates to confirm that no more than 5 tons VOC per year was emitted at any source. If more than 5 tons VOC per year is emitted at S452, S457, S458, or S500, the facility shall submit an application for a District permit within 90 days of determining that the source is subject to District permits. [Regulations 1-441, 2-1-424, 2-6-416.2, 2-6-501, 2-6-503]

7. The owner/operator shall use the total dissolved solids monitoring to estimate annual emissions of particulate from the cooling towers. The estimated annual emissions shall be reported to the Engineering Divisions by June 30th of each year as part of the annual update. The owner/operator shall use this estimate to confirm that S452 has not emitted more than 5 tons particulate per year. [Regulations 2-1-319.1, 3]

8. The owner/operator shall maintain the following records for five years from the date of record:
   a. Records of daily visual inspection
   b. Records of chlorine content every shift (twice/day)
   c. Records of daily usage of sodium hypochlorite
   d. Records of monthly determination of total dissolved solids
   e. Records of any indications of hydrocarbon leaks
   f. Records of any analyses of VOC content in cooling tower inlet and outlet

   [Regulation 2-6-501]

VI. Permit Conditions

CONDITION 22122
For Source S456, Cooling Tower (Application 10349)

1. The owner/operator shall take a sample and perform a visual inspection of the cooling tower water on a daily basis to check for signs of hydrocarbon in the cooling water. [Regulation 2-6-503]

2. The owner/operator shall sample the cooling tower water at least once per month and subject the sample to a District approved laboratory analysis to determine its total dissolved solids content. [basis: Regulations 2-6-503, 3]

3. If the monitoring in part 1 indicates that there is a hydrocarbon leak into the cooling water, the owner/operator shall submit a report to the Enforcement and the Engineering divisions at the District. The owner/operator shall submit reports on a weekly basis until the monitoring indicates that no hydrocarbon leaks into the cooling water. [Regulation 1-441]

4. If the monitoring in part 1 indicates a hydrocarbon leak for longer than 4 weeks, the owner/operator shall estimate the daily amount of VOC emitted using the following procedure. The owner/operator shall sample the water in the inlet line and in the return line and determine the VOC content in each line using EPA laboratory method 8015. This analysis shall be performed each week until VOC levels return to normal. The owner/operator shall report the VOC estimates to the Enforcement and the Engineering divisions at the District on a monthly basis. If a hydrocarbon leak occurs, the owner/operator shall use the VOC estimates to confirm that no more than 5 tons VOC per year was emitted at the source. If more than 5 tons VOC per year is emitted at the source, the facility shall submit an application for a District permit within 90 days of determining that the source is subject to District permits. [Regulations 1-441, 2-1-424, 2-6-416.2, 2-6-501, 2-6-503]

5. The owner/operator shall use the total dissolved solids monitoring to estimate annual emissions of particulate from the cooling tower. The estimated annual emissions shall be reported to the Engineering Divisions by June 30th of each year as part of the annual update. The owner/operator shall use this estimate to confirm that the cooling tower has not emitted more than 5 tons particulate per year. [Regulation 2-6-501, 3]

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.

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

Table VII – 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 61.342(a)	Y		Exemption for facilities with less than 10 Mg/yr of benzene in waste	40 CFR 61.357 (c)	P/A	Records, report
HAP	40 CFR 63.647(a)	Y		wastewater standards of 40 CFR 61.340 to 61.355 are applicable	40 CFR 63.654(a)	P/A	report
VOC	BAAQMD 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 8-4-302.1 and SIP 8-4-302	N Y		5 ton/yr per solvent, surface coating source	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
VOC	BAAQMD 8-5-328.2	Y		Tank cleaning control device standard includes 90% abatement efficiency requirement	BAAQMD 8-5-502	P/A	source test
VOC	40 CFR 60.112b(a)(2) and 63.647(a)	Y		VOC concentrations shall not exceed 500 ppmv above background	40 CFR 63.642(e), 63.642(f) and 63.654(i)(4)	P/Q-visual and A measure-ments and reports	Visual inspections, portable HC detector (EPA Method 21) and records of detectable emissions, inspections and repairs
Opacity	BAAQMD 6-301	Y		Ringelmann No. 1 for no more than 3 minutes/hour	None	N	None
FP	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 6-311	Y		No emissions from source > rate specified in rule	None for gaseous fired sources	N	None
SO2	BAAQMD 9-1-301	Y		ground level SO2 concentrations (0.5 ppm for 3 min; 0.25 ppm for 60 min; 0.05 ppm for 24 hr)	at the request of the District, 9-1-501 requires compliance with BAAQMD 1-510	C	SO2 GLM

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 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	None	N	
SO2	SIP 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	None	N	
H2S	BAAQMD 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

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A.1
Applicable Limits and Compliance Monitoring Requirements
S2 – 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	N		Refinery-wide emissions: 0.033 lb NOx/ MMbtu	BAAQMD 9-10-502.1 BAAQMD Condition 21235, Part 7	P/A	source test
NOx	BAAQMD 9-10-303	Y		Federal emissions: Refinery-wide emissions: 0.20 lb NOx/MMbtu	None	N	None
Heat input	BAAQMD Condition 1694, Part A.1b	Y		528 MMbtu/day	BAAQMD Condition 1694, Part A.5	P/D	records
Heat input	BAAQMD Condition 1694, Part F.2	Y		346.5 MMbtu/hr averaged over any year at S2, S3, S4, S5, S7	BAAQMD Condition 1694, Part F.3	P/M	records
O2		N		No limit	BAAQMD 9-10-502.1 BAAQMD Condition 21235, Part 2	C	O2 Monitor
CO	BAAQMD 9-10-305	N		400 ppmv (dry, 3% O_2)	BAAQMD 9-10-502.1 BAAQMD Condition 21235, Part 7	P/A	source test
Opacity	BAAQMD 6-301	Y		Ringelmann 1 for no more than 3 minutes in any hour	None	N	None
FP	BAAQMD 6-305	Y		Prohibition of nuisance	None	N	None

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A.1
Applicable Limits and Compliance Monitoring Requirements
S2 – 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
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		1,612 lb/day SO2 over any month from non-cogeneration sources	BAAQMD Condition 1694, Part A.3a	P/3 times per day	TRS analysis
H2S	40 CFR 60.104(a)(1)	Y		fuel gas H2S concentration limited to 230 mg/dscm (0.10 gr/dscf)	40 CFR 60.105(a)(4)	C	H2S analyzer
Fuel Flow		Y		No limit	BAAQMD 9-10-502.2	C	Fuel Flowmeter

Table VII – A.2
Applicable Limits and Compliance Monitoring Requirements
S3 – 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	N		Refinery-wide emissions: 0.033 lb NOx/ MMbtu	BAAQMD 9-10-502.1 BAAQMD Condition 21235, Part 7	P/SA	source test
NOx	BAAQMD 9-10-303	Y		Federal emissions: Refinery-wide emissions: 0.20 lb NOx/MMbtu	None	N	None
Heat input	BAAQMD Condition 1694, Part A.1a	Y		1,488 MMbtu/day	BAAQMD Condition 1694, Part A.5	P/D	records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A.2
Applicable Limits and Compliance Monitoring Requirements
S3 – 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
Heat input	BAAQMD Condition 1694, Part F.2	Y		346.5 MMbtu/hr averaged over any year at S2, S3, S4, S5, S7	BAAQMD Condition 1694, Part F.3	P/M	records
O2		N		No limit	BAAQMD 9-10-502.1 BAAQMD Condition 21235, Part 2	C	O2 Monitor
CO	BAAQMD 9-10-305	N		400 ppmv (dry, 3% O_2)	BAAQMD 9-10-502.1 BAAQMD Condition 21235, Part 7	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
Opacity	BAAQMD 6-301	Y		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
Opacity	BAAQMD Condition 1694, Part A.2b	Y		No visible emissions	BAAQMD Condition 1694, Part A.2b	P/E	visual inspection
FP	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
S3 – 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
FP	BAAQMD 6-310.3	Y		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		1,612 lb/day SO2 over any month from non-cogeneration sources	BAAQMD Condition 1694, Part A.3a	P/3 times per day	TRS analysis
H2S	40 CFR 60.104(a)(1)	Y		fuel gas H2S concentration limited to 230 mg/dscm (0.10 gr/dscf)	40 CFR 60.105(a)(4)	C	H2S analyzer
Fuel Flow		Y		No limit	BAAQMD 9-10-502.2	C	Fuel Flowmeter

Table VII – A.3
Applicable Limits and Compliance Monitoring Requirements
S4 – 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	N		Refinery-wide emissions: 0.033 lb NOx/ MMbtu	BAAQMD 9-10-502.1 BAAQMD Condition 21235, Part 7	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.3
Applicable Limits and Compliance Monitoring Requirements
S4 – 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
Heat input	BAAQMD Condition 1694, Part A.1b	Y		2,304 MMbtu/day	BAAQMD Condition 1694, Part A.5	P/D	records
Heat input	BAAQMD Condition 1694, Part F.2	Y		346.5 MMbtu/hr averaged over any year at S2, S3, S4, S5, S7	BAAQMD Condition 1694, Part F.3	P/M	records
O2		N		No limit	BAAQMD 9-10-502.1 BAAQMD Condition 21235, Part 2	C	O2 Monitor
CO	BAAQMD 9-10-305	N		400 ppmv (dry, 3% O_2)	BAAQMD 9-10-502.1 BAAQMD Condition 21235, Part 7	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
FP	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		1,612 lb/day SO2 over any month from non-cogeneration sources	BAAQMD Condition 1694, Part A.3a	P/3 times per day	TRS analysis

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A.3
Applicable Limits and Compliance Monitoring Requirements
S4 – 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
H2S	40 CFR 60.104(a)(1)	Y		fuel gas H2S concentration limited to 230 mg/dscm (0.10 gr/dscf)	40 CFR 60.105(a)(4)	C	H2S analyzer
Fuel Flow		Y		No limit	BAAQMD 9-10-502.2	C	Fuel Flowmeter

Table VII – A.4
Applicable Limits and Compliance Monitoring Requirements
S5 – 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	N		Refinery-wide emissions: 0.033 lb NOx/ MMbtu	BAAQMD 9-10-502.1 BAAQMD Condition 21235, Part 7	P/SA	source test
NOx	BAAQMD 9-10-303	Y		Federal emissions: Refinery-wide emissions: 0.20 lb NOx/MMbtu	None	N	None
Heat input	BAAQMD Condition 1694, Part A.1b	Y		2,496 MMbtu/day	BAAQMD Condition 1694, Part A.5	P/D	records
Heat input	BAAQMD Condition 1694, Part F.2	Y		346.5 MMbtu/hr averaged over any year at S2, S3, S4, S5, S7	BAAQMD Condition 1694, Part F.3	P/M	records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A.4
Applicable Limits and Compliance Monitoring Requirements
S5 – 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
O2		N		No limit	BAAQMD 9-10-502.1 BAAQMD Condition 21235, Part 2	C	O2 Monitor
CO	BAAQMD 9-10-305	N		400 ppmv (dry, 3% O_2)	BAAQMD 9-10-502.1 BAAQMD Condition 21235, Part 7	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
FP	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		1,612 lb/day SO2 over any month from non-cogeneration sources	BAAQMD Condition 1694, Part A.3a	P/3 times per day	TRS analysis
H2S	40 CFR 60.104(a)(1)	Y		fuel gas H2S concentration limited to 230 mg/dscm (0.10 gr/dscf)	40 CFR 60.105(a)(4)	C	H2S analyzer
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
S7 – 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	N		Refinery-wide emissions: 0.033 lb NOx/ MMbtu	BAAQMD 9-10-502.1 BAAQMD Condition 21235, Part 7	P/SA	source test
NOx	BAAQMD 9-10-303	Y		Federal emissions: Refinery-wide emissions: 0.20 lb NOx/MMbtu	None	N	None
Heat input	BAAQMD Condition 1694, Part A.1a	Y		1,536 MMbtu/day	BAAQMD Condition 1694, Part A.5	P/D	records
Heat input	BAAQMD Condition 1694, Part F.2	Y		346.5 MMbtu/hr averaged over any year at S2, S3, S4, S5, S7	BAAQMD Condition 1694, Part F.3	P/M	records
O2		N		No limit	BAAQMD 9-10-502.1 BAAQMD Condition 21235, Part 2	C	O2 Monitor
CO	BAAQMD 9-10-305	N		400 ppmv (dry, 3% O_2)	BAAQMD 9-10-502.1 BAAQMD Condition 21235, Part 7	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

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A.5
Applicable Limits and Compliance Monitoring Requirements
S7 – 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
Opacity	BAAQMD 6-301	Y		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
Opacity	BAAQMD Condition 1694, Part A.2b	Y		No visible emissions	BAAQMD Condition 1694, Part A.2b	P/E	visual inspection
FP	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
FP	BAAQMD 6-310.3	Y		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		1,612 lb/day SO2 over any month from non-cogeneration sources	BAAQMD Condition 1694, Part A.3a	P/3 times per day	TRS analysis
H2S	40 CFR 60.104(a)(1)	Y		fuel gas H2S concentration limited to 230 mg/dscm (0.10 gr/dscf)	40 CFR 60.105(a)(4)	C	H2S analyzer
Fuel Flow		Y		No limit	BAAQMD 9-10-502.2	C	Fuel Flowmeter

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A.6
Applicable Limits and Compliance Monitoring Requirements
S8 – 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 1-520.1	C	CEM
NOx	BAAQMD 9-10-301	N		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
Heat input	BAAQMD Condition 1694, Part A.1b	Y		6,144 MMbtu/day	BAAQMD Condition 1694, Part A.5	P/D	records
Heat input	BAAQMD Condition 1694, Part F.1	Y		993.7 MMbtu/hr averaged over any year at S8, S9, S10, S11, S12, S13, S14	BAAQMD Condition 1694, Part F.3	P/M	records
O2		Y			BAAQMD 1-520.1	C	O2 Monitor
O2		N		No limit	BAAQMD 9-10-502.1 BAAQMD Condition 21235, Part 2	C	O2 Monitor
CO	BAAQMD 9-10-305	N		400 ppmv (dry, 3% O_2)	BAAQMD 9-10-502.1 BAAQMD Condition 21235, Part 8	P/SA	source test

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A.6
Applicable Limits and Compliance Monitoring Requirements
S8 – 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
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 MMbtu/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
FP	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		1,612 lb/day SO2 over any month from non-cogeneration sources	BAAQMD Condition 1694, Part A.3a	P/3 times per day	TRS analysis
H2S	40 CFR 60.104(a)(1)	Y		fuel gas H2S concentration limited to 230 mg/dscm (0.10 gr/dscf)	40 CFR 60.105(a)(4)	C	H2S analyzer
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
S9 – 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	N		Refinery-wide emissions: 0.033 lb NOx/ MMbtu	BAAQMD 9-10-502.1 BAAQMD Condition 21235, Part 7	P/SA	source test
NOx	BAAQMD 9-10-303	Y		Federal emissions: Refinery-wide emissions: 0.20 lb NOx/MMbtu	None	N	None
Heat input	BAAQMD Condition 1694, Part A.1b	Y		1,464 MMbtu/day	BAAQMD Condition 1694, Part A.5	P/D	records
Heat input	BAAQMD Condition 1694, Part F.1	Y		993.7 MMbtu/hr averaged over any year at S8, S9, S10, S11, S12, S13, S14	BAAQMD Condition 1694, Part F.3	P/M	records
O2		N		No limit	BAAQMD 9-10-502.1 BAAQMD Condition 21235, Part 2	C	O2 Monitor
CO	BAAQMD 9-10-305	N		400 ppmv (dry, 3% O_2)	BAAQMD 9-10-502.1 BAAQMD Condition 21235, Part 7	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.7
Applicable Limits and Compliance Monitoring Requirements
S9 – 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
FP	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		1,612 lb/day SO2 over any month from non-cogeneration sources	BAAQMD Condition 1694, Part A.3a	P/3 times per day	TRS analysis
H2S	40 CFR 60.104(a)(1)	Y		fuel gas H2S concentration limited to 230 mg/dscm (0.10 gr/dscf)	40 CFR 60.105(a)(4)	C	H2S analyzer
Fuel Flow		Y		No limit	BAAQMD 9-10-502.2	C	Fuel Flowmeter

Table VII – A.8
Applicable Limits and Compliance Monitoring Requirements
S10 – 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	BAAQMD 9-10-301	N		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
Heat input	BAAQMD Condition 1694, Part A.1b	Y		5,352 MMbtu/day	BAAQMD Condition 1694, Part A.5	P/D	records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A.8
Applicable Limits and Compliance Monitoring Requirements
S10 – 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
Heat input	BAAQMD Condition 1694, Part F.1	Y		993.7 MMbtu/hr averaged over any year at S8, S9, S10, S11, S12, S13, S14	BAAQMD Condition 1694, Part F.3	P/M	records
O2		N		No limit	BAAQMD 9-10-502.1 BAAQMD Condition 21235, Part 2	C	O2 Monitor
CO	BAAQMD 9-10-305	N		400 ppmv (dry, 3% O_2)	BAAQMD 9-10-502.1 BAAQMD Condition 21235, Part 8	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 MMbtu/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
FP	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

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A.8
Applicable Limits and Compliance Monitoring Requirements
S10 – 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
SO2	BAAQMD Condition 1694, Part A.4	Y		1,612 lb/day SO2 over any month from non-cogeneration sources	BAAQMD Condition 1694, Part A.3a	P/3 times per day	TRS analysis
H2S	40 CFR 60.104(a)(1)	Y		fuel gas H2S concentration limited to 230 mg/dscm (0.10 gr/dscf)	40 CFR 60.105(a)(4)	C	H2S analyzer
Fuel Flow		Y		No limit	BAAQMD 9-10-502.2	C	Fuel Flowmeter

Table VII – A.9
Applicable Limits and Compliance Monitoring Requirements
S11 – 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	N		Refinery-wide emissions: 0.033 lb NOx/ MMbtu	BAAQMD 9-10-502.1 BAAQMD Condition 21235, Part 7	P/SA	source test
NOx	BAAQMD 9-10-303	Y		Federal emissions: Refinery-wide emissions: 0.20 lb NOx/MMbtu	None	N	None
Heat input	BAAQMD Condition 1694, Part A.1b	Y		2,592 MMbtu/day	BAAQMD Condition 1694, Part A.5	P/D	records
Heat input	BAAQMD Condition 1694, Part F.1	Y		993.7 MMbtu/hr averaged over any year at S8, S9, S10, S11, S12, S13, S14	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
S11 – 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		N		No limit	BAAQMD 9-10-502.1 BAAQMD Condition 21235, Part 2	C	O2 Monitor
CO	BAAQMD 9-10-305	N		400 ppmv (dry, 3% O_2)	BAAQMD 9-10-502.1 BAAQMD Condition 21235, Part 7	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
FP	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		1,612 lb/day SO2 over any month from non-cogeneration sources	BAAQMD Condition 1694, Part A.3a	P/3 times per day	TRS analysis
H2S	40 CFR 60.104(a)(1)	Y		fuel gas H2S concentration limited to 230 mg/dscm (0.10 gr/dscf)	40 CFR 60.105(a)(4)	C	H2S analyzer
Fuel Flow		Y		No limit	BAAQMD 9-10-502.2	C	Fuel Flowmeter

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A.10
Applicable Limits and Compliance Monitoring Requirements
S12 – 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	N		Refinery-wide emissions: 0.033 lb NOx/ MMbtu	BAAQMD 9-10-502.1 BAAQMD Condition 21235, Part 7	P/SA	source test
NOx	BAAQMD 9-10-303	Y		Federal emissions: Refinery-wide emissions: 0.20 lb NOx/MMbtu	None	N	None
Heat input	BAAQMD Condition 1694, Part A.1b	Y		1,008 MMbtu/day	BAAQMD Condition 1694, Part A.5	P/D	records
Heat input	BAAQMD Condition 1694, Part F.1	Y		993.7 MMbtu/hr averaged over any year at S8, S9, S10, S11, S12, S13, S14	BAAQMD Condition 1694, Part F.3	P/M	records
O2		N		No limit	BAAQMD 9-10-502.1 BAAQMD Condition 21235, Part 2	C	O2 Monitor
CO	BAAQMD 9-10-305	N		400 ppmv (dry, 3% O_2)	BAAQMD 9-10-502.1 BAAQMD Condition 21235, Part 7	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.10
Applicable Limits and Compliance Monitoring Requirements
S12 – 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
FP	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		1,612 lb/day SO2 over any month from non-cogeneration sources	BAAQMD Condition 1694, Part A.3a	P/3 times per day	TRS analysis
H2S	40 CFR 60.104(a)(1)	Y		fuel gas H2S concentration limited to 230 mg/dscm (0.10 gr/dscf)	40 CFR 60.105(a)(4)	C	H2S analyzer
Fuel Flow		Y		No limit	BAAQMD 9-10-502.2	C	Fuel Flowmeter

Table VII – A.11
Applicable Limits and Compliance Monitoring Requirements
S13 – 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	BAAQMD 9-10-301	N		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
Heat input	BAAQMD Condition 1694, Part A.1b	Y		4,656 MMbtu/day	BAAQMD Condition 1694, Part A.5	P/D	records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A.11
Applicable Limits and Compliance Monitoring Requirements
S13 – 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
Heat input	BAAQMD Condition 1694, Part F.1	Y		993.7 MMbtu/hr averaged over any year at S8, S9, S10, S11, S12, S13, S14	BAAQMD Condition 1694, Part F.3	P/M	records
O2		N		No limit	BAAQMD 9-10-502.1 BAAQMD Condition 21235, Part 2	C	O2 Monitor
CO	BAAQMD 9-10-305	N		400 ppmv (dry, 3% O_2)	BAAQMD 9-10-502.1 BAAQMD Condition 21235, Part 8	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 MMbtu/hr (with tubes)	None for gaseous-fueled sources	N	None
FP	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

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A.11
Applicable Limits and Compliance Monitoring Requirements
S13 – 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
SO2	BAAQMD Condition 1694, Part A.4	Y		1,612 lb/day SO2 over any month from non-cogeneration sources	BAAQMD Condition 1694, Part A.3a	P/3 times per day	TRS analysis
H2S	40 CFR 60.104(a)(1)	Y		fuel gas H2S concentration limited to 230 mg/dscm (0.10 gr/dscf)	40 CFR 60.105(a)(4)	C	H2S analyzer
Fuel Flow		Y		No limit	BAAQMD 9-10-502.2	C	Fuel Flowmeter

Table VII – A.12
Applicable Limits and Compliance Monitoring Requirements
S14 – 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	BAAQMD 9-10-301	N		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
Heat input	BAAQMD Condition 1694, Part A.1b	Y		13,344 MMbtu/day	BAAQMD Condition 1694, Part A.5	P/D	records
Heat input	BAAQMD Condition 1694, Part F.1	Y		993.7 MMbtu/hr averaged over any year at S8, S9, S10, S11, S12, S13, S14	BAAQMD Condition 1694, Part F.3	P/M	records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A.12
Applicable Limits and Compliance Monitoring Requirements
S14 – 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
O2		N		No limit	BAAQMD 9-10-502.1 BAAQMD Condition 21235, Part 2	C	O2 Monitor
CO	BAAQMD 9-10-305	N		400 ppmv (dry, 3% O_2)	BAAQMD 9-10-502.1 BAAQMD Condition 21235, Part 8	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 MMbtu/hr (with tubes)	None for gaseous-fueled sources	N	None
FP	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		1,612 lb/day SO2 over any month from non-cogeneration sources	BAAQMD Condition 1694, Part A.3a	P/3 times per day	TRS analysis

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A.12
Applicable Limits and Compliance Monitoring Requirements
S14 – 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
H2S	40 CFR 60.104(a)(1)	Y		fuel gas H2S concentration limited to 230 mg/dscm (0.10 gr/dscf)	40 CFR 60.105(a)(4)	C	H2S analyzer
Fuel Flow		Y		No limit	BAAQMD 9-10-502.2	C	Fuel Flowmeter

Table VII – A.13
Applicable Limits and Compliance Monitoring Requirements
S15 – 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	N		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
Heat input	BAAQMD Condition 1694, Part A.1b	Y		5,754 MMbtu/day averaged over any day at S15, S16, S17, S18, S19	BAAQMD Condition 1694, Part A.5	P/D	records
O2		N		No limit	BAAQMD 9-10-502.1 BAAQMD Condition 21235, Part 2	C	O2 Monitor
CO	BAAQMD 9-10-305	N		400 ppmv (dry, 3% O_2)	BAAQMD 9-10-502.1 BAAQMD Condition 21235, Part 8	P/SA	source test

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A.13
Applicable Limits and Compliance Monitoring Requirements
S15 – 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
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 6-305	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		1,612 lb/day SO2 over any month from non-cogeneration sources	BAAQMD Condition 1694, Part A.3a	P/3 times per day	TRS analysis
H2S	40 CFR 60.104(a)(1)	Y		fuel gas H2S concentration limited to 230 mg/dscm (0.10 gr/dscf)	40 CFR 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		19.9 E 6 therm/yr (total) at S15, S16, S17, S18, S19	BAAQMD Condition 20989, Part A	P/M	records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A.14
Applicable Limits and Compliance Monitoring Requirements
S16 – 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	N		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
Heat input	BAAQMD Condition 1694, Part A.1b	Y		5,754 MMbtu/day averaged over any day at S15, S16, S17, S18, S19	BAAQMD Condition 1694, Part A.5	P/D	records
O2		N		No limit	BAAQMD 9-10-502.1 BAAQMD Condition 21235, Part 2	C	O2 Monitor
CO	BAAQMD 9-10-305	N		400 ppmv (dry, 3% O_2)	BAAQMD 9-10-502.1 BAAQMD Condition 21235, Part 8	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
FP	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

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A.14
Applicable Limits and Compliance Monitoring Requirements
S16 – 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
SO2	BAAQMD Condition 1694, Part A.4	Y		1,612 lb/day SO2 over any month from non-cogeneration sources	BAAQMD Condition 1694, Part A.3a	P/3 times per day	TRS analysis
H2S	40 CFR 60.104(a)(1)	Y		fuel gas H2S concentration limited to 230 mg/dscm (0.10 gr/dscf)	40 CFR 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		19.9 E 6 therm/yr (total) at S15, S16, S17, S18, S19	BAAQMD Condition 20989, Part A	P/M	records

Table VII – A.15
Applicable Limits and Compliance Monitoring Requirements
S17 – 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	N		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
Heat input	BAAQMD Condition 1694, Part A.1b	Y		5,754 MMbtu/day averaged over any day at S15, S16, S17, S18, S19	BAAQMD Condition 1694, Part A.5	P/D	records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A.15
Applicable Limits and Compliance Monitoring Requirements
S17 – 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
O2		N		No limit	BAAQMD 9-10-502.1 BAAQMD Condition 21235, Part 2	C	O2 Monitor
CO	BAAQMD 9-10-305	N		400 ppmv (dry, 3% O_2)	BAAQMD 9-10-502.1 BAAQMD Condition 21235, Part 8	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
FP	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		1,612 lb/day SO2 over any month from non-cogeneration sources	BAAQMD Condition 1694, Part A.3a	P/3 times per day	TRS analysis
H2S	40 CFR 60.104(a)(1)	Y		fuel gas H2S concentration limited to 230 mg/dscm (0.10 gr/dscf)	40 CFR 60.105(a)(4)	C	H2S analyzer
Fuel Flow		Y		No limit	BAAQMD 9-10-502.2	C	Fuel Flowmeter

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A.15
Applicable Limits and Compliance Monitoring Requirements
S17 – 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
throughput	BAAQMD Condition 20989, Part A	Y		19.9 E 6 therm/yr (total) at S15, S16, S17, S18, S19	BAAQMD Condition 20989, Part A	P/M	records

Table VII – A.16
Applicable Limits and Compliance Monitoring Requirements
S18 – 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	N		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
Heat input	BAAQMD Condition 1694, Part A.1b	Y		5,754 MMbtu/day averaged over any day at S15, S16, S17, S18, S19	BAAQMD Condition 1694, Part A.5	P/D	records
O2		N		No limit	BAAQMD 9-10-502.1 BAAQMD Condition 21235, Part 2	C	O2 Monitor
CO	BAAQMD 9-10-305	N		400 ppmv (dry, 3% O_2)	BAAQMD 9-10-502.1 BAAQMD Condition 21235, Part 8	P/SA	source test

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A.16
Applicable Limits and Compliance Monitoring Requirements
S18 – 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
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 6-305	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		1,612 lb/day SO2 over any month from non-cogeneration sources	BAAQMD Condition 1694, Part A.3a	P/3 times per day	TRS analysis
H2S	40 CFR 60.104(a)(1)	Y		fuel gas H2S concentration limited to 230 mg/dscm (0.10 gr/dscf)	40 CFR 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		19.9 E 6 therm/yr (total) at S15, S16, S17, S18, S19	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
S19 – 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	N		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
Heat input	BAAQMD Condition 1694, Part A.1b	Y		5,754 MMbtu/day averaged over any day at S15, S16, S17, S18, S19	BAAQMD Condition 1694, Part A.5	P/D	records
O2		N		No limit	BAAQMD 9-10-502.1 BAAQMD Condition 21235, Part 2	C	O2 Monitor
CO	BAAQMD 9-10-305	N		400 ppmv (dry, 3% O_2)	BAAQMD 9-10-502.1 BAAQMD Condition 21235, Part 8	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
FP	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

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A.17
Applicable Limits and Compliance Monitoring Requirements
S19 – 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
SO2	BAAQMD Condition 1694, Part A.4	Y		1,612 lb/day SO2 over any month from non-cogeneration sources	BAAQMD Condition 1694, Part A.3a	P/3 times per day	TRS analysis
H2S	40 CFR 60.104(a)(1)	Y		fuel gas H2S concentration limited to 230 mg/dscm (0.10 gr/dscf)	40 CFR 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		19.9 E 6 therm/yr (total) at S15, S16, S17, S18, S19	BAAQMD Condition 20989, Part A	P/M	records

Table VII – A.18
Applicable Limits and Compliance Monitoring Requirements
S20 – 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	N		Refinery-wide emissions: 0.033 lb NOx/ MMbtu	BAAQMD 9-10-502.1 BAAQMD Condition 21235, Part 7	P/A	source test
NOx	BAAQMD 9-10-303	Y		Federal emissions: Refinery-wide emissions: 0.20 lb NOx/MMbtu	None	N	None
Heat input	BAAQMD Condition 1694, Part A.1b	Y		552 MMbtu/day	BAAQMD Condition 1694, Part A.5	P/D	records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A.18
Applicable Limits and Compliance Monitoring Requirements
S20 – 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
O2		N		No limit	BAAQMD 9-10-502.1 BAAQMD Condition 21235, Part 2	C	O2 Monitor
CO	BAAQMD 9-10-305	N		400 ppmv (dry, 3% O_2)	BAAQMD 9-10-502.1 BAAQMD Condition 21235, Part 7	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
FP	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		1,612 lb/day SO2 over any month from non-cogeneration sources	BAAQMD Condition 1694, Part A.3a	P/3 times per day	TRS analysis
H2S	40 CFR 60.104(a)(1)	Y		fuel gas H2S concentration limited to 230 mg/dscm (0.10 gr/dscf)	40 CFR 60.105(a)(4)	C	H2S analyzer
Fuel Flow		Y		No limit	BAAQMD 9-10-502.2	C	Fuel Flowmeter

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A.18
Applicable Limits and Compliance Monitoring Requirements
S20 – 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
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
S21 – 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
Heat input	BAAQMD Condition 1694, Part A.1a	Y		194.4 MMbtu/day	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
FP	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		1,612 lb/day SO2 over any month from non-cogeneration sources	BAAQMD Condition 1694, Part A.3a	P/3 times per day	TRS analysis

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A.19
Applicable Limits and Compliance Monitoring Requirements
S21 – 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
H2S	40 CFR 60.104(a)(1)	Y		fuel gas H2S concentration limited to 230 mg/dscm (0.10 gr/dscf)	40 CFR 60.105(a)(4)	C	H2S analyzer
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
S22 – 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	N		Refinery-wide emissions: 0.033 lb NOx/ MMbtu	BAAQMD 9-10-502.1 BAAQMD Condition 21235, Part 7	P/SA	source test
NOx	BAAQMD 9-10-303	Y		Federal emissions: Refinery-wide emissions: 0.20 lb NOx/MMbtu	None	N	None
Heat input	BAAQMD Condition 1694, Part A.1b	Y		744 MMbtu/day	BAAQMD Condition 1694, Part A.5	P/D	records
O2		N		No limit	BAAQMD 9-10-502.1 BAAQMD Condition 21235, Part 2	C	O2 Monitor

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A.20
Applicable Limits and Compliance Monitoring Requirements
S22 – 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
CO	BAAQMD 9-10-305	N		400 ppmv (dry, 3% O_2)	BAAQMD 9-10-502.1 BAAQMD Condition 21235, Part 7	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
FP	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		1,612 lb/day SO2 over any month from non-cogeneration sources	BAAQMD Condition 1694, Part A.3a	P/3 times per day	TRS analysis
H2S	40 CFR 60.104(a)(1)	Y		fuel gas H2S concentration limited to 230 mg/dscm (0.10 gr/dscf)	40 CFR 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		2.6 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
S29 – 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	N		Refinery-wide emissions: 0.033 lb NOx/ MMbtu	BAAQMD 9-10-502.1 BAAQMD Condition 21235, Part 7	P/SA	source test
NOx	BAAQMD 9-10-303	Y		Federal emissions: Refinery-wide emissions: 0.20 lb NOx/MMbtu	None	N	None
Heat input	BAAQMD Condition 1694, Part A.1b	Y		2,472 MMbtu/hr	BAAQMD Condition 1694, Part A.5	P/D	records
O2		N		No limit	BAAQMD 9-10-502.1 BAAQMD Condition 21235, Part 7	C	O2 Monitor
CO	BAAQMD 9-10-305	N		400 ppmv (dry, 3% O_2)	BAAQMD 9-10-502.1 BAAQMD Condition 21235, Part 7	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
FP	BAAQMD 6-305	Y		Prohibition of nuisance	None	N	None

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A.21
Applicable Limits and Compliance Monitoring Requirements
S29 – 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
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		1,612 lb/day SO2 over any month from non-cogeneration sources	BAAQMD Condition 1694, Part A.3a	P/3 times per day	TRS analysis
H2S	40 CFR 60.104(a)(1)	Y		fuel gas H2S concentration limited to 230 mg/dscm (0.10 gr/dscf)	40 CFR 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		8.6 E 6 therm/yr	BAAQMD Condition 20989, Part A	P/M	records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A.22
Applicable Limits and Compliance Monitoring Requirements
S30 – 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	N		Refinery-wide emissions: 0.033 lb NOx/ MMbtu	BAAQMD 9-10-502.1 BAAQMD Condition 21235, Part 7	P/SA	source test
NOx	BAAQMD 9-10-303	Y		Federal emissions: Refinery-wide emissions: 0.20 lb NOx/MMbtu	None	N	None
Heat input	BAAQMD Condition 1694, Part A.1b	Y		1,200 MMbtu/hr	BAAQMD Condition 1694, Part A.5	P/D	records
O2		N		No limit	BAAQMD 9-10-502.1 BAAQMD Condition 21235, Part 7	C	O2 Monitor
CO	BAAQMD 9-10-305	N		400 ppmv (dry, 3% O_2)	BAAQMD 9-10-502.1 BAAQMD Condition 21235, Part 7	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
FP	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
S30 – 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		1,612 lb/day SO2 over any month from non-cogeneration sources	BAAQMD Condition 1694, Part A.3a	P/3 times per day	TRS analysis
H2S	40 CFR 60.104(a)(1)	Y		fuel gas H2S concentration limited to 230 mg/dscm (0.10 gr/dscf)	40 CFR 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		4.2 E 6 therm/yr	BAAQMD Condition 20989, Part A	P/M	records

Table VII – A.23
Applicable Limits and Compliance Monitoring Requirements
S31 – 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	N		Refinery-wide emissions: 0.033 lb NOx/ MMbtu	BAAQMD 9-10-502.1 BAAQMD Condition 21235, Part 7	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.23
Applicable Limits and Compliance Monitoring Requirements
S31 – 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
Heat input	BAAQMD Condition 1694, Part A.1b	Y		480 MMbtu/day	BAAQMD Condition 1694, Part A.5	P/D	records
O2		N		No limit	BAAQMD 9-10-502.1 BAAQMD Condition 21235, Part 2	C	O2 Monitor
CO	BAAQMD 9-10-305	N		400 ppmv (dry, 3% O_2)	BAAQMD 9-10-502.1 BAAQMD Condition 21235, Part 7	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
FP	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		1,612 lb/day SO2 over any month from non-cogeneration sources	BAAQMD Condition 1694, Part A.3a	P/3 times per day	TRS analysis
H2S	40 CFR 60.104(a)(1)	Y		fuel gas H2S concentration limited to 230 mg/dscm (0.10 gr/dscf)	40 CFR 60.105(a)(4)	C	H2S analyzer

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A.23
Applicable Limits and Compliance Monitoring Requirements
S31 – 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
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
S36 – UNIT 200, 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		Y		CEM for NOx and O2 (or CO2)	BAAQMD 1-520.8	C	CEM
NOx	BAAQMD Condition 21097, Part 3b	Y		10 ppmv NOx at 3% O2 (3 hour average), except startups and shutdowns	BAAQMD Condition 21097, Part 5a	C	CEM
Heat input	BAAQMD Condition 21097, Part 2	Y		82.1 MMbtu/hr; 719,200 MMbtu/12-month period	BAAQMD Condition 21097, Part 4	C	continuous fuel flow monitor
O2		Y		No limit	BAAQMD Condition 21097, Part 5a	C	O2 Monitor
CO	BAAQMD Condition 21097, Part 3b	Y		28 ppmv CO at 3% O2 (8 hour average), except startups and shutdowns	BAAQMD Condition 21097, Part 5b	P/SA	source test

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A.24
Applicable Limits and Compliance Monitoring Requirements
S36 – UNIT 200, 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
POC	BAAQMD Condition 21097, Part 3b	Y		5.5 lb POC per MM ft3 of fuel		N	None
PM10	BAAQMD Condition 21097, Part 3b	Y		7.6 lb PM10 per MM ft3 of fuel		N	None
ammonia	BAAQMD Condition 21097, Part 3b	N		10 ppmv ammonia at 3% O2 (8 hour average), except startups and shutdowns		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 6-305	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		1,612 lb/day SO2 over any month from non-cogeneration sources	BAAQMD Condition 1694, Part A.3a	P/3 times per day	GC or total sulfur analysis
TRS	BAAQMD Condition 21097, Part 6	Y		100 ppmv TRS (1 day average), 45 ppmv TRS (annual average)	BAAQMD Condition 21097, Part 7a, 7b	C	GC or total sulfur analysis

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A.24
Applicable Limits and Compliance Monitoring Requirements
S36 – UNIT 200, 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
H2S	40 CFR 60.104(a)(1)	Y		fuel gas H2S concentration limited to 230 mg/dscm (0.10 gr/dscf)	Condition 21097, part 7c	P/3 times per day	H2S analysis
Duration of startup	BAAQMD Condition 21096, Part 3b	Y		24 consecutive hours	Condition 21097, part 10	P/E	Records
Duration of shutdown	BAAQMD Condition 21096, Part 3b	Y		24 consecutive hours	Condition 21097, part 10	P/E	Records
Duration of heater dryout/ warmup periods	BAAQMD Condition 21096, Part 3b	Y		72 consecutive hours	Condition 21097, part 10	P/E	records

Table VII – A.25
Applicable Limits and Compliance Monitoring Requirements
S43 – 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	N		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.25
Applicable Limits and Compliance Monitoring Requirements
S43 – 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 Condition 1694, Part D.2	Y		40 ppmv NOx at 3% O2 over any 8 hours, except startups and shutdowns, at S43, S44	BAAQMD Condition 1694, Part D.4	C	NOx, O2 CEM
Heat input	BAAQMD Condition 1694, Part A.1b	Y		5,520 MMbtu/day	BAAQMD Condition 1694, Part A.5	P/D	records
O2		N		No limit	BAAQMD 9-10-502.1 BAAQMD Condition 21235, Part 2	C	O2 Monitor
O2		Y		No limit	BAAQMD Condition 1694, Part D.4	C	O2 Monitor
CO	BAAQMD 9-10-305	N		400 ppmv (dry, 3% O_2)	BAAQMD 9-10-502.1 BAAQMD Condition 21235, Part 8	P/SA	source test
CO	BAAQMD Condition 1694, Part D.3	N		50 ppmv CO at 3% O2 over any month, except startups and shutdowns, at S43, S44	BAAQMD 9-10-502.1 BAAQMD Condition 21235, Part 8	P/SA	source test

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A.25
Applicable Limits and Compliance Monitoring Requirements
S43 – 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 6-304	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 MMbtu/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
FP	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		1,612 lb/day SO2 over any month from non-cogeneration sources	BAAQMD Condition 1694, Part A.3a	P/3 times per day	TRS analysis
H2S	40 CFR 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 60.105(a)(4)	C	H2S analyzer
Fuel Flow		Y		No limit	BAAQMD 9-10-502.2	C	Fuel Flowmeter

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A.25
Applicable Limits and Compliance Monitoring Requirements
S43 – 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
throughput	BAAQMD Condition 20989, Part A	Y		19.1 E 6 therm/yr	BAAQMD Condition 20989, Part A	P/M	records

Table VII – A.26
Applicable Limits and Compliance Monitoring Requirements
S44 – 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	N		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 S43, S44	BAAQMD Condition 1694, Part D.4	C	CEM
Heat input	BAAQMD Condition 1694, Part A.1b	Y		1,104 MMbtu/day	BAAQMD Condition 1694, Part A.5	P/D	records
O2		N		No limit	BAAQMD 9-10-502.1 BAAQMD Condition 21235, Part 2	C	O2 Monitor

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A.26
Applicable Limits and Compliance Monitoring Requirements
S44 – 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
O2		Y		No limit	BAAQMD Condition 1694, Part D.4	C	O2 Monitor
CO	BAAQMD 9-10-305	N		400 ppmv (dry, 3% O_2)	BAAQMD 9-10-502.1 BAAQMD Condition 21235, Part 8	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 S43, S44	BAAQMD 9-10-502.1 BAAQMD Condition 21235, Part 8	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
FP	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		1,612 lb/day SO2 over any month from non-cogeneration sources	BAAQMD Condition 1694, Part A.3a	P/3 times per day	TRS analysis

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A.26
Applicable Limits and Compliance Monitoring Requirements
S44 – 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
H2S	40 CFR 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 60.105(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

Table VII – A.27
Applicable Limits and Compliance Monitoring Requirements
S50, S51, S52 – 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
FP	BAAQMD 6-305	Y		Prohibition of nuisance	None	N	None
FP	BAAQMD 6-310	Y		0.15 gr/dscf	None	N	N/A

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A.27
Applicable Limits and Compliance Monitoring Requirements
S50, S51, S52 – 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
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.28
Applicable Limits and Compliance Monitoring Requirements
S53, S54, S55, S56, S57, S58, S59 – 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
FP	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	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

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A.28
Applicable Limits and Compliance Monitoring Requirements
S53, S54, S55, S56, S57, S58, S59 – 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
SO2	BAAQMD 9-1-304	Y		Fuel Sulfur Limit 0.5% by weight	None	P/E	fuel certification

Table VII – A.29
Applicable Limits and Compliance Monitoring Requirements
S336 – 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	N		Refinery-wide emissions: 0.033 lb NOx/ MMbtu	BAAQMD 9-10-502.1 BAAQMD Condition 21235, Part 7	P/SA	source test
NOx	BAAQMD 9-10-303	Y		Federal emissions: Refinery-wide emissions: 0.20 lb NOx/MMbtu	None	N	None
Heat input	BAAQMD Condition 1694, Part A.1a	Y		2,664 MMbtu/day	BAAQMD Condition 1694, Part A.5	P/D	records
O2		N		No limit	BAAQMD 9-10-502.1 BAAQMD Condition 21235, Part 2	C	O2 Monitor

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A.29
Applicable Limits and Compliance Monitoring Requirements
S336 – 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
CO	BAAQMD 9-10-305	N		400 ppmv (dry, 3% O_2)	BAAQMD 9-10-502.1 BAAQMD Condition 21235, Part 7	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
FP	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		1,612 lb/day SO2 over any month from non-cogeneration sources	BAAQMD Condition 1694, Part A.3a	P/3 times per day	TRS analysis
H2S	40 CFR 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 60.105(a)(4)	C	H2S analyzer
Fuel Flow		Y		No limit	BAAQMD 9-10-502.2	C	Fuel Flowmeter

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A.29
Applicable Limits and Compliance Monitoring Requirements
S336 – 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
throughput	BAAQMD Condition 20989, Part A	Y		9.2 E 6 therm/yr	BAAQMD Condition 20989, Part A	P/M	records

Table VII – A.30
Applicable Limits and Compliance Monitoring Requirements
S337 – 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	N		Refinery-wide emissions: 0.033 lb NOx/ MMbtu	BAAQMD 9-10-502.1 BAAQMD Condition 21235, Part 7	P/SA	source test
NOx	BAAQMD 9-10-303	Y		Federal emissions: Refinery-wide emissions: 0.20 lb NOx/MMbtu	None	N	None
Heat input	BAAQMD Condition 1694, Part A.1a	Y		816 MMbtu/day	BAAQMD Condition 1694, Part A.5	P/D	records
O2		N		No limit	BAAQMD 9-10-502.1 BAAQMD Condition 21235, Part 2	C	O2 Monitor

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A.30
Applicable Limits and Compliance Monitoring Requirements
S337 – 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
CO	BAAQMD 9-10-305	N		400 ppmv (dry, 3% O_2)	BAAQMD 9-10-502.1 BAAQMD Condition 21235, Part 7	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
FP	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		1,612 lb/day SO2 over any month from non-cogeneration sources	BAAQMD Condition 1694, Part A.3a	P/3 times per day	TRS analysis
H2S	40 CFR 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 60.105(a)(4)	C	H2S analyzer
Fuel Flow		Y		No limit	BAAQMD 9-10-502.2	C	Fuel Flowmeter

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A.30
Applicable Limits and Compliance Monitoring Requirements
S337 – 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
throughput	BAAQMD Condition 20989, Part A	Y		2.8 E 6 therm/yr	BAAQMD Condition 20989, Part A	P/M	records

Table VII – A.31
Applicable Limits and Compliance Monitoring Requirements
S351 – 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	N		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 B.2	Y		20 ppmv NOx at 3% O2 over any 3 hours, except startups and shutdowns, at S351	BAAQMD Condition 1694, Part B.3	C	NOx, O2 CEM
Heat input	BAAQMD Condition 1694, Part A.1b	Y		2,424 MMbtu/day	BAAQMD Condition 1694, Part A.5	P/D	records
O2		N		No limit	BAAQMD 9-10-502.1 BAAQMD Condition 21235, Part 2	C	O2 Monitor

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A.31
Applicable Limits and Compliance Monitoring Requirements
S351 – 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
O2		Y		No limit	BAAQMD Condition 1694, Part B.3	C	O2 Monitor
CO	BAAQMD 9-10-305	N		400 ppmv (dry, 3% O_2)	BAAQMD 9-10-502.1 BAAQMD Condition 21235, Part 8	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
FP	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		1,612 lb/day SO2 over any month from non-cogeneration sources	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
S351 – 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 60.104(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 60.105(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

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A.32
Applicable Limits and Compliance Monitoring Requirements
S371 – 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 9-10-301	N		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 C.2	Y		20 ppmv NOx at 3% O2 over any 3 hours, except startups and shutdowns	None	C	CEM
Heat input	BAAQMD Condition 1694, Part A.1b	Y		1,392 MMbtu/day averaged over any day at S371 and S372	BAAQMD Condition 1694, Part A.5	P/D	records
O2		N		No limit	BAAQMD 9-10-502.1 BAAQMD Condition 21235, Part 2	C	O2 Monitor
CO	BAAQMD 9-10-305	N		400 ppmv (dry, 3% O_2)	BAAQMD 9-10-502.1 BAAQMD Condition 21235, Part 8	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 BAAQMD Condition 21235, Part 8	P/SA	source test

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A.32
Applicable Limits and Compliance Monitoring Requirements
S371 – 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
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 6-305	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		1,612 lb/day SO2 over any month from non-cogeneration sources	BAAQMD Condition 1694, Part A.3a	P/3 times per day	TRS analysis
H2S	40 CFR 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 60.105(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 S371 and S372 combined	BAAQMD Condition 20989, Part A	P/M	records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A.33
Applicable Limits and Compliance Monitoring Requirements
S372 – 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 9-10-301	N		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 C.2	Y		20 ppmv NOx at 3% O2 over any 3 hours, except startups and shutdowns	None	C	NOx, O2 CEM
Heat input	BAAQMD Condition 1694, Part A.1b	Y		1,392 MMbtu/day averaged over any day at S371 and S372	BAAQMD Condition 1694, Part A.5	P/D	records
O2		N		No limit	BAAQMD 9-10-502.1 BAAQMD Condition 21235, Part 2	C	O2 Monitor
CO	BAAQMD 9-10-305	N		400 ppmv (dry, 3% O_2)	BAAQMD 9-10-502.1 BAAQMD Condition 21235, Part 8	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 BAAQMD Condition 21235, Part 8	P/SA	source test

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A.33
Applicable Limits and Compliance Monitoring Requirements
S372 – 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
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 6-305	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		1,612 lb/day SO2 over any month from non-cogeneration sources	BAAQMD Condition 1694, Part A.3a	P/3 times per day	TRS analysis
H2S	40 CFR 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 60.105(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 S371 and S372 combined	BAAQMD Condition 20989, Part A	P/M	records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A.34
Applicable Limits and Compliance Monitoring Requirements
S438 – 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	BAAQMD Condition 1694, Part E.4	Y		7 ppmv NOx at 3% O2 over any 1 hours, except startups and shutdowns	None	C	CEM
Heat input	BAAQMD Condition 1694, Part A.1c	Y		250 MMbtu/hr, 6,000 MMbtu/day	BAAQMD Condition 1694, Part A.5	P/D	records
Heat input	BAAQMD Condition 1694, Part E.2	Y		2.19 E 12 btu/yr fuel combustion	BAAQMD Condition 1694, Part E.6	P/D	records
O2		Y		No limit	None	C	O2 Monitor
CO	BAAQMD Condition 1694, Part E.4	Y		32 ppmv CO at 3% O2 over any 24 hr, except startups and shutdowns	None	N	None
TRS	BAAQMD Condition 1694, Part E.3	Y		1 ppmw TRS in PSA offgas used as fuel	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	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 MMbtu/hr (with tubes)	None for gaseous-fueled sources	N	None

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A.34
Applicable Limits and Compliance Monitoring Requirements
S438 – 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
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 6-305	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		1,612 lb/day SO2 over any month from non-cogeneration sources	BAAQMD Condition 1694, Part A.3a	P/3 times per day	TRS analysis
H2S	40 CFR 60.104(a)(1)	Y		fuel gas H2S concentration limited to 230 mg/dscm (0.10 gr/dscf)	40 CFR 60.105(a)(4)	C	H2S analyzer

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A.35
Applicable Limits and Compliance Monitoring Requirements
S461 – UNIT 250, B-701 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 Condition 21096, Part 3b	Y		10 ppmv NOx at 3% O2 (3 hour average), except startups and shutdowns	BAAQMD Condition 21096, Part 5a	C	CEM
Heat input	BAAQMD Condition 21096, Part 2	Y		52 MMbtu/hr; 439,800 MMbtu/12-month period	BAAQMD Condition 21096, Part 4	C	continuous fuel flow monitor
O2		Y		No limit	BAAQMD Condition 21096, Part 5a	C	O2 Monitor
CO	BAAQMD Condition 21096, Part 3b	Y		28 ppmv CO at 3% O2 (8 hour average) when fired 50% capacity or more and 50 ppmv CO at 3% O2 (8 hour average) when fired less than 50% capacity, except startups and shutdowns	BAAQMD Condition 21096, Part 5b	P/SA	source test
POC	BAAQMD Condition 21096, Part 3b	Y		5.5 lb POC per MM ft3 of fuel		N	None
PM10	BAAQMD Condition 21096, Part 3b	Y		7.6 lb PM10 per MM ft3 of fuel		N	None

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A.35
Applicable Limits and Compliance Monitoring Requirements
S461 – UNIT 250, B-701 HEATER

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
ammonia	BAAQMD Condition 21096, Part 3b	N		10 ppmv ammonia at 3% O2 (8 hour average), except startups and shutdowns		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 6-305	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		1,612 lb/day SO2 over any month from non-cogeneration sources	BAAQMD Condition 1694, Part A.3a	P/3 times per day	GC or total sulfur analysis
TRS	BAAQMD Condition 21096, Part 6	Y		100 ppmv TRS (1 day average), 45 ppmv TRS (annual average)	BAAQMD Condition 21096, Part 7a, 7b	C	GC or total sulfur analysis
H2S	40 CFR 60.104(a) (1)	Y		fuel gas H2S concentration limited to 230 mg/dscm (0.10 gr/dscf)	Condition 21096, part 7c	P/3 times per day	H2S analysis
Duration of startup	BAAQMD Condition 21096, Part 3b	Y		24 consecutive hours	Condition 21097, part 10	P/E	records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A.35
Applicable Limits and Compliance Monitoring Requirements
S461 – UNIT 250, B-701 HEATER

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Duration of shutdown	BAAQMD Condition 21096, Part 3b	Y		24 consecutive hours	Condition 21097, part 10	P/E	records
Duration of heater dryout/ warmup periods	BAAQMD Condition 21096, Part 3b	Y		72 consecutive hours	Condition 21097, part 10	P/E	records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – B
Applicable Limits and Compliance Monitoring Requirements
S400 WET WEATHER WASTEWATER SUMP
S401 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	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	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 S400, S401	BAAQMD Condition 20989, Part A	P/M	records

Table VII - C
Applicable Limits and Compliance Monitoring Requirements
S324 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
VOC	BAAQMD 8-8-306.1	Y		No cracks or gaps in roof seals, access 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

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - C
Applicable Limits and Compliance Monitoring Requirements
S324 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	40 CFR 60.692-3(a)	Y		Fixed roof access doors or openings shall be gasketed, latched, and kept closed	40 CFR 60.692-3(a)(4)	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
S1007 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
S381 AERATION TANK F-201; S382 AERATION TANK F-202; S383 CLARIFIER F-203; S384 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 S381, S382, S383, S384	BAAQMD Condition 20989, Part A	P/M	records

Table VII - F
Applicable Limits and Compliance Monitoring Requirements
S1008 PRIMARY STORMWATER BASIN
S1009 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
VOC				None	BAAQMD 8-8-501	P/E	Records of bypassed wastewater, organic compound concen-tration
	BAAQMD Condition 1440, Part 2			Minimize diversions	BAAQMD Condition 1440, Part 3	P/E	records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – G
Applicable Limits and Compliance Monitoring Requirements
S385 – WASTEWATER EFFLUENT MEDIA FILTER F271-F278
S386 – PAC REGENERATION SLUDGE THICKENER F-211
S387 – WET AIR REGENERATION SYSTEM P-202
S390 – THICKENED SLUDGE STORAGE F-106
S392 – 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		S385: 3.68 E 9 gal/yr S386: 3.2 E 7 gal/yr, S387: 13.14 E 6 gal/yr S390: 7.884 E 6 gal/yr S392: 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	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	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	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	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 8-7-301.6 and 8-7-302.5	Y		Vapor recovery equipment shall be leak-free and vapor tight	BAAQMD 8-7-301.13	A	Vapor tightness test
VOC	BAAQMD 8-7-301.10	N		98% or highest vapor recovery rate specified by CARB	None	N	None
VOC	None			None	BAAQMD 8-7-302.14	A	Backpressure test
VOC	BAAQMD 8-7-313.1	N		Fugitives $\leq$ 0.42 lb/1000 gallon	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	BAAQMD 8-7-313.2	N		Spillage $\leq$ 0.42 lb/1000 gallon	None	N	None
VOC	BAAQMD 8-7-313.3	N		Liquid Retain + Spitting $\leq$ 0.42 lb/1000 gallon	None	N	None
VOC	SIP 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
Through-put	BAAQMD Condition 7523	N		400,000 gal/yr	BAAQMD 8-7-503 BAAQMD Condition 20989, Part A	P/A P/M	Records Records
Through-put	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
S296 – C-1 FLARE
S398 – 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 6-301	Y	12/1/04	Ringelmann No. 1 for no more than 3 minutes/hr	BAAQMD Condition 18255, Part 4	P/E	Visual Inspection
FP	BAAQMD 6-305	Y		Prohibition of nuisance	None	N	None
FP	BAAQMD 6-310	Y	12/1/04	No emissions from source > 0.15 grains per dscf of gas volume	BAAQMD Condition 18255, Part 4	P/E	Visual Inspection
SO2	60.104(a) (1)	Y		Flares are exempt since they are used only for upset gases	None	N	None
All		N			BAAQMD 12-11-501 & 12-11-505	P/C	Flow Rate
All		N			BAAQMD 12-11-502.1 & 12-11-505	P/E	Composition
All		N			BAAQMD 12-11-502.3 & 12-11-505	P/E	Composition
All		N			BAAQMD 12-11-503 & 12-11-505	P/C	Flame Detector
All		N			BAAQMD 12-11-504 & 12-11-505	P/C	Purge Gas Flow Rate
All		N			BAAQMD 12-11-507	P/C	1 frame per minute image video recording
All		N			BAAQMD 12-11-507	P/C	1 frame per minute image video recording

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – M
Applicable Limits and Compliance Monitoring Requirements
S300 – 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 (SIP) and 8-10-501 & 502 (non-SIP)	P/E	Records
Through-put	BAAQMD Condition 21092, Part 1	Y		81,000 bbl/day	BAAQMD Condition 21092, Part 2	P/D	records

Table VII – N
Applicable Limits and Compliance Monitoring Requirements
S304 –U-229 LIGHT NAPHTHA HYDROTREATER;
S305 – U-230 PREFRACTIONATOR / NAPHTHA HYDROTREATER;
S306 – U-231 PLATFORMING UNIT; S307 – U-240 UNICRACKING UNIT;
S308 – U-244 REFORMING UNIT; S309 – U-248 UNISAR UNIT;
S318 – U-76 GASOLINE / MID-BARREL BLENDING UNIT;
S319 – U-215 GASOLINE FRACTIONATING UNIT;
S322 – U-40 RAW MATERIALS RECEIVING; S435 – REFORMATE SPLITTER;
S436 – DEISOPENTANIZER; S437 – HYDROGEN PLANT;
S460 – U-250 ULSD HYDROTREATER

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	BAAQMD 8-10-301	Y		abatement of emissions from process vessel depressurization is required until pressure is reduced to less than 1000 mm Hg	8-10-401.2 (SIP) and 8-10-501 & 502 (non-SIP)	P/E	Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – N
Applicable Limits and Compliance Monitoring Requirements
S304 –U-229 LIGHT NAPHTHA HYDROTREATER;
S305 – U-230 PREFRACTIONATOR / NAPHTHA HYDROTREATER;
S306 – U-231 PLATFORMING UNIT; S307 – U-240 UNICRACKING UNIT;
S308 – U-244 REFORMING UNIT; S309 – U-248 UNISAR UNIT;
S318 – U-76 GASOLINE / MID-BARREL BLENDING UNIT;
S319 – U-215 GASOLINE FRACTIONATING UNIT;
S322 – U-40 RAW MATERIALS RECEIVING; S435 – REFORMATE SPLITTER;
S436 – DEISOPENTANIZER; S437 – HYDROGEN PLANT;
S460 – U-250 ULSD HYDROTREATER

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC (S307 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 BAAQMD Condition 6671, Part 6	P/D P/A	visual inspection source test
throughput (S304 only)	BAAQMD Condition 21095, Part 1	Y		12,198 bbl/day (monthly average)	BAAQMD Condition 21095, Part 2	P/D	records
throughput (S460 only)	BAAQMD Condition 21094, Part 1	Y		35,000 bbl/day (monthly average)	BAAQMD Condition 21094, Part 2	P/D	records
throughput	BAAQMD Condition 20989, Part A	Y		S305: 9.23 E 6 bbl/yr S306: 5.66 E 6 bbl/yr S307: 1.39 E 7 bbl/yr S435: 6.6 E 6 bbl/yr S436: 4.7 E 6 bbl/yr S437: 10.4 E 9 ft3/yr	BAAQMD Condition 20989, Part A	P/M	records
throughput	BAAQMD Condition 20989, Part A	N		S308: 5.11 E 6 bbl/yr S309: 6.6 E 8 bbl/yr S318: 3.3 E 7 bbl/yr S319: 3.51 E 6 bbl/yr	BAAQMD Condition 20989, Part A	P/M	records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – N
Applicable Limits and Compliance Monitoring Requirements
S304 –U-229 LIGHT NAPHTHA HYDROTREATER;
S305 – U-230 PREFRACTIONATOR / NAPHTHA HYDROTREATER;
S306 – U-231 PLATFORMING UNIT; S307 – U-240 UNICRACKING UNIT;
S308 – U-244 REFORMING UNIT; S309 – U-248 UNISAR UNIT;
S318 – U-76 GASOLINE / MID-BARREL BLENDING UNIT;
S319 – U-215 GASOLINE FRACTIONATING UNIT;
S322 – U-40 RAW MATERIALS RECEIVING; S435 – REFORMATE SPLITTER;
S436 – DEISOPENTANIZER; S437 – HYDROGEN PLANT;
S460 – U-250 ULSD HYDROTREATER

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 22549, Part 1	Y		S318: 113,150 bbl/day (except for diesel, which does not have a daily limit)	BAAQMD Condition 22549, Part 2	P/D	records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – O
Applicable Limits and Compliance Monitoring Requirements
S350 – 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 (SIP) and 8-10-501 & 502 (non-SIP)	P/E	Records
SO2	BAAQMD Condition 383, Part 1a	Y		crude oil sulfur content limit (1.5 weight%)	BAAQMD Condition 383, Part 1b	P/E	analysis
Through-put	BAAQMD Condition 383, Part 2	Y		36,000 bbl/day	BAAQMD Condition 383, Part 3a	P/D	records

Table VII – P
Applicable Limits and Compliance Monitoring Requirements
S432 – 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 (SIP) and 8-10-501 & 502 (non-SIP)	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
S352 - COMBUSTION TURBINE
S353 - COMBUSTION TURBINE
S354 - 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	40 CFR 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		6 ppmv @ 15% O2	BAAQMD Condition 12122, Part 14	P/A	source test
POC	BAAQMD Condition 12122, Part 11	Y		8.3 lb/hr, 30.5 ton/yr	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
S352 - COMBUSTION TURBINE
S353 - COMBUSTION TURBINE
S354 - 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
Opacity	BAAQMD 6-301	Y		Ringelmann No. 1 for no more than 3 minutes/hour	None for gaseous-fueled sources	N	None
FP	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
Through-put	BAAQMD Condition 18629, Part IX.D.2	Y		466 MMbtu/hr at each turbine/duct burner set	BAAQMD Condition 18629, Part IX.D.4	P/M	records
Through-put	BAAQMD Condition 18629, Part IX.D.3	Y		1048 MMbtu/hr total	BAAQMD Condition 18629, Part IX.D.4	P/M	records
SO2	40 CFR 60.333(b)	Y		0.8 % sulfur in fuel by weight	Condition 12122, Part 12	P/3 times per day	TRS analysis
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

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – Q.1
Applicable Limits and Compliance Monitoring Requirements
S352 - COMBUSTION TURBINE
S353 - COMBUSTION TURBINE
S354 - 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
H2S	40 CFR 60.104(a)(1)	Y		fuel gas H2S concentration limited to 230 mg/dscm (0.10 gr/dscf) except for gas burned as a result of process upset or gas burned at flares from relief valve leaks or other emergency malfunctions	40 CFR 60.105(a)(4)	C	H2S analyzer

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.

Table VII – Q.2
Applicable Limits and Compliance Monitoring Requirements
S355 – SUPPLEMENTAL DUCT BURNERS FOR S352
S356 – SUPPLEMENTAL DUCT BURNERS FOR S353
S357 – SUPPLEMENTAL DUCT BURNERS FOR S354

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

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – Q.2
Applicable Limits and Compliance Monitoring Requirements
S355 – SUPPLEMENTAL DUCT BURNERS FOR S352
S356 – SUPPLEMENTAL DUCT BURNERS FOR S353
S357 – SUPPLEMENTAL DUCT BURNERS FOR S354

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
NOx	40 CFR 60.44b(a)(4)(i)	Y		0.20 lb/MMbtu for natural gas firing only conditions	40 CFR 60.48b(h) – Exempt from NOx CEM during natural gas firing only conditions	N	None
NOx	40 CFR 60.44b(f)	Y		25 ppmv @ 15% O2 (3-hr average) (based on PSD Permit Condition 18629, Part IX.E)	40 CFR 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
CO	BAAQMD Condition 12122, Part 10a	Y		200 ton/yr	BAAQMD Condition 12122, Part 10b	C	CEM
POC	BAAQMD Condition 12122, Part 8	Y		6 ppmv @ 15% O2	BAAQMD Condition 12122, Part 14	P/A	source test

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – Q.2
Applicable Limits and Compliance Monitoring Requirements
S355 – SUPPLEMENTAL DUCT BURNERS FOR S352
S356 – SUPPLEMENTAL DUCT BURNERS FOR S353
S357 – SUPPLEMENTAL DUCT BURNERS FOR S354

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 12122, Part 11	Y		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
FP	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
Through-put	BAAQMD Condition 12122, Part 6	Y		2.42 E 12 btu/yr at S355, S356, S357 (combined)	BAAQMD Condition 12122, Part 15	P/D	records
Through-put	BAAQMD Condition 18629, Part IX.D.2	Y		466 MMbtu/hr at each turbine/duct burner set	BAAQMD Condition 18629, Part IX.D.4	P/M	records
Through-put	BAAQMD Condition 18629, Part IX.D.3	Y		1048 MMbtu/hr total	BAAQMD Condition 18629, Part IX.D.4	P/M	records
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

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – Q.2
Applicable Limits and Compliance Monitoring Requirements
S355 – SUPPLEMENTAL DUCT BURNERS FOR S352
S356 – SUPPLEMENTAL DUCT BURNERS FOR S353
S357 – SUPPLEMENTAL DUCT BURNERS FOR S354

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 60.104(a)(1)	Y		fuel gas H2S concentration limited to 230 mg/dscm (0.10 gr/dscf) except for gas burned as a result of process upset or gas burned at flares from relief valve leaks or other emergency malfunctions	40 CFR 60.105(a)(4)	C	H2S analyzer

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

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – S
Applicable Limits and Compliance Monitoring Requirements
S425 – MARINE LOADING BERTH M1
S426 – 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 8-44-304.1	N		POC Emission ≤ 5.7 grams per cubic meter (2 lb/1000 barrel) loaded, or	BAAQMD Condition 4336, Part 1	C	A420 temperature
POC	BAAQMD 8-44-304.1	N		Controlled ≥ 95% weight	BAAQMD Condition 4336, Part 1	C	A420 temperature
POC	SIP 8-44-301.1	Y		POC Emission ≤ 5.7 grams per cubic meter (2 lb/1000 barrel) loaded, or	BAAQMD Condition 4336, Part 1	C	A420 temperature
POC	SIP 8-44-301.2	Y		Controlled ≥ 95% weight	BAAQMD Condition 4336, Part 1	C	A420 temperature
POC	BAAQMD Condition 4336, Part 9	Y		Controlled ≥ 98.5% weight	BAAQMD Condition 4336, Part 1	C	A420 temperature
POC	BAAQMD 8-44-305.2	N		Vessels hatches, P/V valves, connections, gauging ports and vents, and other equipment up to and including first connection < 3 drops/minute for liquid leak; < 10,000 ppm for gaseous leak	BAAQMD 8-44-305.3 & 8-44-603	P/E (after 1/1/07, during every operation)	inspection with portable VOC monitor

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – S
Applicable Limits and Compliance Monitoring Requirements
S425 – MARINE LOADING BERTH M1
S426 – 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	SIP 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
POC	BAAQMD Condition 4336, Part 1	Y		1300 degrees F minimum temperature during startup not to exceed 15 minutes, 1400 degrees F minimum temperature after startup	BAAQMD Condition 4336, Part 2b	C	A420 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 6a	Y		25,000 bbl/day of gasoline, naphtha and C5/C6 compounds, annual average basis	BAAQMD Condition 4336, Part 8	P/D	loading records
POC	BAAQMD Condition 4336, Part 6b	Y		20,000 bbl/hr of gasoline, naphtha and C5/C6 compounds	BAAQMD Condition 4336, Part 8	P/D	loading records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – S
Applicable Limits and Compliance Monitoring Requirements
S425 – MARINE LOADING BERTH M1
S426 – 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
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 60.13(i); BAAQMD Condition 4336, part 11	P/E	Detector tube analysis
Through-put	BAAQMD Condition 4336, Part 7	Y		30,000 bbl/day of crude oil received on an annual average basis	BAAQMD Condition 4336, Part 8	P/D	loading records

Table VII – T
Applicable Limits and Compliance Monitoring Requirements
S450 – 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; S301 - MOLTEN SULFUR PIT 234;
S302 - MOLTEN SULFUR PIT 236; S303 - 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		95% of H2S in refinery fuel gas is removed and recovered on a refinery-wide basis AND 95% of H2S in process water streams is removed and recovered on a refinery-wide basis AND 95% of ammonia in process water streams is removed; refineries which remove the equivalent of 16.5 ton/day or more of elemental sulfur shall install a sulfur recovery plant or sulfuric acid plant	None	N	
Opacity	BAAQMD 6-301	Y		Ringelmann No. 1 for no more than 3 minutes/hour	BAAQMD Condition 19278 Part 4	Y	Visible emissions inspection
FP	BAAQMD 6-305	Y		Prohibition of nuisance	None	N	None
FP	BAAQMD 6-310	Y		0.15 grain/dscf	None	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; S301 - MOLTEN SULFUR PIT 234; S302 - MOLTEN SULFUR PIT 236; S303 - 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		0.08 grain/dscf exhaust concentration of SO3 and H2SO4, expressed as 100% H2SO4	BAAQMD Condition 19278 Part 3	P/A	Source Test
throughput	BAAQMD Condition 20989, Part A	N		98,915 long ton/yr for S1001, S1002, S1003, S301, S302, S303	BAAQMD Condition 20989, Part A	P/M	records

Table VII – V
Applicable Limits and Compliance Monitoring Requirements
S370 – 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 (SIP) and 8-10-501 & 502 (non-SIP)	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

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – W
Applicable Limits and Compliance Monitoring Requirements
S380 – 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 6-301	Y		Ringelmann No. less than 1 for more than 3 minutes/hr	BAAQMD Condition 18251, Part 2b	P/Q	Pressure Drop
FP	BAAQMD 6-305	Y		Prohibition of nuisance	BAAQMD Condition 18251, Part 2b	P/Q	Pressure Drop
FP	BAAQMD 6-310	Y		No emissions from source > 0.15 grains per dscf of gas volume	BAAQMD Condition 18251, Part 2b	P/Q	Pressure Drop
FP	BAAQMD 6-311	Y		No emissions from source > rate specified in rule	BAAQMD Condition 18251, Part 2b	P/Q	Pressure Drop
throughput	BAAQMD Condition 20989, Part A	Y		3,942 ton/yr	BAAQMD Condition 20989, Part A	P/M	records

Table VII - X
Applicable Limits and Compliance Monitoring Requirements
S389 – 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 6-301	Y		Ringelmann No. less than 1 for more than 3 minutes/hr	BAAQMD Condition 18251, Part 2c	P/E (baghouse operation)	Pressure Drop
FP	BAAQMD 6-305	Y		Prohibition of nuisance	BAAQMD Condition 18251, Part 2c	P/E (baghouse operation)	Pressure Drop
FP	BAAQMD 6-310	Y		No emissions from source > 0.15 grains per dscf of gas volume	BAAQMD Condition 18251, Part 2c	P/E (baghouse operation)	Pressure Drop

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - X
Applicable Limits and Compliance Monitoring Requirements
S389 – 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
FP	BAAQMD 6-311	Y		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

Table VII – Y
Applicable Limits and Compliance Monitoring Requirements
S462 – U-215 FUEL GAS CAUSTIC TREATMENT SYSTEM
S463 – U-215 BUTANE CAUSTIC TREATMENT SYSTEM

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	startup	S462: 1.533 E 9 ft3/yr S463: .365,000 bbl/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 8-18-301	Y		General equipment leak ≤ 100 ppm	BAAQMD 8-18-401.2	P/Q	Inspection
POC	BAAQMD 8-18-302	Y		Valve leak ≤ 100 ppm	BAAQMD 8-18-401.2	P/Q	Inspection
POC	BAAQMD 8-18-303	Y		Pump and compressor leak ≤ 500 ppm	BAAQMD 8-18-401.2	P/Q	Inspection
POC	BAAQMD 8-18-304	Y		Connection leak ≤ 100 ppm	BAAQMD 8-18-401.2e	P/Q	Inspection
POC	BAAQMD 8-18-305	Y		Pressure relief valve leak ≤ 500 ppm	BAAQMD 8-18-401.2	P/Q	Inspection
POC	BAAQMD 8-18-306.1	Y		Valve, pressure relief, pump or compressor must be repaired within 5 years or at the next scheduled turnaround	BAAQMD 8-18-502.4	P/quarterly	report
POC	BAAQMD 8-18-306.2	Y		Awaiting repair Valves ≤ 0.5% Pressure Relief ≤ 1% Pump and Connector ≤ 1%	BAAQMD 8-18-401.5	P/within 24 hours	Inspection
POC	BAAQMD 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 8-18-401.3	P/D	Inspection
POC	BAAQMD 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

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 8-28-303	Y		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 8-28-304	Y		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
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

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(b)	Y		Valve leak: 10,000 ppm; 2 successive months w/o leaking	40 CFR 60.482-7(c)	P/Q	Measure for leaks
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 60.483 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
61; Subpart FF							
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

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – BB.1
Applicable Limits and Compliance Monitoring Requirements
NSPS Kb Low Vapor Pressure Permitted Wastewater Sludge Tanks with Vapor Recovery to Fuel Gas
S433 (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 Regulation 8, Rule 5 - Organic Compounds - STORAGE OF ORGANIC LIQUIDS Exempt per 8-5-117. Low vapor pressure						
POC	BAAQMD 8-5-117 & Condition 20773, Part 1	Y		Exemption from Regulation 8-5 when true vapor pressure is less than 25.8 mm Hg (0.5 psia).	BAAQMD 2-6-409.2 & Condition 20773, Part 2	P/E	Vapor pressure determination upon material change
	BAAQMD 8, Rule 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.**						
	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 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 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 – BB.1
Applicable Limits and Compliance Monitoring Requirements
NSPS Kb Low Vapor Pressure Permitted Wastewater Sludge Tanks with Vapor Recovery to Fuel Gas
S433 (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
	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 CONDITIONS						
throughput	BAAQMD Condition 7353, Part 4	Y		138,700 bbl/yr	BAAQMD Condition 7353, Part 5	P/W	records

Table VII – BB.2
Applicable Limits and Compliance Monitoring Requirements
Low Vapor Pressure Permitted Tanks
Subject to MACT Recordkeeping
S118 (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 Regulation 8, Rule 5 - Organic Compounds - STORAGE OF ORGANIC LIQUIDS Exempt per 8-5-117. Low vapor pressure						
POC	BAAQMD 8-5-117 & Condition 20773, Part 1	Y		Exemption from Regulation 8-5 when true vapor pressure is less than 25.8 mm Hg (0.5 psia).	BAAQMD 2-6-409.2 & Condition 20773, Part 2	P/E	Vapor pressure determination upon material change
	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 CONDITIONS						

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – BB.2
Applicable Limits and Compliance Monitoring Requirements
LOW VAPOR PRESSURE PERMITTED TANKS
SUBJECT TO MACT RECORDKEEPING
S118 (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
throughput	BAAQMD Condition 20989, Part A	N		15,000 bbl/yr	BAAQMD Condition 20989, Part A	P/M	Records

Table VII – BB.3
Applicable Limits and Compliance Monitoring Requirements
LOW VAPOR PRESSURE PERMITTED TANKS < 10,000 GALLONS
S117 (TANK 162), S193 (TANK 305), S194 (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 Regulation 8, Rule 5 - Organic Compounds - STORAGE OF ORGANIC LIQUIDS Exempt per 8-5-117. Low vapor pressure						
POC	BAAQMD 8-5-117 & Condition 20773, Part 1	Y		Exemption from Regulation 8, Rule 5 when true vapor pressure is less than 25.8 mm Hg (0.5 psia).	BAAQMD 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 63.641 storage vessel definition. Size less than or equal to 10,000 gallons.**						
	BAAQMD PERMIT CONDITIONS						
throughput	BAAQMD Condition 20989, Part A	N		S117: 8.76 E 5 bbl/yr S193: 100 bbl/yr S194: 100 bbl/yr	BAAQMD Condition 20989, Part A	P/M	Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – BB.4
Applicable Limits and Compliance Monitoring Requirements
LOW VAPOR PRESSURE PERMITTED TANKS
VENTED TO FUEL GAS
S238 (TANK 211), S239 (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 Regulation 8, Rule 5 - Organic Compounds - STORAGE OF ORGANIC LIQUIDS **Exempt per 8-5-117. Low vapor pressure**						
POC	BAAQMD 8-5-117 & Condition 20773, Part 1	Y		Exemption from Regulation 8, Rule 5 when true vapor pressure is less than 25.8 mm Hg (0.5 psia).	BAAQMD 2-6-409.2 & Condition 20773, Part 2	P/E	Vapor pressure determination upon material change
NONE	**63 Subpart CC – NESHAPS for Petroleum Refineries** **Exempt per 63.640(d)(5). Emission point routed to fuel gas system.**						
	BAAQMD PERMIT CONDITIONS						
throughput	BAAQMD Condition 20989, Part A	N		S238: 1.0 E 6 bbl/yr S239: 8.76 E 6 bbl/yr	BAAQMD Condition 20989, Part A	P/M	Records

Table VII – BB.5
Applicable Limits and Compliance Monitoring Requirements
NSPS KB LOW VAPOR PRESSURE PERMITTED WASTEWATER SLUDGE TANKS
S195 (TANK 501), S196 (TANK 502), S388 (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 Regulation 8, Rule 5 - Organic Compounds - STORAGE OF ORGANIC LIQUIDS **Exempt per 8-5-117. Low vapor pressure**						
POC	BAAQMD 8-5-117 & Condition 20773, Part 1	Y		Exemption from Regulation 8, Rule 5 when true vapor pressure is less than 25.8 mm Hg (0.5 psia).	BAAQMD 2-6-409.2 & Condition 20773, Part 2	P/E	Vapor pressure determination upon material change
	BAAQMD 8, Rule 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

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – BB.5
Applicable Limits and Compliance Monitoring Requirements
NSPS Kb Low Vapor Pressure Permitted Wastewater Sludge Tanks
S195 (Tank 501), S196 (Tank 502), S388 (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
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
	40 CFR 60, Subpart Kb - NSPS for VOL Storage Vessels at Petroleum Refineries **40 CFR 63, Subpart CC – National Emission Standards for Hazardous Air Pollutants for 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
	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 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 60.692-3(a) inspections that could result in VOC emissions	40 CFR 60.698(c)	periodic initially and semi-annually	Report
	BAAQMD PERMIT CONDITIONS						
throughput	BAAQMD Condition 20989, Part A	Y		S195, S196, S388: 525,600 bbl/yr	BAAQMD Condition 20989, Part A	P/M	Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – BB.6
Applicable Limits and Compliance Monitoring Requirements
MACT (SMALL) ZERO GAP EXTERNAL FLOATING ROOF TANK
S121 (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 Regulation 8, Rule 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 replacement	Records
VOC		Y		Determination of applicability	BAAQMD 8-5-604	P/E	look-up table or sample analysis

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – BB.6
Applicable Limits and Compliance Monitoring Requirements
MACT (SMALL) ZERO GAP EXTERNAL FLOATING ROOF TANK
S121 (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
	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 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 – BB.7
Applicable Limits and Compliance Monitoring Requirements
NSPS Kb Zero gap External Floating Roof Tanks
S439 (Tank 109), S440 (Tank 110), S442 (Tank 112), S444 (Tank 243), S451 (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 Regulation 8, Rule 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 replacement	records
VOC		Y		Determination of applicability	BAAQMD 8-5-604	P/E	look-up table or sample analysis

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – BB.7
Applicable Limits and Compliance Monitoring Requirements
NSPS Kb Zero gap External Floating Roof Tanks
S439 (Tank 109), S440 (Tank 110), S442 (Tank 112), S444 (Tank 243), S451 (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
	40 CFR 60, Subpart Kb – NSPS for VOL Storage Vessels **40 CFR 63, Subpart CC – NESHAPS for Petroleum Refineries** **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
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 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

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – BB.7
Applicable Limits and Compliance Monitoring Requirements
NSPS Kb Zero gap External Floating Roof Tanks
S439 (Tank 109), S440 (Tank 110), S442 (Tank 112), S444 (Tank 243), S451 (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 PERMIT CONDITIONS						
The following applies to S439 only							
throughput	BAAQMD Condition 12124, Part 1	Y		3,650,000 bbl/yr	BAAQMD Condition 12124, Part 3	P/M	records
The following applies to S440 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 S442 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 S444 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 S451 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 – BB.8
Applicable Limits and Compliance Monitoring Requirements
NSPS Kb Zero gap External Floating Roof Stormwater Equalization Tanks S101 (Tank 104), S102 (Tank 105), S106 (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 Regulation 8, Rule 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 replacement	records
VOC		Y		Determination of applicability	BAAQMD 8-5-604	P/E	look-up table or sample analysis

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – BB.8
Applicable Limits and Compliance Monitoring Requirements
NSPS Kb Zero gap External Floating Roof Stormwater Equalization Tanks
S101 (Tank 104), S102 (Tank 105), S106 (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 S106 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 S106 only							
	BAAQMD Regulation 8, Rule 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**						
	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 – BB.8
Applicable Limits and Compliance Monitoring Requirements
NSPS Kb Zero gap External Floating Roof Stormwater Equalization Tanks
S101 (Tank 104), S102 (Tank 105), S106 (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 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 CONDITIONS						
throughput	BAAQMD Condition 20989, Part A	Y		S101: 3.68 E 9 gal/yr S102: 3.68 E 9 gal/yr S106: 3.68 E 9 gal/yr	BAAQMD Condition 20989, Part A	P/M	records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – BB.9
Applicable Limits and Compliance Monitoring Requirements
NSPS KB ZERO GAP INTERNAL FLOATING ROOF TANK
S448 (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 Regulation 8, Rule 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
VOC		Y		Records of tank seal replacement	BAAQMD 8-5-501.2	periodic after each tank seal replacement	Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – BB.9
Applicable Limits and Compliance Monitoring Requirements
NSPS Kb Zero Gap Internal Floating Roof Tank
S448 (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		Determination of applicability	BAAQMD 8-5-604	P/E	look-up table or sample analysis
	40 CFR 60 Subpart Kb – NSPS for VOL Storage Vessels **40 CFR 63 Subpart CC – NESHAPS for Petroleum Refineries** **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
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

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – BB.9
Applicable Limits and Compliance Monitoring Requirements
NSPS Kb Zero Gap Internal Floating Roof Tank
S448 (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		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 CONDITIONS						
throughput	BAAQMD Condition 12133, Part 1	Y		2,190,000 bbl/yr	BAAQMD Condition 12133, Part 3	P/M	records

Table VII – BB.10
Applicable Limits and Compliance Monitoring Requirements
Internal Floating Roof Tanks with Dome Roofs
Previously External Floating Roof Tanks
S126 (Tank 172), S257 (Tank 1004), S258 (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 Regulation 8, Rule 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

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – BB.10
Applicable Limits and Compliance Monitoring Requirements
INTERNAL FLOATING ROOF TANKS WITH DOME ROOFS
PREVIOUSLY EXTERNAL FLOATING ROOF TANKS
S126 (Tank 172), S257 (Tank 1004), S258 (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 8-5-322	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 replacement	Records
VOC		Y		Determination of applicability	BAAQMD 8-5-604	P/E	look-up table or sample analysis
The following apply only to S126 and S258							
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 – BB.10
Applicable Limits and Compliance Monitoring Requirements
INTERNAL FLOATING ROOF TANKS WITH DOME ROOFS
PREVIOUSLY EXTERNAL FLOATING ROOF TANKS
S126 (Tank 172), S257 (Tank 1004), S258 (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
The following apply only to S126 and S258							
	CFR 63, Subpart G – SOCMI HON **40 CFR 63, Subpart CC – NESHAPS for Petroleum Refineries** **40 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 CONDITIONS						
throughput	BAAQMD Condition 20989, Part A	N		S126: 1.05 E 7 bbl/yr S257: 7.01 E 7 bbl/yr S258: 7.01 E 7 bbl/yr	BAAQMD Condition , Part A	P/M	records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – BB.11
Applicable Limits and Compliance Monitoring Requirements
NSPS Kb Fixed Roof Tanks with Vapor Recovery to Fuel Gas
S135 (Tank 200), S360 (Tank 223), S445 (Tank 271), S449 (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 Regulation 8, Rule 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.**						
	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 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 CONDITIONS						
The following applies to S135 only							

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – BB.11
Applicable Limits and Compliance Monitoring Requirements
NSPS KB FIXED ROOF TANKS WITH VAPOR RECOVERY TO FUEL GAS
S135 (TANK 200), S360 (TANK 223), S445 (TANK 271), S449 (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
VOC	BAAQMD Condition 22518, Part 1	Y		Vapor pressure < 11 psia	BAAQMD 8-5-501.1	periodic initially and upon change of service	records
	BAAQMD Condition 22518, Part 3	Y		10 E 6 bbl/yr	BAAQMD 8-5-501.1	P/E	Records
The following applies to S445 only.							
VOC	BAAQMD Condition 12130, Part 1	Y		Requirement to vent working emissions to fuel gas system	None	N	None
The following applies to S449 only.							
VOC	BAAQMD Condition 11219, Part 1	Y		Requirement to vent working emissions to fuel gas system	None	N	None
The following applies to S360 only.							
throughput	BAAQMD Condition 20989, Part A	Y		2.78 E 6 bbl/yr	BAAQMD Condition 20989, Part A	P/M	records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – BB.12
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
S446 (Tank 310), S447 (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 Regulation 8, Rule 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.**						
	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 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 CONDITIONS						

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – BB.12
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
S446 (TANK 310), S447 (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
The following applies only to S446							
VOC	BAAQMD Condition 12131, Part 1	Y		Requirement to vent working emissions to fuel gas system	None	N	None
The following applies only to S447							
VOC	BAAQMD Condition 12132, Part 1	Y		Requirement to vent working emissions to fuel gas system	None	N	None

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – BB.13
Applicable Limits and Compliance Monitoring Requirements
MACT ZERO-GAP EXTERNAL FLOATING-ROOF TANKS
S97 (TANK 100), S100 (TANK 103), S107 (TANK 150), S110 (TANK 155), S111 (TANK 156), S112 (TANK 157), S114 (TANK 159), S115 (TANK 160), S122 (TANK 167), S123 (TANK 168), S124 (TANK 169), S128 (TANK 174), S129 (TANK 180), S150 (TANK 241), S151 (TANK 242), S177 (TANK 287), S178 (TANK 288), S186 (TANK 298), S254 (TANK 1001), S255 (TANK 1002), S256 (TANK 1003), S259 (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 Regulation 8, Rule 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 replacement	Records
VOC		Y		Determination of applicability	BAAQMD 8-5-604	P/E	look-up table or sample analysis

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – BB.13
Applicable Limits and Compliance Monitoring Requirements
MACT ZERO-GAP EXTERNAL FLOATING-ROOF TANKS
S97 (TANK 100), S100 (TANK 103), S107 (TANK 150), S110 (TANK 155), S111 (TANK 156), S112 (TANK 157), S114 (TANK 159), S115 (TANK 160), S122 (TANK 167), S123 (TANK 168), S124 (TANK 169), S128 (TANK 174), S129 (TANK 180), S150 (TANK 241), S151 (TANK 242), S177 (TANK 287), S178 (TANK 288), S186 (TANK 298), S254 (TANK 1001), S255 (TANK 1002), S256 (TANK 1003), S259 (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
The following apply only to S107 (Tank 150), S110 (Tank 155), S115 (Tank 160), S123 (Tank 168), S128 (Tank 174), S129 (Tank 180), and S178 (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 S107 (Tank 150), S110 (Tank 155), S115 (Tank 160), S123 (Tank 168), S128 (Tank 174), S129 (Tank 180), and S178 (Tank 288)							
	40 CFR 63, Subpart G – SOCMI HON **40 CFR 63 Subpart CC – NESHAPS for Petroleum Refineries** **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 CONDITIONS						

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – BB.13
Applicable Limits and Compliance Monitoring Requirements
MACT ZERO-GAP EXTERNAL FLOATING-ROOF TANKS
S97 (TANK 100), S100 (TANK 103), S107 (TANK 150), S110 (TANK 155), S111 (TANK 156), S112 (TANK 157), S114 (TANK 159), S115 (TANK 160), S122 (TANK 167), S123 (TANK 168), S124 (TANK 169), S128 (TANK 174), S129 (TANK 180), S150 (TANK 241), S151 (TANK 242), S177 (TANK 287), S178 (TANK 288), S186 (TANK 298), S254 (TANK 1001), S255 (TANK 1002), S256 (TANK 1003), S259 (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 Condition 22478, Part 2	Y		S124: 6,815 lb/12-month period	BAAQMD Condition 22478, Part 8	P/M	Records and calculations
	BAAQMD Condition 22478, Part 3	Y		S186: 2,231 lb/12-month period	BAAQMD Condition 22478, Part 8	P/M	Records and calculations
throughput	BAAQMD Condition 20989, Part A	N		S97: 1.1 E 7 bbl/yr S100: 4.38 E 6 bbl/yr S107: 8.76 E 6 bbl/yr S110: 1.40 E 7 bbl/yr S111: 1.31 E 7 bbl/yr S112: 1.49 E 7 bbl/yr S114: 1.31 E 7 bbl/yr S115: 4.38 E 6 bbl/yr S122: 4.38 E 6 bbl/yr S128: 5.1 E 6 bbl/yr S177: 2.63 E 7 bbl/yr S254: 7.01 E 7 bbl/yr S255: 7.01 E 7 bbl/yr S256: 7.01 E 7 bbl/yr S259: 7.01 E 7 bbl/yr	BAAQMD Condition 20989, Part A	P/M	Records
throughput	BAAQMD Condition 20989, Part A	Y		S129: 4.6 E 6 bbl/yr S150: 4.38 E 7 bbl/yr S151: 4.38 E 7 bbl/yr S178: 3.50 E 7 bbl/yr	BAAQMD Condition 20989, Part A	P/M	records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – BB.13
Applicable Limits and Compliance Monitoring Requirements
MACT ZERO-GAP EXTERNAL FLOATING-ROOF TANKS
S97 (TANK 100), S100 (TANK 103), S107 (TANK 150), S110 (TANK 155), S111 (TANK 156), S112 (TANK 157), S114 (TANK 159), S115 (TANK 160), S122 (TANK 167), S123 (TANK 168), S124 (TANK 169), S128 (TANK 174), S129 (TANK 180), S150 (TANK 241), S151 (TANK 242), S177 (TANK 287), S178 (TANK 288), S186 (TANK 298), S254 (TANK 1001), S255 (TANK 1002), S256 (TANK 1003), S259 (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 22478, Part 5	Y		S123: 5.1 E 6 bbl/yr	BAAQMD 8-5-501.1	periodic initially and upon change of service	Records
Vapor pressure	BAAQMD Condition 22478, Part 1	Y		S123: $\leq$ 3.4 psia	BAAQMD 8-5-501.1	periodic initially and upon change of service	Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – BB.14
Applicable Limits and Compliance Monitoring Requirements
NSPS K AND NSPS KA ZERO-GAP EXTERNAL FLOATING ROOF TANKS
NSPS K - S334 (TANK 107),
NSPS KA - S341 (TANK 208), S342 (TANK 209), S343 (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 Regulation 8, Rule 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 replacement	Records
VOC		Y		Determination of applicability	BAAQMD 8-5-604	P/E	look-up table or sample analysis

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – BB.14
Applicable Limits and Compliance Monitoring Requirements
NSPS K AND NSPS KA ZERO-GAP EXTERNAL FLOATING ROOF TANKS
NSPS K - S334 (TANK 107),
NSPS KA - S341 (TANK 208), S342 (TANK 209), S343 (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
	40 CFR 60, Subpart K – NSPS for Petroleum Storage Vessels (note 2) **40 CFR 60, Subpart Ka – NSPS for Petroleum Storage Vessels (note 3)** **40 CFR 63, Subpart G – SOCMI HON** **40 CFR 63, Subpart CC – NESHAPS for Petroleum Refineries** **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 CONDITIONS**						
throughput	BAAQMD Condition 20989, Part A	Y		S341: 4.38 E 7 bbl/yr S342: 4.38 E 7 bbl/yr S343: 4.38 E 7 bbl/yr	BAAQMD Condition 20989, Part A	P/M	Records
throughput	BAAQMD Condition 22478, Part 8	Y		S334: 6.51 E 6 bbl/yr	BAAQMD 8-5-501.1	periodic initially and upon change of service	Records
Vapor pressure	BAAQMD Condition 22478, Part 4	Y		S334: $\leq$ 5.8 psia	BAAQMD 8-5-501.1	periodic initially and upon change of service	Records

2. Tanks subject to 63 Subpart CC (MACT) and NSPS K are subject only to MACT per 63.640(n)(5). Source S334 (Tank 107)

VII. Applicable Limits and Compliance Monitoring Requirements

is subject to NSPS K and MACT.

3. Tanks subject to 63 Subpart CC (MACT) and NSPS Ka are subject only to MACT per 63.640(n)(5). Sources S341 (Tank 208), S342 (Tank 209), and S343 (Tank 210) are subject to NSPS Ka and MACT.

Table VII – BB.15a
Applicable Limits and Compliance Monitoring Requirements
MACT FIXED ROOF TANKS WITH VAPOR RECOVERY TO FUEL GAS
S137 (Tank 202), S139 (Tank 204), S140 (Tank 205)

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 Regulation 8, Rule 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
	BAAQMD Regulation 8, Rule -8 – Organic Compounds – Wastewater (Oil Water Separators)						
VOC	BAAQMD 8-8-302.3		Y	95% collection and destruction of VOC, by weight		N	
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 CONDITIONS						
The following applies to S137 only							

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – BB.15a
Applicable Limits and Compliance Monitoring Requirements
MACT FIXED ROOF TANKS WITH VAPOR RECOVERY TO FUEL GAS
S137 (Tank 202), S139 (Tank 204), S140 (Tank 205)

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 22518, Part 2	Y		Vapor pressure < 11 psia	BAAQMD 8-5-501.1	periodic initially and upon change of service	records
	BAAQMD Condition 22518, Part 3	Y		10 E 6 bbl/yr	BAAQMD 8-5-501.1	P/E	Records
The following applies to S139 and S140 only							
throughput	BAAQMD Condition 20989, Part A	N		S139: 2.74 E 6 bbl/yr S140: 2.74 E 6 bbl/yr	BAAQMD Condition 20989, Part A	P/M	records

Table VII – BB.15b
Applicable Limits and Compliance Monitoring Requirements
MACT FIXED ROOF TANKS WITH VAPOR RECOVERY TO FUEL GAS
S182 (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 Regulation 8, Rule 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 – BB.15b
Applicable Limits and Compliance Monitoring Requirements
MACT FIXED ROOF TANKS WITH VAPOR RECOVERY TO FUEL GAS
S182 (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 CONDITIONS						
VOC	BAAQMD Condition 13184, Part 1	Y		Requirement to vent working emissions to fuel gas system		N	

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – BB.16
Applicable Limits and Compliance Monitoring Requirements
MACT ZERO GAP EXTERNAL FLOATING ROOF WASTEWATER SLOP OIL TANK S133 (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 Regulation 8, Rule 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 – BB.16
Applicable Limits and Compliance Monitoring Requirements
MACT ZERO GAP EXTERNAL FLOATING ROOF WASTEWATER SLOP OIL TANK
S133 (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 replacement	records
VOC		Y		Determination of applicability	BAAQMD 8-5-604	P/E	look-up table or sample analysis
	BAAQMD Regulation 8, Rule 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
	40 CFR 63, Subpart G – SOCMI HON **40 CFR 63, Subpart CC – NESHAPS for Petroleum Refineries** **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 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 – BB.17
Applicable Limits and Compliance Monitoring Requirements
NSPS KA EXTERNAL FLOATING ROOF TANK W/O ZERO-GAP SEALS
S340 (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 Regulation 8, Rule 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 replacement	records
VOC		Y		Determination of applicability	BAAQMD 8-5-604	P/E	look-up table or sample analysis

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – BB.17
Applicable Limits and Compliance Monitoring Requirements
NSPS KA EXTERNAL FLOATING ROOF TANK W/O ZERO-GAP SEALS
S340 (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
	40 CFR 60 Subpart Ka – NSPS for Petroleum Storage Vessels (Note 2) **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 63.640(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 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 63 Subpart CC (MACT) and NSPS Ka are subject only to MACT per 63.640(n)(5). Source S340 (Tank 108) is subject to NSPS Ka and MACT.

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – BB.18
Applicable Limits and Compliance Monitoring Requirements
MACT EXTERNAL FLOATING-ROOF TANKS W/O ZERO-GAP SEALS
S113 (TANK 158), S125 (TANK 170), S183 (TANK 295), S184 (TANK 296), S261 (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 Regulation 8, Rule 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 replacement	records
VOC		Y		Determination of applicability	BAAQMD 8-5-604	P/E	look-up table or sample analysis

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – BB.18
Applicable Limits and Compliance Monitoring Requirements
MACT EXTERNAL FLOATING-ROOF TANKS W/O ZERO-GAP SEALS
S113 (TANK 158), S125 (TANK 170), S183 (TANK 295), S184 (TANK 296), S261 (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 S113 (Tank 158), S125 (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 S113 (Tank 158), S125 (Tank 170)							
	40 CFR 63 Subpart G – SOCMI HON **40 CFR 63 Subpart CC – NESHAPS for Petroleum Refineries** **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 CONDITIONS						
throughput	BAAQMD Condition 20989, Part A	N		S113: 1.49 E 7 bbl/yr S125: 1.05 E 7 bbl/yr S261: 7.01 E 7 bbl/yr	BAAQMD Condition 20989, Part A	P/M	Records
throughput	BAAQMD Condition 20989, Part A	Y		S183: 4.38 E 5 bbl/yr S184: 4.38 E 6 bbl/yr	BAAQMD Condition 20989, Part A	P/M	records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – BB.19
Applicable Limits and Compliance Monitoring Requirements
RIVETED MACT EXTERNAL FLOATING ROOF TANK
S216 (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 Regulation 8, Rule 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 replacement	records
VOC		Y		Determination of applicability	BAAQMD 8-5-604	P/E	look-up table or sample analysis

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – BB.19
Applicable Limits and Compliance Monitoring Requirements
RIVETED MACT EXTERNAL FLOATING ROOF TANK
S216 (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
	40 CFR 63, Subpart G – SOCMI HON **40 CFR 63, Subpart CC – NESHAPS for Petroleum Refineries** **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 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 – BB.20
Applicable Limits and Compliance Monitoring Requirements
MACT EXTERNAL FLOATING-ROOF WASTEWATER SLOP OIL TANK W/O ZERO-GAP SEALS
S134 (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 Regulation 8, Rule 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 – BB.20
Applicable Limits and Compliance Monitoring Requirements
MACT EXTERNAL FLOATING-ROOF WASTEWATER SLOP OIL TANK W/O ZERO-GAP SEALS
S134 (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 replacement	records
VOC		Y		Determination of applicability	BAAQMD 8-5-604	P/E	look-up table or sample analysis
	BAAQMD Regulation 8, Rule 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
	40 CFR 63, Subpart G – SOCMI HON **40 CFR 63, Subpart CC – NESHAPS for Petroleum Refineries** **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 CONDITIONS						
throughput	BAAQMD Condition 20989, Part A	N		1.31 E 7 bbl/yr	BAAQMD Condition 20989, Part A	P/M	records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – BB.21
Applicable Limits and Compliance Monitoring Requirements
EXEMPT TANKS SUBJECT TO MACT RECORDKEEPING
S91 (TANK 73), S94 (TANK 78), S98 (TANK 101), S99 (TANK 102), S103 (TANK 106), S120 (TANK 165), S130 (TANK 188), S131 (TANK 189), S132 (TANK 191), S136 (TANK 201), S138 (TANK 203), S141 (TANK 213), S142 (TANK 214), S143 (TANK 215), S144 (TANK 216), S145 (TANK 217), S148 (TANK 231), S149 (TANK 232), S157 (TANK 252), S162 (TANK 262), S164 (TANK 264), S165 (TANK 265), S166 (TANK 266), S167 (TANK 268), S168 (TANK 269), S169 (TANK 270), S171 (TANK 273), S172 (TANK 279), S173 (TANK 280), S174 (TANK 281), S179 (TANK 291), S180 (TANK 292), S187 (TANK 299), S191 (TANK 303), S192 (TANK 304), S202 (TANK 521), S204 (TANK 528), S205 (TANK 529), S206 (TANK 530), S207 (TANK 531), S209 (TANK 674), S224 (TANK 746), S225 (TANK 747), S226 (TANK 748), S227 (TANK 749), S228 (TANK 750), S229 (TANK 751), S230 (TANK 752), S231 (TANK 753), S236 (TANK 770), S237 (TANK 771), S240 (TANK 774), S241 (TANK 775), S260 (TANK 1009), S262 (TANK 1011), S263 (TANK 1012), S266 (TANK 1345), S267 (TANK 1346), S286 (F3), S287 (F10), S293 (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 Regulation 8, Rule 5 - Organic Compounds - STORAGE OF ORGANIC LIQUIDS Exempt per 8-5-117. Low vapor pressure						
POC	BAAQMD 8-5-117 & Condition 20773, Part 1	Y		Exemption from Regulation 8-5 when true vapor pressure is less than 25.8 mm Hg (0.5 psia).	BAAQMD 2-6-409.2 & Condition 20773, Part 2	P/E	Vapor pressure determination upon material change
	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 – BB.22
Applicable Limits and Compliance Monitoring Requirements
EXEMPT FIXED ROOF TANKS WITH VAPOR RECOVERY TO FUEL GAS
S158 (TANK 258), S175 (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 Regulation 8, Rule 5 - Organic Compounds - STORAGE OF ORGANIC LIQUIDS **Exempt per 8-5-117. Low vapor pressure**						
POC	BAAQMD 8-5-117 & Condition 20773, Part 1	Y		Exemption from Regulation 8-5 when true vapor pressure is less than 25.8 mm Hg (0.5 psia).	BAAQMD 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 – BB.23A
Applicable Limits and Compliance Monitoring Requirements
EXEMPT EXTERNAL FLOATING ROOF TANKS
SUBJECT TO MACT RECORDKEEPING [+]
BUT WITH GROUP I MACT FLEXIBILITY
S108 (TANK 153), S109 (TANK 154), S127 (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 Regulation 8, Rule 5 - Organic Compounds - STORAGE OF ORGANIC LIQUIDS **Exempt per 8-5-117. Low vapor pressure**						
POC	BAAQMD 8-5-117 & Condition 20773, Part 1	Y		Exemption from Regulation 8-5 when true vapor pressure is less than 25.8 mm Hg (0.5 psia).	BAAQMD 2-6-409.2 & Condition 20773, Part 2	P/E	Vapor pressure determination upon material change
	40 CFR 63, Subpart CC – NESHAP for Petroleum Refineries **MONITORING FOR RECORDKEEPING ONLY**						

[+] Sources S108, S109, and S127 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 – BB.23A
Applicable Limits and Compliance Monitoring Requirements
EXEMPT EXTERNAL FLOATING ROOF TANKS
SUBJECT TO MACT RECORDKEEPING [+]
BUT WITH GROUP I MACT FLEXIBILITY
S108 (TANK 153), S109 (TANK 154), S127 (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 Regulation 8, Rule 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 – BB.23B
Applicable Limits and Compliance Monitoring Requirements
EXEMPT EXTERNAL FLOATING ROOF TANKS
SUBJECT TO MACT RECORDKEEPING [+]
BUT WITH GROUP I MACT FLEXIBILITY
S108 (TANK 153), S109 (TANK 154), S127 (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 Regulation 8, Rule 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 S108, S109, and S127 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 – BB.23B
Applicable Limits and Compliance Monitoring Requirements
EXEMPT EXTERNAL FLOATING ROOF TANKS
SUBJECT TO MACT RECORDKEEPING +
BUT WITH GROUP I MACT FLEXIBILITY
S108 (TANK 153), S109 (TANK 154), S127 (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 replacement	Records
VOC		Y		Determination of applicability	BAAQMD 8-5-604	P/E	look-up table or sample analysis
	40 CFR 63 Subpart G – SOCMI HON **40 CFR 63 Subpart CC – NESHAPS for Petroleum Refineries** **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 – BB.23B
Applicable Limits and Compliance Monitoring Requirements
EXEMPT EXTERNAL FLOATING ROOF TANKS
SUBJECT TO MACT RECORDKEEPING +
BUT WITH GROUP I MACT FLEXIBILITY
S108 (TANK 153), S109 (TANK 154), S127 (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 – BB.24
Applicable Limits and Compliance Monitoring Requirements
NSPS K EXEMPT TANKS SUBJECT TO MACT RECORDKEEPING
S90 (TANK 67), S105 (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 Regulation 8, Rule 5 - Organic Compounds - STORAGE OF ORGANIC LIQUIDS Exempt per 8-5-117. Low vapor pressure						
POC	BAAQMD 8-5-117 & Condition 20773, Part 1	Y		Exemption from Regulation 8-5 when true vapor pressure is less than 25.8 mm Hg (0.5 psia).	BAAQMD 2-6-409.2 & Condition 20773, Part 2	P/E	Vapor pressure determination upon material change
	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	63.640(n)(7) 63.641	Y		Retain weight percent total organic HAP in stored liquid for Group 2 determination.	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 – BB.25
Applicable Limits and Compliance Monitoring Requirements
EXEMPT BUTANE SPHERES
S188 (TANK 300), S189 (TANK 301), S190 (TANK 302), S253 (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 Regulation 8, Rule 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 S188 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 – BB.27
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 Regulation 8, Rule 5 - Organic Compounds - STORAGE OF ORGANIC LIQUIDS **Exempt per 8-5-117. Low vapor pressure**						
POC	BAAQMD 8-5-117 & Condition 20773, Part 1	Y		Exemption from Regulation 8-5 when true vapor pressure is less than 25.8 mm Hg (0.5 psia).	BAAQMD 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.**						
	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
NSPS QQQ	**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 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 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 – BB.28
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 Regulation 8, Rule 5 - Organic Compounds - STORAGE OF ORGANIC LIQUIDS Exempt per 8-5-117. Low vapor pressure						
POC	BAAQMD 8-5-117 & Condition 20773, Part 1	Y		Exemption from Regulation 8-5 when true vapor pressure is less than 25.8 mm Hg (0.5 psia).	BAAQMD 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**						
	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
	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 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 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 – BB.29
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 Regulation 8, Rule 5 - Organic Compounds - STORAGE OF ORGANIC LIQUIDS **Exempt per 8-5-117. Low vapor pressure**						
POC	BAAQMD 8-5-117 & Condition 20773, Part 1	Y		Exemption from Regulation 8-5 when true vapor pressure is less than 25.8 mm Hg (0.5 psia).	BAAQMD 2-6-409.2 & Condition 20773, Part 2	P/E	Vapor pressure determination upon material change
	40 CFR 60, Subpart Kb - NSPS for VOL Storage Vessels at Petroleum Refineries **40 CFR 63, Subpart CC – National Emission Standards for Hazardous Air Pollutants for 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

Table VII – BB.30
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 Regulation 8, Rule 5 - Organic Compounds - STORAGE OF ORGANIC LIQUIDS **Exempt per 8-5-117. Low vapor pressure**						
POC	BAAQMD 8-5-117 & Condition 20773, Part 1	Y		Exemption from Regulation 8-5 when true vapor pressure is less than 25.8 mm Hg (0.5 psia).	BAAQMD 2-6-409.2 & Condition 20773, Part 2	P/E	Vapor pressure determination upon material change
NONE	**63 Subpart CC – NESHAPS for Petroleum Refineries** **NO MONITORING REQUIREMENTS FOR GROUP 2 WASTEWATER SOURCES**						

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – CC.1
Applicable Limits and Compliance Monitoring Requirements
S452, S453, S455, S457, S458, S500, COOLING TOWERS

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD Regulation 6-301	Y		Ringelmann No. 1 for no more than 3 minutes/hour	None	N	None
FP	BAAQMD 6-310	Y		0.15 grain/dscf	None	N	None
	BAAQMD 6-311	Y		40 lb/hr	None	N	None
PM				None	BAAQMD Condition 22121, part 4	P/M	Analysis total dissolved solids
Organic com-pounds	BAAQMD 8-2-301	Y		300 ppm as carbon and 15 lb organic compounds/day	BAAQMD Condition 22121, part 1	P/D	Visual inspection
Organic com-pounds	BAAQMD 8-2-301	Y		300 ppm as carbon and 15 lb organic compounds/day	BAAQMD Condition 22121, part 2	P/3 times per week	Analysis of chlorine content
	BAAQMD 8-2-301	Y		300 ppm as carbon and 15 lb organic compounds/day	BAAQMD Condition 22121, part 6	P/E, after 4 weeks of indication of hydrocarbon leak	Estimate of daily VOC loss
	BAAQMD 8-2-301	Y		300 ppm as carbon and 15 lb organic compounds/day	BAAQMD Condition 22121, part 2	P/M	VOC analysis
Chloro-form				None	BAAQMD Condition 22121, part 3	P/M	Records of NaOCl usage

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – CC.2
Applicable Limits and Compliance Monitoring Requirements
S456, COOLING TOWER

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD Regulation 6-301	Y		Ringelmann No. 1 for no more than 3 minutes/hour	None	N	None
FP	BAAQMD 6-310	Y		0.15 grain/dscf	None	N	None
PM				None	BAAQMD Condition 22122, part 2	P/M	Analysis total dissolved solids
Organic com-pounds	BAAQMD 8-2-301	Y		300 ppm as carbon and 15 lb organic compounds/day	BAAQMD Condition 22122, part 1	P/D	Visual inspection
				None	BAAQMD Condition 22122, part 4	P/E, after 4 weeks of indication of hydrocarbon leak	Estimate of daily VOC loss

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 (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 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 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

VIII. Test Methods

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 (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 (60, Appendix A)
8-18	Fugitive Emission Monitoring Requirements	EPA Method 21

VIII. Test Methods

Table VIII
Test Methods

Applicable Requirement	Description of Requirement	Acceptable Test Methods
8-44-304.1	POC emission rate limitation during marine tank vessel loading	Manual of Procedures, ST-34, Bulk Marine Loading Terminals, Vapor Recovery Units or EPA Method 25, Determination of Total Gaseous Nonmethane Organic Emissions , or EPA Method 25A, Determination of Total Gaseous Organic Concentration Using a Flame Ionization Analyzer, or alternate method approved in writing by the APCO and U.S. EPA
8-44-305	Tank vessel is leak free and gas tight	EPA Method 21, Determination of Volatile Organic Compounds Leaks
8-44-603	Leak Tests and Gas Tight Determinations	EPA Method 21, Determination of Volatile Organic Compounds Leaks
8-44-604	Flash Point Determinations	ASTM Standard Test Method D56 ("Standard Test Method for Flash Point by Tag Closed Cup Tester") or ASTM Standard Test Method D93 ("Standard Test Methods for Flash Point by Pensky-Martens Closed Cup Tester"), whichever is applicable, or by an alternate method approved in writing by the APCO and U.S. EPA.
SIP Regulations		
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, Determination of Volatile Organic Compounds Leaks
8-44-603	Leak Tests and Gas Tight Determinations	EPA Method 21, Determination of Volatile Organic Compounds Leaks
BAAQMD Regulations		
9-1-301, 9-2-301, 9-1-604	Ground Level Monitoring	Manual of Procedures, Volume VI, Section 1, Area Monitoring
9-1-501, 9-1-502, 9-2-501	Continuous Monitoring	Manual of Procedures, Volume 5, Continuous Monitoring

VIII. Test Methods

Table VIII
Test Methods

Applicable Requirement	Description of Requirement	Acceptable Test Methods
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)**	
60.18(c)(1)	Visible emission monitoring	EPA Method 22: Visible Emissions
40 CFR 60, Subpart Db	**Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units (3/13/00)**	
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)**	
60.104(a)(1)	Fuel Gas H2S Concentration Limit	60 Appendix B, Performance Specification 7 and Method 11 for Relative Accuracy
60.106(f)(3)	H2S concentration monitoring	EPA Method 3: O2
60.106(f)(1)	SO2 concentration monitoring	EPA Method 6: SO2
60.106(e)	H2S concentration monitoring	EPA Method 11: H2S
60.106(f)(2)	TRS concentration monitoring	EPA Method 15: Total Reduced Sulfur

VIII. Test Methods

Table VIII
Test Methods

Applicable Requirement	Description of Requirement	Acceptable Test Methods
40 CFR 60, Subpart Kb	**Standards of Performance for Volatile Organic Liquid Storage Vessels**	
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)
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
60.113b (b)(4)(i)	NSPS Subpart Kb External Floating Roof Tank primary rim seal gap measurement	40 CFR 60, Subpart Kb 60.113b(b)(1) through 60.113b(b)(3) Testing and Procedures
60.113b (b)(4)(ii)	NSPS Subpart Kb External Floating Roof Tank secondary rim seal gap measurement	40 CFR 60, 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
60, Appendix A	Inspection Procedures	EPA Reference Method 21

VIII. Test Methods

Table VIII
Test Methods

Applicable Requirement	Description of Requirement	Acceptable Test Methods
40 CFR 60, Subpart VV	**Standards of Performance for Equipment Leaks of VOC in SOCMI**	
60.482-2(b)(1)	Pumps in light liquid service – leak detection	40 CFR 60, Appendix A, Method 21 as specified in 60 Subpart VV 60.485(b)
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 60 Subpart VV 60.485(c)
60.482-3	Compressors designated for "no detectable emission" – leak detection	40 CFR 60, Appendix A, Method 21 as specified in 60 Subpart VV 60.485(c)
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 60 Subpart VV 60.485(c)
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 60 Subpart VV 60.485(b)
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 60 Subpart VV 60.485(c)
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)
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 60 Subpart VV 60.485(b)
60.483-2	Individual valves meeting criteria for skip period leak detection – leak detection	40 CFR 60, Appendix A, Method 21 as specified in 60 Subpart VV 60.485(b)
40 CFR 60, Subpart QQQ	**Standards of Performance For Petroleum Refinery Wastewater Systems**	

VIII. Test Methods

Table VIII
Test Methods

Applicable Requirement	Description of Requirement	Acceptable Test Methods
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.
60.696	Leak inspection procedures	EPA reference method 21 (40 CFR 60, Appendix A), Determination of Volatile Organic Compound Leaks
40 CFR 63, Subpart CC	**National Emissions Standards for Hazardous Air Pollutants from Petroleum Refineries – General Standards**	
63.646(a) 63.120(b)(3) 63.120(b)(5)	Refinery MACT (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
63.646(a) 63.120(b)(4) 63.120(b)(6)	Refinery MACT (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
California Air Resources Board (CARB)		
BAAQMD Condition 18680, Part 2	Gasoline dispensing facility leak test	CARB Test Procedure TP201.1B: "Rotatable Adaptor Torque 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"
BAAQMD Conditions		
Condition 4336, part 4	Leak test	EPA Method 21, Determination of Volatile Organic Compounds Leaks

VIII. Test Methods

Table VIII
Test Methods

Applicable Requirement	Description of Requirement	Acceptable Test Methods
Condition 4336, part 9	POC emission rate limitation during barge loading	Manual of Procedures, ST-34, Bulk Marine Loading Terminals, Vapor Recovery Units or EPA Method 25, Determination of Total Gaseous Nonmethane Organic Emissions , or EPA Method 25A, Determination of Total Gaseous Organic Concentration Using a Flame Ionization Analyzer, or alternate method approved in writing by the APCO and U.S. EPA
Condition 4336, part 11	Alternative monitoring for compliance with 40 CFR 60.104(a)(1) H2S limit	ASTM Method 4913-00, Standard Practice for Determining Concentration of Hydrogen Sulfide by Reading Length of Stain, Visual Chemical Detectors

IX. PERMIT SHIELD

A. Non-applicable Requirements

Pursuant to District Regulations 2-6-233 and 2-6-409.12, the federally enforceable regulations and/or standards cited in the following table[s] do not apply to the source or group of sources identified at the top of the table[s]. Enforcement actions and litigation may not be initiated against the source or group of sources covered by this shield based on the regulatory and/or statutory provisions cited, as long as the reasons listed below remain valid for the source or group of sources covered by this shield.

Table IX A - 1
Permit Shield for Non-applicable Requirements
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).
60.692-3(b)	This subsection of NSPS Subpart QQQ requires vents on oil-water separators to be routed through a closed vent system to a control device. The applicant's separator has a fixed roof that is in full contact with the liquid and does not contain any vents. As indicated in Table IV-C, applicant is subject to BAAQMD Regulation 8-8-302.1, which requires a "solid, vapor-tight, full contact cover which totally encloses the separator tank, chamber or basin (compartment) liquid contents, with all cover openings closed and sealed." Since no vents exist, there is nothing to route to a control device, so this subsection of Subpart QQQ does not apply.

IX. Permit Shield

Table IX B - 2
Permit Shield for Subsumed Requirements
S352 – COMBUSTION TURBINE
S353 – COMBUSTION TURBINE
S354 – COMBUSTION TURBINE

Subsumed Requirement Citation	Title or Description	Streamlined Requirements	Title or Description
NSPS Subpart GG, 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: 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, 60.334(b)	Monitor nitrogen content of the fuel being fired in the turbine.	Proposed Subpart GG Amendments: 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, 60.334(c)(1)	Definition of excess nitrogen oxide emissions for purposes of reports under 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: 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):	May 27, 2004
Reopening (Application 9296):	December 16, 2004
Minor Revision (Application 10871):	April 12, 2005
Reopening (Application 11699):	April 12, 2005
Minor Revision (Application 10622):	January 5, 2006
Minor Revision (Application 12995):	January 5, 2006
Significant Revision (Application 11626):	January 5, 2006
Minor Revision (Application 10115):	March 2, 2006
Minor Revision (Application 12217):	March 2, 2006
Reopening (Application 12433)	November 20, 2006
Reopening (Application 12601)	November 20, 2006
Significant Revision (Application 13691)	January 18, 2007
Minor Revision (Application 12931)	October 15, 2007

IX. Permit Shield

Administrative Amendments (no application)

Change Responsible Official from J. Michael Kenney to Rand Swenson

Change Facility Contact from Valerie Uyeda to Jennifer Ahlskog

Change District Contact from Brenda Cabral to Sanjeev Kamboj

Add names of equipment to headers for Conditions 383, 1440, 6725, 7353, 7523, 12121, 12122, 12124, 12125, 12127, 12129-12133, 12245, 13184, 16677, 18251, 18629, 18680, 19278, 19476, 19488, 20773, 21092, and 21235

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. contains the implementing regulations for federal environmental statutes such as the Clean Air Act. Parts 50-99 of contain the requirements for air pollution programs.

CO
Carbon Monoxide

CO2
Carbon Dioxide

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

DAF
A "dissolved air flotation" unit is a process vessel where air bubbles injected at the bottom of the vessel are used to carry solids in the liquid into a froth on the liquid surface, where it is removed.

DWT
Dead Weight 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

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 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 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 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
Methyl Tertiary Butyl Ether

NA
Not applicable

NAAQS
National Ambient Air Quality Standards

NESHAPs
National Emission Standards for Hazardous Air Pollutants. See in 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 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 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 72 from Titles IV and V of the Clean Air Act.

POC
Precursor Organic Compounds

PM

Total Particulate Matter

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

Process Unit
For the purpose of startup and shutdown reporting, a process unit is defined as found in Part 60 Subpart GGG:

> Process Unit means components assembled to produce intermediates or final products from petroleum, unfinished petroleum derivatives, or other intermediates; a process unit can operate independently if supplied with sufficient feed or raw materials and sufficient storage facilities for the product.

PSD
Prevention of Significant Deterioration. A federal program for permitting new and modified sources of 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 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

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

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

SO2

Sulfur dioxide

SO2 Bubble
An SO2 bubble is an overall cap on the SO2 emissions from a defined group of sources, or from an entire facility. SO2 bubbles are sometimes used at refineries because combustion sources are typically fired entirely or in part by "refinery fuel gas" (RFG), a waste gas product from refining operations. Thus, total SO2 emissions may be conveniently quantified by monitoring the total amount of RFG that is consumed, and the concentration of H2S and other sulfur compounds in the RFG.

SO3
Sulfur trioxide

SRU
Sulfur Recovery Unit

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

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

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
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