Bay Area Air Quality Management District

375 Beale Street, Suite 600
San Francisco, CA 94105
(415) 771-6000

Final

MAJOR FACILITY REVIEW PERMIT

Issued To:

Phillips 66– 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**
Mark Evans, Refinery Manager	Brent Eastep, Senior Environmental Consultant
510 245 4415	510 245 4672

Type of Facility:	Petroleum refinery	BAAQMD Engineering Division Contact:
Primary SIC:	2911	M.K. Carol Lee
Product:	Refined petroleum products	

ISSUED BY THE BAY AREA AIR QUALITY MANAGEMENT DISTRICT

Signed by Pamela J. Leong
Pamela J. Leong, Director of Engineering

December 27, 2018
Date

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I. STANDARD CONDITIONS

A. Administrative Requirements

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

BAAQMD Regulation 1 - General Provisions and Definitions
(as amended by the District Board on 5/4/11);

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 12/7/17);

SIP Regulation 2, Rule 1 - Permits, General Requirements
(as approved by EPA through 8/1/16);

BAAQMD Regulation 2, Rule 2 - Permits, New Source Review
(as amended by the District Board on 12/7/17);

SIP Regulation 2, Rule 2 - Permits, New Source Review and Prevention of Significant Deterioration
(as approved by EPA through 8/1/16);

BAAQMD Regulation 2, Rule 4 - Permits, Emissions Banking
(as amended by the District Board on 12/6/17);

SIP Regulation 2, Rule 4 - Permits, Emissions Banking
(as approved by EPA on 12/4/17);

BAAQMD Regulation 2, Rule 5 – New Source Review of Toxic Air Contaminants
(as amended by the District Board on 12/07/16);

BAAQMD Regulation 2, Rule 6 - Permits, Major Facility Review
(as amended by the District Board on 12/6/17); and

SIP Regulation 2, Rule 6 – Permits, Major Facility Review
(as approved by EPA through 6/23/95)

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

1. This Major Facility Review Permit was issued on January 25, 2018, and expires on January 24, 2023. The permit holder shall submit a complete application for renewal of this Major Facility Review Permit no later than July 24, 2023 and no earlier than January 24, 2023. **If a complete application for renewal has not been submitted in accordance with this deadline, the facility may not operate after January 24, 2023.** If the permit renewal has not been issued by January 24, 2023, 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 with such term or

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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. (Regulation 2-6-409.20, MOP Volume II, Part 3, §4.11)
12. The permit holder is responsible for compliance, and certification of compliance, with all conditions of the permit, regardless whether it acts through employees, agents, contractors, or subcontractors. (Regulation 2-6-307)

C. Requirement to Pay Fees

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

D. Inspection and Entry

Access to Facility: The permit holder shall provide reasonable access to the facility and

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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, 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 by e-mail to compliance@baaqmd.gov or by postal mail to the following address:

Director of Compliance and Enforcement
Bay Area Air Quality Management District
375 Beale Street, Suite 600
San Francisco, CA 94105
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. The certification period will be January 1st to December 31st. The ceritification shall be submitted by January 31st of each year. The certification must list each applicable requirement, the compliance status, whether compliance was continuous or intermittent, the method used to determine compliance, and any other specific information required by the permit. The 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 by email to r9.aeo@epa.gov or postal mail to the Environmental Protection Agency at the following address:

Director
Enforcement Division, TRI & Air Section (ENF-2-1)
USEPA, Region 9

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75 Hawthorne Street
San Francisco, CA 94105

(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. These throughput limits function as reporting thresholds only and exceedance of any of these limits does not constitute noncompliance with the MFR permit. As such, exceedance of a grandfathered limit is not subject to Section I.F reporting requirements. Exceedance of a grandfathered limit does not establish a presumption that a modification has occurred, nor does compliance with the limit establish a presumption that a modification has not occurred. The facility must report any exceedance of these limits in the form of a permit application within 30 days of discovery to facilitate the determination of whether a modification has occurred. The applications shall be sent to the following address:

Air Quality Engineering Manager
Bay Area Air Quality Management District
375 Beale Street, Suite 600
San Francisco, CA 94105-2001
Attn: Permit Evaluation Section, Title V Reports

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3. [Reserved]

4. Where an applicable requirement allows multiple compliance options and where more than one such option is incorporated into the permit, the permit holder must maintain records indicating the selected compliance option. Such records at a minimum shall indicate when any change in options has occurred. In addition, 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.

9. In accordance with Condition 20989 part 2, the owner/operator shall notify the District no less than three calendar days in advance of any scheduled startup or shutdown of a process unit and within 48 hours or within the next normal business day of any unscheduled startup or shutdown of a process unit.

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)	Petro-Chem	process heater	53 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)	Petro-Chem	process heater	64 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
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
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

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
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
45	U246 B-801 A/B Heater (refinery fuel gas, natural gas)			85 MMbtu/hr
50	Diesel Engine (turbine S352 startup)	Allis-Chalmers	6138	435 hp
51	Diesel Engine (turbine S353 startup)	Allis-Chalmers	6138	435 hp
52	Diesel Engine (turbine S354 startup)	Allis-Chalmers	6138	435 hp
53	SPP Emergency Generator G-27 (diesel fuel)	Cummins	6B-5.9	97 hp
56	Pump Station 4 G-201A Emergency Engine (diesel fuel)	Caterpillar	3406	370 hp
57	Pump Station 4 G-201B Emergency Engine (diesel fuel)	Caterpillar	3406	370 hp
58	Pump Station 4 G-422A Emergency Engine (diesel fuel)	Caterpillar	3406	370 hp
59	Pump Station 4 G-422B Emergency Engine (diesel fuel)	Caterpillar	3406	370 hp
97	Tank 100	external floating roof	crude oil	298 thousand bbl
98	Tank 101	external floating roof	Petroleum liquids	170 thousand barrels
100	Tank 103	external floating roof	ship ballast	47 thousand bbl
101	Storm Water Equalization Tank T-104	external floating roof	stormwater	5.5 million gal
102	Storm Water Equalization Tank T-105	external floating roof	stormwater	5.5 million gal
106	Storm Water Equalization Tank T-130	external floating roof	stormwater	10.6 million gal
107	Tank 150	external floating roof	crude oil	68 thousand bbl
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
122	Tank 167	external floating roof	naphtha	3.1 million gal
123	Tank 168	external floating roof	naphtha	75 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
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 domed roof	Petroleum Liquid	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
168	Tank 269	Fixed roof	Non-phenolic water	39 thousand bbl
173	Tank 280	Fixed roof	Gas oil	134 thousand bbl
174	Tank 281	Fixed roof	Gas oil	134 thousand bbl
175	Tank 284	Fixed rood	Gas oil	134 thousand bbl
177	Tank 287	external floating roof	gasoline	104 thousand bbl
178	Tank 288	external floating roof	diesel	104 thousand bbl
182	Tank 294	fixed roof	naphtha	40 thousand bbl
183	Tank 295	external floating roof	naphtha	13 thousand bbl
184	Tank 296	external floating roof	naphtha	70 thousand bbl
186	Tank 298	external floating roof	naphtha	47 thousand bbl
194	Tank 306	fixed roof	dye	2,000 gal
195	Water Treatment Sludge Tank T-501	fixed-roof	sludge	2,500 bbl
216	Tank 695	external floating roof	naphtha	2.0 million gal
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

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
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	U229 Light Naphtha Hydrotreater	NA	NA	12,198 bbl/day monthly average
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	S307 + S434 $\leq$ 69,000 bbl/day
308	U244 Reforming Unit	NA	NA	18,500 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
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

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
340	Tank 108	external floating roof	crude oil	200 thousand bbl
341	Tank 208	external floating roof	Petroleum Liquid	103 thousand bbl
342	Tank 209	external floating roof	Petroleum Liquid	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
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

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
387	Wet Air Regeneration (P-202)	Zimpro		15 gpm
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 or gas oil: 51,182 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 oilor gas oil: 51,182 bbl/day annual average for S425, S426 total
432	U215 Deisobutanizer			10,200 bbl/day
433	MOSC Storage Tank	fixed roof		30,000 gal
434	U246 High Pressure Reactor Train (Cracking)			27,000 bbl/day annual daily average (9,855,000 bbl per consecutive 12 months period)
435	Reformate Splitter			18,100 bbl/day
436	Deisopentanizer			13,400 bbl/day
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	Crude oil, gasoline, others	161 thousand bbl
440	Tank 110 (Alkylate)	external floating roof	alkylate	161 thousand bbl
442	Tank 112	external floating roof	crude oil, gas oil	161 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
444	Tank 243	external floating roof	gasoline, others	113 thousand bbl
445	Tank 271 (Cracked Naphtha)	fixed roof 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, diesel, 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
453	U236 Cooling Tower	Induced draft	Unknown	13,500 gpm
455	U240 Cooling Tower	Induced draft	Unknown	33,000 gpm
460	U250 Diesel Hydrotreater	NA	NA	35,000 bbl/day monthly average
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
465	Molten Sulfur Pit	NA	NA	200 long ton/day
503	Sulfur Storage Tank			471 long ton/day sulfur
504	Sulfur Degassing			400 long tons/day sulfur
505	Sulfur Truck Loading Rack			200 gpm sulfur
506	Tank 257	fixed roof	heavy unicrackate	80 thousand bbl
507	Tank 21, Unit 76 Active Skimmer System	fixed roof		450 gallons
1002	Sulfur Plant Unit 236 (including aux. burner, water stripper)		Claus	106.3 long ton/day; 201 long ton/day for S1002 and S1003 combined
1003	Sulfur Plant Unit 238 (including aux. burner)		Claus	134.5long ton/day; 201 long ton/day for S1002 and S1003 combined
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
1009	U100 Main Stormwater Basin			7.2 MMgal
1010	Sulfur Plant Unit 235 (including aux. burner)		Claus	200 long ton/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
1012	Fire Training Fluid Tank	fixed roof	E-III Industrial Grade	8000 gallon

Table II B – Abatement Devices

A#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
2	Sulfur Plant Tail-Gas Treatment Plant (Beavon-Stretford)	S1002 tailgas. 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
2	Sulfur Plant Tail-Gas Treatment Plant (Beavon-Stretford)	S1002 tailgas. S302	BAAQMD 6-1-330 and SIP 6-330	none	0.08 grain/dscf exhaust concentration of SO3 and H2SO4, expressed as 100% H2SO4
2	Sulfur Plant Tail-Gas Treatment Plant (Beavon-Stretford)	S1002 tailgas. S302	40 CFR 60.102a(f)(1)(i)	none	SO2 < 250 ppm at 0% O2
2	Sulfur Plant Tail-Gas Treatment Plant (Beavon-Stretford)	S1002 tailgas. S302	40 CFR 63.1568(a)(1)(i)	none	SO2 < 250 ppm at 0% O2
3	Sulfur Plant Tail-Gas Treatment Plant (Beavon-Stretford)	S1003 tailgas. 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
3	Sulfur Plant Tail-Gas Treatment Plant (Beavon-Stretford)	S1003 tailgas. S303	BAAQMD 6-1-330 and SIP 6-330	none	0.08 grain/dscf exhaust concentration of SO3 and H2SO4, expressed as 100% H2SO4
3	Sulfur Plant Tail-Gas Treatment Plant (Beavon-Stretford)	S1003 tailgas. S303	40 CFR 60.102a(f)(1)(i)	none	SO2< 250 ppm at 0% O2
3	Sulfur Plant Tail-Gas Treatment Plant (Beavon-Stretford)	S1003 tailgas. S303	40 CFR 63.1568(a)(1)(i)	none	SO2< 250 ppm at 0% O2
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 (4 electrically driven compressors)	Tanks S135, S137. S139, S140, S168, S173, S174, S175, S182, S433, S445, S446, S447, S506	BAAQMD 7-301, 7-302, 7-303	none	nuisance odors
7	Vapor Recovery System (4 electrically driven compressors)	S135, S137, S139, S140, S168, S173, S174, S175, S182, S360, S449, S506	BAAQMD 8-5-306	None	95% overall control of emissions
7	Vapor Recovery System (4 electrically driven compressors)	S449	BAAQMD Condition 11219	None	vent emissions to the refinery fuel gas system
7	Vapor Recovery System (4 electrically driven compressors)	S433	BAAQMD Condition 7353	None	vent emissions to the refinery fuel gas system
7	Vapor Recovery System (4 electrically driven compressors)	S445	BAAQMD Condition 12130	None	vent emissions to the refinery fuel gas system
7	Vapor Recovery System (4 electrically driven compressors)	S446	BAAQMD Condition 12131	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
7	Vapor Recovery System (4 electrically driven compressors)	S447	BAAQMD Condition 12132	None	vent emissions to the refinery fuel gas system
7	Vapor Recovery System (4 electrically driven compressors)	S182	BAAQMD Condition 13184	None	vent emissions to the refinery fuel gas system
7	Vapor Recovery System (4 electrically driven compressors)	S135, S137, S139, S140, S168, S173, S174, S175, S182, S360, S445, S449, S506, Tank 235, Tank 236	BAAQMD Condition 23724	Pressure	Various pressure settings between 1.7 and 2.2 inches of water
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 6-1-330 and SIP 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
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 6-1-330 and SIP 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
10	Stretford Evaporative Cooler		BAAQMD 6-1-330 and SIP 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

II. Equipment

Table II B – Abatement Devices

A#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
13	SCR System	S352, S355	BAAQMD Condition 12122, Part 9b (effective when offsets are required pursuant to Application 13424	NOx CEM	66 lb/hr NOx (3 hr average), 79.8 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 and SIP 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
14	SCR System	S353, S356	BAAQMD Condition 12122, Part 9b (effective when offsets are required pursuant to Application 13424	NOx CEM	66 lb/hr NOx (3 hr average), 79.8 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 and SIP 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 9b (effective when offsets are required pursuant to Application 13424	NOx CEM	66 lb/hr NOx (3 hr average), 79.8 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 and SIP 9-9-301	NOx , CO, and O2 (or CO2) CEM	9 ppmv NOx at 15% O2

II. Equipment

Table II B – Abatement Devices

A#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
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)
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 6-1-301 6-1-305 6-1-310 6-1-311 SIP Regulations 6-301 6-305 6-310 6-311 BAAQMD Condition 18251	differential pressure	normal range
36	SCR System	S36	BAAQMD Condition 21097, Part 3b	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
47	SCR System	S45	BAAQMD Condition 22962, part 4a and 6a	CEM	2.3 ton/yr NOx; 5 ppmv NOx at 3% O2 (3-hr average)
48	Tail gas treatment unit	S1010	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
48	Tail gas treatment unit	S1010	BAAQMD 6-1-330	None	0.08 grain/dscf exhaust concentration of SO3 and H2SO4, expressed as 100% H2SO4
48	Tail gas treatment unit	S1010	40 CFR 60.102a(f)(1)(i)	None	SO2 < 250 ppm at 0% O2
48	Tail gas treatment unit	S1010	40 CFR 63.1568(a)(1)(i)	None	SO2 < 250 ppm at 0% O2
48	Tail gas treatment unit	S1010	BAAQMD Condition 23125, part 7a	None	SO2 < 50 ppmv @ 0% O2
48	Tail gas treatment unit	S1010	BAAQMD Condition 23125, part 11a	None	SO2 < 29.7 tons per year
49	DAF (S1007) Thermal Oxidizer (440,000 btu/hr, natural gas and approximately 200,000 btu/hr in organic vapors)	S1007	BAAQMD Condition 1440, part 7a	1445 F	44 tons per year VOC reduction

II. Equipment

Table II B – Abatement Devices

A#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
51	DAF (S1007) Carbon Bed	S1007	BAAQMD Condition 1440, part 7c	FID	10 ppm VOC or 98% reduction of VOC
53	Thermal Oxidizer (7.5 MMBtu/hr)	S324	BAAQMD 8-8-302.3	1400 F	Combined collection and destruction efficiency of 95% or greater
53	Thermal Oxidizer (7.5 MMBtu/hr)	S324	40 CFR 60.692-5(a)	1400 F	Destruction efficiency of 95% or greater
53	Thermal Oxidizer (7.5 MMBtu/hr)	S324	BAAQMD Condition 26069, part 4	1400 F	Destruction efficiency of 95% or greater
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

II. Equipment

Table II B – Abatement Devices

A#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
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
422	Tail-Gas Incinerator (19.5 MMbtu/hr, RFG)	A2	BAAQMD 6-1-301 SIP 6-301	none	Ringelmann 1 for < 3 min/hr
422	Tail-Gas Incinerator (19.5 MMbtu/hr, RFG)	A2	BAAQMD 6-1-310 SIP 6-310	none	0.15 gr/dscf
422	Tail-Gas Incinerator (19.5 MMbtu/hr, RFG)	A2	BAAQMD 6-1-311 SIP 6-311	none	$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr
422	Tail-Gas Incinerator (19.5 MMbtu/hr, RFG)	A2	BAAQMD 6-1-330 SIP 6-330	none	0.08 grain/dscf exhaust concentration of SO3 and H2SO4, expressed as 100% H2SO4
422	Tail-Gas Incinerator (19.5 MMbtu/hr, RFG)	A2	40 CFR 60.102a(f)(1)(i)	none	SO2 < 250 ppm at 0% O2

II. Equipment

Table II B – Abatement Devices

A#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
422	Tail-Gas Incinerator (19.5 MMbtu/hr, RFG)	A2	40 CFR 63.1568(a)(1)(i)	none	SO2 < 250 ppm at 0% O2
423	Tail-Gas Incinerator (19.5 MMbtu/hr, RFG)	A3	BAAQMD 6-1-301 SIP 6-301	none	Ringelmann 1 for < 3 min/hr
423	Tail-Gas Incinerator (19.5 MMbtu/hr, RFG)	A3	BAAQMD 6-1-310 SIP 6-310	none	0.15 gr/dscf
423	Tail-Gas Incinerator (19.5 MMbtu/hr, RFG)	A3	BAAQMD 6-1-311 SIP 6-311	none	$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr
423	Tail-Gas Incinerator (19.5 MMbtu/hr, RFG)	A3	BAAQMD 6-1-330 SIP 6-330	none	0.08 grain/dscf exhaust concentration of SO3 and H2SO4, expressed as 100% H2SO4
423	Tail-Gas Incinerator (19.5 MMbtu/hr, RFG)	A3	40 CFR 60.102a(f)(1)(i)	none	SO2 < 250 ppm at 0% O2
423	Tail-Gas Incinerator (19.5 MMbtu/hr, RFG)	A3	40 CFR 63.1568(a)(1)(i)	none	SO2 < 250 ppm at 0% O2
424	Tail-Gas Incinerator (19.5 MMbtu/hr, natural gas)	A48	6-1-301	none	Ringelmann 1 for < 3 min/hr
424	Tail-Gas Incinerator (19.5 MMbtu/hr, natural gas)	A48	6-1-310	none	0.15 gr/dscf
424	Tail-Gas Incinerator (19.5 MMbtu/hr, natural gas)	A48	6-1-311	none	40 lb/hr

II. Equipment

Table II B – Abatement Devices

A#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
424	Tail-Gas Incinerator (19.5 MMbtu/hr, natural gas)	A48	6-1-330	none	0.08 grain/dscf exhaust concentration of SO3 and H2SO4, expressed as 100% H2SO4
424	Tail-Gas Incinerator (19.5 MMbtu/hr, natural gas)	A48	40 CFR 60.102a(f)(1)(i)	CEM	SO2 < 250 ppm at 0% O2
424	Tail-Gas Incinerator (19.5 MMbtu/hr, natural gas)	A48	40 CFR 63.1568(a)(1)(i)	CEM	SO2 < 250 ppm at 0% O2
424	Tail-Gas Incinerator (19.5 MMbtu/hr, natural gas)	A48	BAAQMD Condition 23125, part 7a	CEM	SO2 < 50 ppmv @ 0% O2
424	Tail-Gas Incinerator (19.5 MMbtu/hr, natural gas)	A48	BAAQMD Condition 23125, part 11a	CEM	SO2 < 29.7 tons per year
424	Tail-Gas Incinerator (19.5 MMbtu/hr, natural gas)	A48	BAAQMD Condition 23125, part 7a	CEM	CO < 75 ppmvd @ 7% O2
424	Tail-Gas Incinerator (19.5 MMbtu/hr, natural gas)	A48	BAAQMD Condition 23125, part 11c	CEM	CO < 37.9 ton per year
424	Tail-Gas Incinerator (19.5 MMbtu/hr, natural gas)	A48	BAAQMD Condition 23125, part 8b	1496°F	H2S < 2.5 ppmv @ 0% O2
424	Tail-Gas Incinerator (19.5 MMbtu/hr, natural gas)	A48	BAAQMD Condition 23125, part 9b	1496°F	H2S < 0.23 lb/hr
424	Tail-Gas Incinerator (19.5 MMbtu/hr, natural gas)	A48	BAAQMD Condition 23125, part 11h	1496°F	H2S < 0.975 tons per year

II. Equipment

Table II B – Abatement Devices

A#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
424	Tail-Gas Incinerator (19.5 MMbtu/hr, natural gas)	A48	BAAQMD Condition 23125, part 11i	1496°F	Total Reduced Sulfur < 10 tons per year
424	Tail-Gas Incinerator (19.5 MMbtu/hr, natural gas)	A48	BAAQMD Condition 23125, part 11j	1496°F	Reduced Sulfur Compounds < 10 tons per year
461	SCR System	S461	BAAQMD Condition 21096, Part 3b	NOx, O2 CEM	10 ppmv NOx at 3% O2 (3-hr average)
S1003	Sulfur Plant Unit 238	S503, S504, S505	BAAQMD Condition 23125, part 4	None	
S1010	Sulfur Plant Unit 235	S503, S504, S505	BAAQMD Condition 23125, part 4	None	
S1010	Sulfur Plant Unit 235	Steam strippers at SRUs	BAAQMD Condition 23125, part 8a	None	NH3 < 12.5 ppmv @ 7% O2, 24-hr basis
S1010	Sulfur Plant Unit 235	Steam strippers at SRUs	BAAQMD Condition 23125, part 9c	None	NH3 < 0.88 lb/hr
S1010	Sulfur Plant Unit 235	Steam strippers at SRUs	BAAQMD Condition 23125, part 9c	None	NH3 < 3.85 tons per year

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

II. Equipment

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
94	Tank 78	BAAQMD 2-1-123.3.10
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
127	Tank 173	BAAQMD 2-1-123.3.2, BAAQMD 2-1-123.3.3
136	Tank 201	BAAQMD 2-1-123.3.2
138	Tank 203	BAAQMD 2-1-123.3.3
169	Tank 270	BAAQMD 2-1-123.3.2
179	Tank 291	BAAQMD 2-1-123.3.2
180	Tank 292	BAAQMD 2-1-123.3.2
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
204	Tank 528	BAAQMD 2-1-123.3.2
205	Tank 529	BAAQMD 2-1-123.3.2
209	Tank 674	BAAQMD 2-1-123.3.2
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
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

II. Equipment

Table II D – Sources Exempt from Permit Requirements

S#	Description	Basis for Exemption
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
Tank 235	Stripped Water Tank	BAAQMD 2-1-123.2
Tank 236	Stripped Water Tank	BAAQMD 2-1-123.2
	Tank 206	BAAQMD 2-1-123.3.2
	Tank 224	BAAQMD 2-1-123.3.3

III. GENERALLY APPLICABLE REQUIREMENTS

The permit holder shall comply with all applicable requirements, including those specified in the BAAQMD and SIP Rules and Regulations and other federal requirements cited below. These requirements apply in a general manner to the facility and/or to sources exempt from the requirement to obtain a District Permit to Operate. The District has determined that these requirements will not be violated under normal, routine operations, and that no additional periodic monitoring or reporting to demonstrate compliance is warranted. In cases where a requirement, in addition to being generally applicable, is also specifically applicable to one or more sources, the requirement and the source are also included in Section IV, Source-Specific Applicable Requirements, of this permit. 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 (5/4/11)	N
SIP Regulation 1	General Provisions and Definitions (6/28/99)	Y - note 1
BAAQMD Regulation 2, Rule 1	General Requirements (12/7/17)	N
BAAQMD 2-1-429	Federal Emissions Statement (12/21/04)	N
SIP Regulation 2-1-429	Federal Emissions Statement (4/3/95)	Y
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 (6/19/13)	N

III. Generally Applicable Requirements

Table III
Generally Applicable Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)
SIP Regulation 5	Open Burning (9/4/98)	Y - note 1
BAAQMD Regulation 6, Rule 1	Particulate Matter, General Requirements (12/05/07)	N
SIP Regulation 6	Particulate Matter and Visible Emissions (9/04/98)	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 (7/20/05)	N
SIP Regulation 8, Rule 2	Organic Compounds – Miscellaneous Operations (3/22/95)	Y
BAAQMD Regulation 8, Rule 3	Organic Compounds - Architectural Coatings (7/1/09)	N
SIP Regulation 8, Rule 3	Organic Compounds – Architectural Coatings (1/2/04)	Y
BAAQMD Regulation 8, Rule 4	Organic compounds - General Solvent and Surface Coating Operations (10/16/02)	Y
BAAQMD Regulation 8, Rule 15	Organic Compounds – Emulsified and Liquid Asphalts (6/1/94)	Y
BAAQMD Regulation 8, Rule 40	Organic Compounds – Aeration of Contaminated Soil and Removal of Underground Storage Tanks (6/15/05)	Y
SIP Regulation 8, Rule 40	Organic Compounds - Aeration of Contaminated Soil and Removal of Underground Storage Tanks (4/19/01)	Y
BAAQMD Regulation 8, Rule 47	Organic Compounds - Air Stripping and Soil Vapor Extraction Operations (6/15/05)	N
SIP Regulation 8, Rule 47	Organic Compounds - Air Stripping and Soil Vapor Extraction Operations (4/26/95)	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
SIP 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
BAAQMD Regulation 11, Rule 2	Hazardous Pollutants - Asbestos Demolition, Renovation and Manufacturing (10/7/98)	N

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 10	Hexavalent Chromium Emissions from All Cooling Towers and Total Hydrocarbon Emissions from Petroleum Refinery Cooling Towers (12/16/15)	N
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
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
California Health and Safety Code Title 17, Section 93115	Airborne Toxic Control Measure for Stationary Compression Ignition Engines	N
California Health and Safety Code Title 17, Section 93116	Airborne Toxic Control Measure for Diesel Particulate Matter from Portable Engines Rated at 50 Horsepower and Greater	N
40 CFR Part 61, Subpart M	National Emission Standards for Hazardous Air Pollutants – National Emission Standard for Asbestos (7/20/04)	Y
EPA Regulation 40 CFR 82	Protection of Stratospheric Ozone (12/28/07)	Y
Subpart F, 40 CFR 82.156	Recycling and Emissions Reductions – Required Practices	Y
Subpart F, 40 CFR 82.161	Recycling and Emissions Reductions – Technician Certification	Y
Subpart F, 40 CFR 82.166	Recycling and Emissions Reductions – Reporting and Recordkeeping Requirements	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 (5/4/2011)**		
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 (4/18/2012)**		
2-1-429	Federal Emissions Statement (12/21/04)	N	
SIP Regulation 2, Rule 1	**General Requirements (1/26/99)**		
2-1-429	Federal Emissions Statement	Y	
BAAQMD Regulation 2, Rule 9	**Interchangeable Emission Reduction Credits (06/15/2005)** **** To be deleted upon expiration of NOx IERCs**		
2-9-302	Use of IERC's	N	**
2-9-303	Alternative Compliance Plan using IERC's	N	**
2-9-304	Restrictions on the Use of IERC's	N	**
2-9-402	Complete IERC Banking Application	N	**
2-9-501	Monitoring and Record Keeping	N	**
BAAQMD Regulation 6, Rule 1	**Particulate Matter –General Requirements(12/05/07)**		
6-1-301	Ringelmann No. 1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310	Particle Weight Limitation	N	
6-1-310.3	Heat transfer operations	N	
6-1-311	Process Weight Rate Limits	Y	
6-1-401	Appearance of Emissions	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/04/98)**		
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	General Operations	Y	
6-401	Appearance of Emissions	Y	

IV. Source Specific Applicable Requirements

Table IV – All Sources
Facility-Specific Generally Applicable Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 2	**Organic Compounds, Miscellaneous Operations (7/20/05)**		
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 (10/16/02)**		
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 (8/26/03)**		
8-4-302	Solvent and Surface Coating Operations	Y-note 1	
BAAQMD Regulation 8, Rule 5	**Storage of Organic Liquids (10/18/06)**		
8-5-117	Limited Exemption, Low Vapor Pressure	N	
8-5-118	Limited Exemption, Gas Tight Requirement for approved emission control system in 8-5-306.2 does not apply if facility is subject to BAAQMD 8-18	N	
8-5-119	Limited Exemption, Repair Period for Enhanced Monitoring Program	N	
8-5-328	Tank Degassing Requirements	N	
8-5-328.1	Tank Degassing Requirements; Tanks > 75 cubic meters; Use 90% abatement device	N	
8-5-331	Tank cleaning requirements; 90% Abatement efficiency if abatement device used	N	
8-5-331.1	Tank cleaning requirements; Cleaning materials properties	N	
8-5-331.2	Tank cleaning requirements; Steam cleaning prohibition	N	
8-5-331.3	Tank cleaning requirements; Steam cleaning exceptions	N	
8-5-332	Sludge Handling Requirements (applies to sludge removed from any tank that was subject to BAAQMD 8-5 at any time since it was last put in service)	N	
8-5-332.1	Sludge Handling Requirements; sludge container no leaks	N	

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
8-5-332.2	Sludge Handling Requirements; sludge container gap requirements	N	
8-5-404	Inspection, Abatement Efficiency Determination and Source Test Reports	N	
8-5-411	Enhanced Monitoring Program (Optional)	N	
8-5-411.1	Enhanced Monitoring Program (Optional); Notify BAAQMD of tanks selected for enhanced monitoring program	N	
8-5-411.2	Enhanced Monitoring Program (Optional); Criteria for operating enhanced monitoring program	N	
8-5-501	Records	N	
8-5-501.3	Records; Retention	N	
8-5-501.4	Records; New PV setpoints	N	
8-5-502	Source test requirements and exemption for sources vented fuel gas	N	
8-5-502.2	Source test requirements; Tank degassing and cleaning abatement devices	N	
8-5-602	Analysis of Samples, True Vapor Pressure	Y	
8-5-603	Determination of Abatement Efficiency	N	
8-5-604	Determination of Applicability Based on True Vapor Pressure	Y	
8-5-606	Analysis of samples, Tank Cleaning Agents	N	
8-5-606.1	Analysis of samples, Tank Cleaning Agents; Initial Boiling Point	N	
8-5-606.2	Analysis of samples, Tank Cleaning Agents; True Vapor Pressure	N	
8-5-606.3	Analysis of samples, Tank Cleaning Agents; VOC	N	
SIP Regulation 8, Rule 5	**Storage of Organic Liquids (6/5/03)**		
8-5-117	Exemption, Low Vapor Pressure	Y	
8-5-118	Limited Exemption, Gas Tight Requirement for approved emission control system in 8-5-306.2 does not apply if facility is subject to BAAQMD 8-18	Y	
8-5-328	Tank Degassing Requirements	Y	
8-5-328.1.2	Tank Degassing Requirements; Tanks > 75 cubic meters; Concentration of <10,000 ppm as methane after degassing	Y	
8-5-404	Certification	Y	
8-5-502	Tank Degassing Annual Source Test Requirements	Y	
8-5-603	Determination of Emissions	Y	
8-5-603.2	Source test for tank degassing equipment	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 8, Rule 10	Organic Compounds – Pressure Vessel Depressurization (1/21/04)		
8-10-301	Process Vessel Depressurizing.	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 – note 2	
8-10-502	Concentration measurement using EPA Method 21	Y – note 2	
8-10-503	Recordkeeping	N	
SIP Regulation 8, Rule 10	Organic Compound – Process Vessel Depressurization (10/03/1984)		
8-10-301	Process Vessel Depressurizing.	Y	
8-10-301.1	recovery to the fuel gas system	Y	
8-10-301.2	combustion at a firebox or incinerator	Y	
8-10-301.3	combustion at a flare	Y	
8-10-301.4	containment such that emissions to atmosphere do not occur	Y	
8-10-401	Turnaround Records.	Y	
8-10-401.1	date of depressurization event	Y	
8-10-401.2	approximate vessel hydrocarbon concentration when emissions to atmosphere begin	Y	
8-10-401.3	approximate quantity of POC emissions to atmosphere	Y	
BAAQMD Regulation 8, Rule 15	**Emulsified and Liquid Asphalts (6/01/94)**	N	
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 (6/15/05)**		

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
8-40-116	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	
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)**		

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
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 Site Records	N	
11-2-504	Conversion Operations	N	
BAAQMD Regulation 11, Rule 10	Hexavalent Chromium Emissions from All Cooling Towers and Total Hydrocarbon Emissions from Petroleum Refinery Cooling Towers (12/16/15)	N	
11-10-104	Limited Exemption, Continuous Hydrocarbon Analyzers	N	
11-10-301	Hexavalent Chromium: Do not operate a cooling tower that uses hexavalent chromium chemicals	N	
11-10-304	Total Hydrocarbon Leak Monitoring Requirements	N	
11-10-305	Leak Action Requirement –if leak detection methods find total hydrocarbon concentrations greater than the applicable leak action level in 11-10-204, the owner/operator shall minimize the leak ASAP or within 5 calendar days and repair or remove from service within 21 calendar days and speciate and quantify the TACs associated with the leak	N	
11-10-401	Petroleum Refinery Cooling Tower Reporting Requirements: When the sampling of cooling tower water exceeds the applicable leak action level, the cooling tower owner/operator shall perform the specified actions	N	
11-10-402	Best Modern Practices – minimize total hydrocarbon emissions from cooling tower and equipment by employing best modern practices and data collection requirements	N	
11-10-504	Operating records – retain records of the results of all sampling and/or monitoring conducted and other required data for at least five years from the date of entry; if requesting exemption, must maintain records to prove exemption	N	
11-10-602	Total Hydrocarbon Analyzer Location	N	
11-10-603	Cooling Tower Water Lab Analysis Methodology	N	
11-10-604	Cooling Tower Water Sampling Methodology	N	

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
40 CFR 60, Subpart A	**New Source Performance Standards – General Provisions (12/01/15)**		
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	
60.16	Priority list	Y	
60.17	Incorporation by reference	Y	
60.19	General notification and reporting requirements	Y	
40 CFR 61, Subpart A	**National Emission Standards for Hazardous Air Pollutants - General Provisions (5/16/07)**		
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	

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
61.14	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 (12/4/03); BAAQMD National Emission Standard for Benzene Emissions from Benzene Transfer Operations and Benzene Waste Operations (7/18/90)**		
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	
61.341	Definitions	Y	
61.342	Standards: General	Y	
61.342	Standards: General	Y	
61.342(b)	Standards: General; Facilities with TAB > 10 Mg/yr		
61.342(e)	Standards: General; Alternative to 61.342(c) and 61.342(d)	Y	
61.342(e)(1)	Standards: General; Treat waste with a flow-weighted annual average water content of less than 10% per 61.342(c)(1)	Y	
61.342(e)(2)	Standards: General; Treatment of waste with a flow-weighted annual average water content of 10% or more by volume.	Y	
61.342(e)(2)(i)	Standards: General; 61.342(e)(2) Waste shall not contain more than 6.0 Mg/yr benzene	Y	
61.342(e)(2)(ii)	Standards: General; Determine 61.342(e)(2) benzene quantity per 61.355(k)	Y	
61.342(g)	Compliance determined by review of records, test results, and inspections	Y	
	40 CFR 61.345, 61.346 and 61.347 are applicable only to equipment whose benzene quantity for 61.342(e)(2) is calculated per 61.355(k)(2) as controlled.		
61.345	Standards: Containers	Y	
61.346	Standards: Individual drain systems	Y	
61.347	Standards: Oil-water separators	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	

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
61.355(c)	Determination of flow-weighted annual average benzene concentration	Y	
61.355(h)	Leak inspection procedures	Y	
61.355(i)	Control device performance test procedures	Y	
61.355(k)	Determination of benzene quantity (6 BQ)	Y	
61.356	Recordkeeping requirements	Y	
61.356(a)	recordkeeping and retention requirements	Y	
61.356(b)	waste stream records	Y	
61.356(d)	Recordkeeping Requirements: Control equipment engineering design	Y	
61.356(f)	Recordkeeping Requirements: Closed vent system and control device per 61.349--retain for life of device	Y	
61.356(g)	Recordkeeping Requirements: Visual inspection per 61.343 through 61.347	Y	
61.356(h)	Recordkeeping Requirements: No detectable emissions tests per 61.343 through 61.347, and 61.349	Y	
61.356(j)	Recordkeeping Requirements: Control device operation	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 (12/01/2015)**	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	

IV. Source Specific Applicable Requirements

Table IV – All Sources
Facility-Specific Generally Applicable Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.5(d)(3)	Application for approval of reconstruction	Y	
63.5(d)(4)	Additional information	Y	
63.6	Compliance with standards and maintenance	Y	
63.7	Performance testing requirements	Y	
63.8	Monitoring requirements	Y	
63.9	Notification requirements	Y	
63.10	Recordkeeping and reporting requirements	Y	
63.11	Control device and work practice 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: Requirements for Control Technology Determinations for Major Sources in Accordance with Clean Air Act Sections, Section 112(g) and 112(j); Final Rule (5/30/03)**		
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(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 (12/01/15)**		
63.640(a)	applies to petroleum refining process units and to related emission points	Y	
63.640(c)(1)	Applicability for miscellaneous process vents	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	

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(c)(8)	Applicability for heat exchange systems	Y	
63.640(d)(1)	Exclusion for stormwater from segregated stormwater sewers	Y	
63.640(d)(2)	Exclusion for spills	Y	
63.640(d)(3)	Exclusion for pressure relief devices operated less than 300 hours per calendar year	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)(1)	Added emission points are subject to requirements for existing sources	Y	
63.640(l)(2)	Added emission points must be in compliance with item 4 of table 11 of 40 CFR 63 Subpart CC	Y	
63.640(l)(3)	owner/operator of a petroleum refining wastewater stream, miscellaneous process vent, or heat exchange systems 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(l)(4)	Notification of compliance for added equipment	Y	
63.640(o)	Overlap of Subpart CC with other regulations for wastewater	Y	
63.640(p)	Overlap of Subpart CC with other regulations for equipment leaks	Y	
63.640(q)	Overlap of Subpart CC with local or State regulations	Y	
63.642	General Standards		
63.642(a)	apply for a Part 70 or Part 71 operating permit	Y	
63.642(b)	Emission standards apply at all times	Y	
63.642(c)	Table 6 of this subpart specifies the Subpart A provisions that apply.	Y	

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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.642(d)	initial performance tests and compliance determinations shall be required only as specified in this subpart	Y	
63.642(e)	applicable records shall be maintained as specified in 63.655(i)	Y	
63.642(f)	all reports required by this subpart shall be sent to the Administrator	Y	
63.642(g)	existing source owners/operators shall control emissions of organic HAPs to the level represented by the equation in this paragraph	Y	
63.642(h)	new source owner/operators shall control emissions of organic HAPs to the level represented by the equation in paragraph (g) of this section.	Y	
63.642(i)	existing source owners/operators shall demonstrate compliance with (g) by following procedures in (k) for all emission points, or by following emission averaging compliance approach in (l) for specified emission points and the procedures in (k)(1)	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 applicable provisions in 63.643 through 63.645 and 63.647 as specified in 63.640(h) and shall also comply with the applicable requirements of 63.648, 63.654, 63.655, and 63.658	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	
63.642(n)	General duty to minimize emissions	Y	
63.643	Miscellaneous process vent provisions	Y	
64.644	Monitoring provisions for miscellaneous process vents	Y	
63.645	Test methods and procedures for miscellaneous process vents	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	

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

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Table IV – All Sources
Facility-Specific Generally Applicable Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.468(j)	Pressure relief device requirements		63.468(j)(3), (j)(6), and (j)(7) become effective 1/30/19.
63.654(a)	Heat exchange systems applicability	Y	
63.654(b)	Exemptions for heat exchange systems	Y	
63.654(c)	Monitoring requirements for total strippable volatile organic compound leak identification	Y	
63.654(d)	Leak repair requirements	Y	
63.654(e)	If leaks are detected while performing monitoring under paragraph (c)(1)(i), additional monitoring under c(1)(ii) may be performed, and if no leaks are detected, the heat exchange system is considered repaired.	Y	
63.654(f)	Provisions for delaying leaks repairs	Y	
63.654(g)	Recordkeeping requirements if delaying repairs under 63.654(f)	Y	
63.655	Reporting and recordkeeping requirements	Y	
63.655(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	
63.655(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	
63.655(e)	Recordkeeping and reporting requirements for sources subject to 40 CFR 63 Subpart CC.	Y	
63.655(f)	Notification of Compliance Status for sources subject to 40 CFR 63 Subpart CC	Y	
63.655(g)	Periodic reporting requirements for sources subject to 40 CFR 63 subpar CC	Y	
63.655(h)	Requirements for submitting reports	Y	

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Table IV – All Sources
Facility-Specific Generally Applicable Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.655(i)	Recordkeeping requirements for sources subject to 40 CFR 63 Subpart CC	Y	
63.658	Fenceline monitoring procedures	Y	01/30/2018
63.658(a)	Fenceline monitoring is required in accordance with Methods 32A and 325B of 40 CFR 63 Subpart CC Appendix A	Y	01/30/2018
63.658(b)	Target analyte is benzene	Y	01/30/2018
63.658(c)	Requirements for passive monitor locations	Y	01/30/2018
63.658(d)	Requirements for collecting and recording meteorological data	Y	01/30/2018
63.658(e)	Sampling period and sampling frequency requirements	Y	01/30/2018
63.658(f)	Requirements for determining whether results from a sampling period are above or below action levels	Y	01/30/2018
63.658(g)	Root cause analysis procedures for action level exceedance	Y	01/30/2018
63.658(h)	Requirements for development and submittal of a corrective action plan	Y	01/30/2018
63.658(i)	Provisions for requesting site specific monitoring plans to account for upwind offsite sources or onsite sources excluded under 63.640(g)	Y	01/30/2018
63.658(j)	Must comply with recordkeeping and reporting requirements in 63.655(h) and 63.655(i)	Y	01/30/2018
63.658(k)	Provisions for submitting requests for alternative test methods	Y	01/30/2018
40 CFR 63 Subpart UUU	**National Emission Standards for Hazardous Pollutants for Petroleum Refineries: Catalytic Cracking Units, Catalytic Reforming Units, and Sulfur Recovery Units (12/01/15)**	Y	
63.1561(a)	Subpart UUU applicability	Y	
63.1562(a)	Subpart UUU applies to new, reconstructed, or existing affected sources	Y	
63.1562(c)	Affected source construction date	Y	
63.1562(d)	Affected source reconstruction criteria	Y	
63.1562(e)	Affected source is existing if not new or reconstructed	Y	
63.1562(f)	Subpart UUU exclusions	Y	
63.1563(a)	Compliance dates for Subpart UUU	Y	
63.1563(b)	Compliance dates for existing affected sources	Y	
63.1563(e)	Notification requirements	Y	
63.1570(a)	Must be in compliance with non-opacity standards at all times	Y	
63.1570(c)	Work practices for affected sources	Y	

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Table IV – All Sources
Facility-Specific Generally Applicable Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.1570(d)	Log of times in between compliance date and installation of the continuous monitoring system which demonstrates procedures used to minimize emissions	Y	
63.1570(f)	Reporting requirements for each instance where an emission limitation and operating limit	Y	
63.1571(a)	Performance tests and initial demonstration of compliance	Y	
63.1571(b)	General requirements for performance tests and performance evaluations	Y	
63.1571(c)	Procedures for engineering assessments	Y	
63.1571(d)	Provisions for adjusting the process or control device measured values when establishing an operating limit	Y	
63.1571(e)	Provisions for changing an operating limit	Y	
63.1572	Monitoring installation, operation, and maintenance requirements	Y	
63.1573	Provisions for monitoring alternatives	Y	
63.1574	Notification requirements	Y	
63.1575	Reporting requirements	Y	
63.1576	Recordkeeping requirements	Y	
63.1577	NESHAP general provisions applicability	Y	
BAAQMD Condition 20989, Part B	The owner/operator shall notify the District in writing by fax or email no less than three calendar days in advance of any scheduled startup or shutdown of any process unit and as soon as feasible for any unscheduled startup or shutdown of a process unit, but no later than 48 hours after the unscheduled startup/shutdown. [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.

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

Table IV – A.1
Source-specific Applicable Requirements
S2 – UNIT 229, B-301 HEATER
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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 1	**General Provisions and Definitions (5/04/11)**		
1-521	Monitoring May Be Required	Y	
1-523	Parametric Monitoring and Recordkeeping Procedures	N	
1-523.1	Parametric monitor periods of inoperation	Y	
1-523.2	Limits on periods of inoperation	Y	
1-523.3	Reports of Violations	N	
1-523.4	Records	Y	
1-523.5	Maintenance and calibration	N	
SIP Regulation 1	**General Provisions and Definitions (6/28/99)**		
1-523	Parametric Monitoring and Recordkeeping Procedures	Y-note 1	
1-523.3	Reports of Violations	Y[1]	
BAAQMD Regulation 6, Rule 1	**Particulate Matter, General Requirements(12/05/07)**		
6-1-301	Ringelmann #1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310.3	Particulate Weight Limitation; Heat Transfer Operation	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/98)**		
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation; Heat Transfer Operation	Y	
BAAQMD Regulation 9, Rule 10	**Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon Monoxide from Boilers, Steam Generators, and Process Heaters in Petroleum Refineries (10/16/13)**		
9-10-301	Emission Limit for Facility, NOx: 0.033 lb NOx/MMbtu	N	
9-10-301.3	...Test-firing on Non-gaseous fuel Contribution	N	
9-10-301.5	Units Temporarily Out of Service	N	
9-10-303	Federal Facility-wide and CO Boiler NOx emission rate limit	Y	
9-10-305	CO emission limit	N	
9-10-406	Determination of Compliance	N	

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Table IV – A.1
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S5 – UNIT 231, B-102 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
9-10-407	Boiler, Steam Generator and Process Heater Status Report	N	
9-10-502	Monitoring	Y	
9-10-502.1	CEMS for NOx, CO, and O2, or equivalent monitoring	Y	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	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	
SIP Regulation 9, Rule 10	**Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon Monoxide from Boilers, Steam Generators, and Process Heaters in Petroleum Refineries (4/2/08)**		
9-10-504	Recordkeeping	Y	
9-10-504.1	Records	Y	
9-10-505	Reporting	Y	
9-10-601	Determination of NOx	Y	
40 CFR 60, Subpart A	**General Provisions (1/18/08)**		
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	

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Table IV – A.1
Source-specific Applicable Requirements
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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 (12/1/15)**		
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	
NESHAP	**National Emission Standards for Hazardous Air Pollutants for**		

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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
40 CFR 63, Subpart DDDDD	**Major Sources: Industrial, Commercial, and Institutional Boilers and Process Heaters (11/20/2015)**		
63.7490(d)	Applicability	Y	
63.7495(b)	Compliance Dates	Y	
63.7495(d)	Notification Dates	Y	
63.7499(l)	Gas 1 Designed Units	Y	
63.7500(e)	Applicable Compliance Requirements	Y	
63.7500(f)	Startup and Shutdown Exclusions	Y	
63.7510(e)	Initial Compliance Demonstration	Y	
63.7515(d)	Annual Tune-up Compliance Dates	Y	
63.7530(e)	Notification of Compliance Status Requirements	Y	
63.7530(f)	Notification of Compliance Status Requirements	Y	
63.7540a(10)	Annual Tune-Up Requirements	Y	
63.7540a(13)	Annual Tune-up Requirements if Unit is Not in Operation	Y	
63.7545(a)	Notification Requirements	Y	
63.7545(b)	Initial Notification Requirements	Y	
63.7545(e)	Notification of Compliance Status	Y	
63.7545(f)	Alternative Fuel Usage	Y	
63.7545(h)	Fuel Switch Notification	Y	
63.7550(a)	Reports to Submit	Y	
63.7550(b)	Report Submittal Dates	Y	
63.7550(c)	Compliance Report Requirements	Y	
63.7550(h)	Reporting Procedures	Y	
63.7555(a)	Required Records	Y	
63.7555(h)	Alternative Fuel Usage Records	Y	
63.7560(a)	Recordkeeping Requirements	Y	
63.7560(b)	Duration of Recordkeeping	Y	
63.7560(c)	Location of Records	Y	
Table 3	Work Practice Standards	Y	
Table 9	Reporting Requirements	Y	
Table 10	Applicability of General Provisions (Subpart A)	Y	

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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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: Cumulative Increase]	Y	
Part G.5	Startup/Shutdown limitations	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]	Y	
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	Y	
Part 3	"NOx Box" requirement for sources without NOx CEMs [Basis: Regulation 9-10-502]	Y	
Part 4	"NOx Box" development procedure [Basis: Regulation 9-10-502]	Y	
Part 5	"NOx Box" parameters [Basis: Regulation 9-10-502]	Y	
Part 6a	Allowed "NOx Box" deviations [Basis: Regulation 9-10-502]	Y	
Part 6b	"NOx Box" deviation reporting requirement [Basis: Regulation 9-10-502]	Y	
Part 7	NOx, CO, O2 source test requirement for sources without NOx CEMs [Basis: Regulation 9-10-502]	Y	
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	Y	
Part 10	Recordkeeping requirement [Basis: Regulation 9-10-504]	Y	
Part 11	Compliance demonstration with Alternative Compliance Plan [Basis: Regulation 2-9-303, 9-10-301]	N	

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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 12	Quarterly report showing amount of IERC's used during previous quarter, IERC's used during current ACP period, projection of IERC's required and certification that the facility possesses IERC's equal to the amount projected [Basis: Regulation 2-9-502.3]	N	
Part 13	Annual reconciliation report and surrendering of banking certificate(s) [Basis: Regulation 2-9-502.4]	N	
Part 14	ACP renewal request [Basis: Regulation 2-9-502.2]	N	
Part 15	Recordkeeping requirement [Basis: Regulation 2-9-502.2]	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 (5/04/11)**		
1-521	Monitoring May Be Required	Y	
1-523	Parametric Monitoring and Recordkeeping Procedures	N	
1-523.1	Parametric monitor periods of inoperation	Y	
1-523.2	Limits on periods of inoperation	Y	
1-523.3	Reports of Violations	N	
1-523.4	Records	Y	
1-523.5	Maintenance and calibration	N	
SIP Regulation 1	**General Provisions and Definitions (6/28/99)**		
1-523	Parametric Monitoring and Recordkeeping Procedures	Y-note 1	
1-523.3	Reports of Violations	Y[1]	
BAAQMD Regulation 6, Rule 1	**Particulate Matter, General Requirements (12/05/07)**		
6-1-301	Ringelmann #1 Limitation	N	

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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
6-1-305	Visible Particles	N	
6-1-310.3	Particulate Weight Limitation; Heat Transfer Operation	N	
6-1-401	Appearance of Emissions	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/98)**		
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation; Heat Transfer Operation	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 (10/16/13)**		
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	
9-10-301.3	...Test-firing on Non-gaseous fuel Contribution	N	
9-10-301.5	Units Temporarily Out of Service	N	
9-10-303	Federal Facility-wide NOx emission rate limit	Y	
9-10-305	CO emission limit	N	
9-10-406	Determination of Compliance	N	
9-10-407	Boiler, Steam Generator and Process Heater Status Report	N	
9-10-502	Monitoring	Y	
9-10-502.1	CEMS for NOx, CO, and O2, or equivalent monitoring	Y	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	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	
SIP Regulation 9, Rule 10	**Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon Monoxide from Boilers, Steam Generators, and Process Heaters in Petroleum Refineries (4/2/08)**		
9-10-504	Recordkeeping	Y	
9-10-504.1	Records	Y	

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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
9-10-505	Reporting	Y	
9-10-601	Determination of NOx	Y	
40 CFR 60, Subpart A	**General Provisions (1/18/08)**		
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 (12/1/15)**		
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	

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
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	
NESHAP 40 CFR 63, Subpart DDDDD	**National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial, and Institutional Boilers and Process Heaters (11/20/2015)**		
63.7490(d)	Applicability	Y	
63.7495(b)	Compliance Dates	Y	
63.7495(d)	Notification Dates	Y	
63.7499(l)	Gas 1 Designed Units	Y	
63.7500(e)	Applicable Compliance Requirements	Y	
63.7500(f)	Startup and Shutdown Exclusions	Y	
63.7510(e)	Initial Compliance Demonstration	Y	
63.7515(d)	Annual Tune-up Compliance Dates	Y	
63.7530(e)	Notification of Compliance Status Requirements	Y	
63.7530(f)	Notification of Compliance Status Requirements	Y	
63.7540a(13)	Annual Tune-up Requirements if Unit is Not in Operation	Y	
63.7545(a)	Notification Requirements	Y	
63.7545(b)	Initial Notification Requirements	Y	
63.7545(e)	Notification of Compliance Status	Y	
63.7545(f)	Alternative Fuel Usage	Y	
63.7545(h)	Fuel Switch Notification	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
63.7550(a)	Reports to Submit	Y	
63.7550(b)	Report Submittal Dates	Y	
63.7550(c)	Compliance Report Requirements	Y	
63.7550(h)	Reporting Procedures	Y	
63.7555(a)	Required Records	Y	
63.7555(h)	Alternative Fuel Usage Records	Y	
63.7555(i)	Records of Startup and Shutdown	Y	
63.7555(j)	Records of Fuels Used During Startup and Shutdown	Y	
63.7560(a)	Recordkeeping Requirements	Y	
63.7560(b)	Duration of Recordkeeping	Y	
63.7560(c)	Location of Records	Y	
Table 3	Work Practice Standards	Y	
Table 9	Reporting Requirements	Y	
Table 10	Applicability of General Provisions (Subpart A)	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: Cumulative Increase]	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]	Y	
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	Y	
Part 3	"NOx Box" requirement for sources without NOx CEMs [Basis: Regulation 9-10-502]	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
Part 4	"NOx Box" development procedure [Basis: Regulation 9-10-502]	Y	
Part 5	"NOx Box" parameters [Basis: Regulation 9-10-502]	Y	
Part 6a	Allowed "NOx Box" deviations [Basis: Regulation 9-10-502]	Y	
Part 6b	"NOx Box" deviation reporting requirement [Basis: Regulation 9-10-502]	Y	
Part 7	NOx, CO, O2 source test requirement for sources without NOx CEMs [Basis: Regulation 9-10-502]	Y	
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	Y	
Part 10	Recordkeeping requirement [Basis: Regulation 9-10-504]	Y	
Part 11	Compliance demonstration with Alternative Compliance Plan [Basis: Regulation 2-9-303, 9-10-301]	N	
Part 12	Quarterly report showing amount of IERC's used during previous quarter, IERC's used during current ACP period, projection of IERC's required and certification that the facility possesses IERC's equal to the amount projected [Basis: Regulation 2-9-502.3]	N	
Part 13	Annual reconciliation report and surrendering of banking certificate(s) [Basis: Regulation 2-9-502.4]	N	
Part 14	ACP renewal request [Basis: Regulation 2-9-502.2]	N	
Part 15	Recordkeeping requirement [Basis: Regulation 2-9-502.2]	N	

IV. Source Specific Applicable Requirements

Table IV – A.3
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 (5/04/11)**		
1-521	Monitoring May Be Required	Y	
1-523	Parametric Monitoring and Recordkeeping Procedures	N	
1-523.1	Parametric monitor periods of inoperation	Y	
1-523.2	Limits on periods of inoperation	Y	
1-523.3	Reports of Violations	N	
1-523.4	Records	Y	
1-523.5	Maintenance and calibration	N	
SIP Regulation 1	**General Provisions and Definitions (6/28/99)**		
1-523	Parametric Monitoring and Recordkeeping Procedures	Y-note 1	
1-523.3	Reports of Violations	Y[1]	
BAAQMD Regulation 6, Rule 1	**Particulate Matter, General Requirements (12/05/07)**		
6-1-301	Ringelmann #1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310.3	Particulate Weight Limitation; Heat Transfer Operation	N	
6-1-401	Appearance of Emissions	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/98)**		
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation; Heat Transfer Operation	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 (10/16/13)**		
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	
9-10-301.3	...Test-firing on Non-gaseous fuel Contribution	N	
9-10-301.5	Units Temporarily Out of Service	N	
9-10-303	Federal Facility-wide NOx emission rate limit	Y	

IV. Source Specific Applicable Requirements

Table IV – A.3
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
9-10-305	CO emission limit	N	
9-10-406	Determination of Compliance	N	
9-10-407	Boiler, Steam Generator and Process Heater Status Report	N	
9-10-502	Monitoring	Y	
9-10-502.1	CEMS for NOx, CO, and O2, or equivalent monitoring	Y	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	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	
SIP Regulation 9, Rule 10	**Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon Monoxide from Boilers, Steam Generators, and Process Heaters in Petroleum Refineries (4/2/08)**		
9-10-504	Recordkeeping	Y	
9-10-504.1	Records	Y	
9-10-505	Reporting	Y	
9-10-601	Determination of NOx	Y	
40 CFR 60, Subpart A	**General Provisions (1/18/08)**		
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.3
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
	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 (12/1/15)**		
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	
NESHAP 40 CFR 63,	**National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial, and Institutional Boilers**		

IV. Source Specific Applicable Requirements

Table IV – A.3
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
Subpart DDDDD	**and Process Heaters (11/20/2015)**		
63.7490(d)	Applicability	Y	
63.7495(b)	Compliance Dates	Y	
63.7495(d)	Notification Dates	Y	
63.7499(l)	Gas 1 Designed Units	Y	
63.7500(e)	Applicable Compliance Requirements	Y	
63.7500(f)	Startup and Shutdown Exclusions	Y	
63.7510(e)	Initial Compliance Demonstration	Y	
63.7515(d)	Annual Tune-up Compliance Dates	Y	
63.7530(e)	Notification of Compliance Status Requirements	Y	
63.7530(f)	Notification of Compliance Status Requirements	Y	
63.7540a(13)	Annual Tune-up Requirements if Unit is Not in Operation	Y	
63.7545(a)	Notification Requirements	Y	
63.7545(b)	Initial Notification Requirements	Y	
63.7545(e)	Notification of Compliance Status	Y	
63.7545(f)	Alternative Fuel Usage	Y	
63.7545(h)	Fuel Switch Notification	Y	
63.7550(a)	Reports to Submit	Y	
63.7550(b)	Report Submittal Dates	Y	
63.7550(c)	Compliance Report Requirements	Y	
63.7550(h)	Reporting Procedures	Y	
63.7555(a)	Required Records	Y	
63.7555(h)	Alternative Fuel Usage Records	Y	
63.7555(i)	Records of Startup and Shutdown	Y	
63.7555(j)	Records of Fuels Used During Startup and Shutdown	Y	
63.7560(a)	Recordkeeping Requirements	Y	
63.7560(b)	Duration of Recordkeeping	Y	
63.7560(c)	Location of Records	Y	
Table 3	Work Practice Standards	Y	
Table 9	Reporting Requirements	Y	
Table 10	Applicability of General Provisions (Subpart A)	Y	
BAAQMD Condition			

IV. Source Specific Applicable Requirements

Table IV – A.3
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
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	
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: Cumulative Increase]	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]	Y	
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	Y	
Part 3	"NOx Box" requirement for sources without NOx CEMs [Basis: Regulation 9-10-502]	Y	
Part 4	"NOx Box" development procedure [Basis: Regulation 9-10-502]	Y	
Part 5	"NOx Box" parameters [Basis: Regulation 9-10-502]	Y	
Part 6a	Allowed "NOx Box" deviations [Basis: Regulation 9-10-502]	Y	
Part 6b	"NOx Box" deviation reporting requirement [Basis: Regulation 9-10-502]	Y	
Part 7	NOx, CO, O2 source test requirement for sources without NOx CEMs [Basis: Regulation 9-10-502]	Y	
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	Y	
Part 10	Recordkeeping requirement [Basis: Regulation 9-10-504]	Y	
Part 11	Compliance demonstration with Alternative Compliance Plan [Basis: Regulation 2-9-303, 9-10-301]	N	
Part 12	Quarterly report showing amount of IERC's used during previous quarter, IERC's used during current ACP period, projection of IERC's required and certification that the facility possesses IERC's equal to the amount projected [Basis: Regulation 2-9-502.3]	N	
Part 13	Annual reconciliation report and surrendering of banking certificate(s)	N	

IV. Source Specific Applicable Requirements

Table IV – A.3
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
	[Basis: Regulation 2-9-502.4]		
Part 14	ACP renewal request [Basis: Regulation 2-9-502.2]	N	
Part 15	Recordkeeping requirement [Basis: Regulation 2-9-502.2]	N	

Table IV – A.4
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 (7/19/06)**		
1-521	Monitoring May Be Required	Y	
1-523	Parametric Monitoring and Recordkeeping Procedures	N	
1-523.1	Parametric monitor periods of inoperation	Y	
1-523.2	Limits on periods of inoperation	Y	
1-523.3	Reports of Violations	N	
1-523.4	Records	Y	
1-523.5	Maintenance and calibration	N	
SIP Regulation 1	**General Provisions and Definitions (6/28/99)**		
1-523	Parametric Monitoring and Recordkeeping Procedures	Y-note 1	
1-523.3	Reports of Violations	Y[1]	
BAAQMD Regulation 6, Rule 1	**Particulate Matter, General Requirements (12/05/07)**		
6-1-301	Ringelmann #1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310.3	Particulate Weight Limitation; Heat Transfer Operation	N	
6-1-401	Appearance of Emissions	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/98)**		
6-301	Ringelmann No. 1 Limitation	Y	

IV. Source Specific Applicable Requirements

Table IV – A.4
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
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation; Heat Transfer Operation	Y	
6-1-401	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 (10/16/13)**		
9-10-301	Emission Limit for Facility, NOx: 0.033 lb NOx/MMbtu	N	
9-10-301.3	...Test-firing on Non-gaseous fuel Contribution	N	
9-10-301.5	Units Temporarily Out of Service	N	
9-10-303	Federal Facility-wide NOx emission rate limit	Y	
9-10-305	CO emission limit	N	
9-10-406	Determination of Compliance	N	
9-10-407	Boiler, Steam Generator and Process Heater Status Report	N	
9-10-502	Monitoring	Y	
9-10-502.1	CEMS for NOx, CO, and O2, or equivalent monitoring	Y	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	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	
SIP Regulation 9, Rule 10	**Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon Monoxide from Boilers, Steam Generators, and Process Heaters in Petroleum Refineries (4/2/08)**		
9-10-504	Recordkeeping	Y	
9-10-504.1	Records	Y	
9-10-505	Reporting	Y	
9-10-601	Determination of NOx	Y	
40 CFR 60, Subpart A	**General Provisions (1/18/08)**		
60.7(b)	Records	Y	
60.7(c)	Notification and recordkeeping for continuous monitoring	Y	
60.7(d)	Summary reports	Y	

IV. Source Specific Applicable Requirements

Table IV – A.4
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(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 (12/1/15)**		
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	

IV. Source Specific Applicable Requirements

Table IV – A.4
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
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	
NESHAP 40 CFR 63, Subpart DDDDD	**National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial, and Institutional Boilers and Process Heaters (11/20/2015)**		
63.7490(d)	Applicability	Y	
63.7495(b)	Compliance Dates	Y	
63.7495(d)	Notification Dates	Y	
63.7499(l)	Gas 1 Designed Units	Y	
63.7500(e)	Applicable Compliance Requirements	Y	
63.7500(f)	Startup and Shutdown Exclusions	Y	
63.7510(e)	Initial Compliance Demonstration	Y	
63.7515(d)	Annual Tune-up Compliance Dates	Y	
63.7530(e)	Notification of Compliance Status Requirements	Y	
63.7530(f)	Notification of Compliance Status Requirements	Y	
63.7540a(13)	Annual Tune-up Requirements if Unit is Not in Operation	Y	
63.7545(a)	Notification Requirements	Y	
63.7545(b)	Initial Notification Requirements	Y	
63.7545(e)	Notification of Compliance Status	Y	
63.7545(f)	Alternative Fuel Usage	Y	
63.7545(h)	Fuel Switch Notification	Y	
63.7550(a)	Reports to Submit	Y	
63.7550(b)	Report Submittal Dates	Y	
63.7550(c)	Compliance Report Requirements	Y	
63.7550(h)	Reporting Procedures	Y	
63.7555(a)	Required Records	Y	
63.7555(h)	Alternative Fuel Usage Records	Y	
63.7555(i)	Records of Startup and Shutdown	Y	

IV. Source Specific Applicable Requirements

Table IV – A.4
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
63.7555(j)	Records of Fuels Used During Startup and Shutdown	Y	
63.7560(a)	Recordkeeping Requirements	Y	
63.7560(b)	Duration of Recordkeeping	Y	
63.7560(c)	Location of Records	Y	
Table 3	Work Practice Standards	Y	
Table 9	Reporting Requirements	Y	
Table 10	Applicability of General Provisions (Subpart A)	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.1b	Annual fuel firing limit at S9, S10, S11, S12, and S13 [Basis: Cumulative Increase]	Y	
Part F.3	Monthly fuel firing records [Basis: Cumulative Increase]	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]	Y	
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	Y	
Part 3	"NOx Box" requirement for sources without NOx CEMs [Basis: Regulation 9-10-502]	Y	
Part 4	"NOx Box" development procedure [Basis: Regulation 9-10-502]	Y	
Part 5	"NOx Box" parameters [Basis: Regulation 9-10-502]	Y	
Part 6a	Allowed "NOx Box" deviations [Basis: Regulation 9-10-502]	Y	
Part 6b	"NOx Box" deviation reporting requirement [Basis: Regulation 9-10-502]	Y	
Part 7	NOx, CO, O2 source test requirement for sources without NOx CEMs [Basis: Regulation 9-10-502]	Y	

IV. Source Specific Applicable Requirements

Table IV – A.4
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 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	Y	
Part 10	Recordkeeping requirement [Basis: Regulation 9-10-504]	Y	
Part 11	Compliance demonstration with Alternative Compliance Plan [Basis: Regulation 2-9-303, 9-10-301]	N	
Part 12	Quarterly report showing amount of IERC's used during previous quarter, IERC's used during current ACP period, projection of IERC's required and certification that the facility possesses IERC's equal to the amount projected [Basis: Regulation 2-9-502.3]	N	
Part 13	Annual reconciliation report and surrendering of banking certificate(s) [Basis: Regulation 2-9-502.4]	N	
Part 14	ACP renewal request [Basis: Regulation 2-9-502.2]	N	
Part 15	Recordkeeping requirement [Basis: Regulation 2-9-502.2]	N	

Table IV – A.5
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 (4/18/12)**		
1-521	Monitoring May Be Required	Y	
1-522	Continuous Emission Monitoring and Recordkeeping Procedures		
1-522.3	CEM performance testing	Y	
1-522.4	reporting of inoperative CEMs	Y	
1-522.5	CEM calibration requirements	Y	
1-522.6	CEM accuracy requirements	Y	
1-522.7	emission limit exceedance reporting requirements	N	
1-522.8	monitoring data submittal requirements	Y	
1-522.9	recordkeeping requirements	Y	
1-522.10	Regulation 1-521 monitors shall meet requirements specified by District	Y	
1-602	Area and Continuous Monitoring Requirements	N	

IV. Source Specific Applicable Requirements

Table IV – A.5
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
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, Rule 1	**Particulate Matter, General Requirements (12/05/07)**		
6-1-301	Ringelmann #1 Limitation	N	
6-1-304	Tube Cleaning	N	
6-1-305	Visible Particles	N	
6-1-310.3	Particulate Weight Limitation; Heat Transfer Operation	N	
6-1-401	Appearance of Emissions	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/98)**		
6-301	Ringelmann No. 1 Limitation	Y	
6-304	Tube Cleaning	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation; Heat Transfer Operation	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 (10/16/13)**		
9-10-301	Emission Limit for Facility, NOx: 0.033 lb NOx/MMbtu	N	
9-10-301.3	...Test-firing on Non-gaseous fuel Contribution	N	
9-10-301.5	Units Temporarily Out of Service	N	
9-10-303	Federal Facility-wide NOx emission rate limit	Y	
9-10-305	CO emission limit	N	
9-10-406	Determination of Compliance	N	
9-10-407	Boiler, Steam Generator and Process Heater Status Report	N	
9-10-502	Monitoring	Y	
9-10-502.1	CEMS for NOx, CO, and O2 or equivalent monitoring	Y	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	N	
9-10-504.1	Records	N	
9-10-505	Reporting	N	

IV. Source Specific Applicable Requirements

Table IV – A.5
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
9-10-601	Determination of NOx	N	
9-10-602	Determination of CO and Stack Gas O2	N	
9-10-603	Compliance Determination	Y	
SIP Regulation 9, Rule 10	**Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon Monoxide from Boilers, Steam Generators, and Process Heaters in Petroleum Refineries (4/2/08)**		
9-10-504	Recordkeeping	Y	
9-10-504.1	Records	Y	
9-10-505	Reporting	Y	
9-10-601	Determination of NOx	Y	
BAAQMD Manual of Procedures, Volume V	**Continuous Emission Monitoring Policy and Procedures (1/20/82)**	Y	
40 CFR 60, Subpart A	**General Provisions (1/18/08)**		
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.5
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
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 (12/1/15)**		
60.100	Applicability	Y	
60.104	Standards for Sulfur Oxides: Compliance Schedule	Y	
60.104(a)(1)	fuel gas H2S concentration limited to 230 mg/dscm (0.10 gr/dscf) except for gas burned as a result of process upset or gas burned at flares from relief valve leaks or other emergency malfunctions	Y	
60.105	Monitoring of Emissions and Operations	Y	
60.105(a)(4)	monitoring requirement for H2S (dry basis) in fuel gas prior to combustion (in lieu of separate combustion device exhaust SO2 monitors as required by 60.105(a)(3))	Y	
60.105(e)(3)(ii)	Excess H2S emission definitions for 60.7(c)	Y	
60.106(a)	Test methods and procedures	Y	
60.106(e)(1)	Method 11 shall be used to verify compliance with 60.104(a)(1)	Y	
NSPS 40 CFR 60, Appendix A	**Appendix A to Part 60 – Test Methods**	Y	
NSPS 40 CFR 60 Appendix B	**Performance Specifications**		
Performance Specification 7	H2S continuous emission monitoring systems	Y	
NSPS 40 CFR 60 Appendix F	**Quality Assurance Procedures**		
NESHAP 40 CFR 63, Subpart DDDDD	**National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial, and Institutional Boilers and Process Heaters (11/20/2015)**		
63.7490(d)	Applicability	Y	
63.7495(b)	Compliance Dates	Y	

IV. Source Specific Applicable Requirements

Table IV – A.5
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
63.7495(d)	Notification Dates	Y	
63.7499(l)	Gas 1 Designed Units	Y	
63.7500(e)	Applicable Compliance Requirements	Y	
63.7500(f)	Startup and Shutdown Exclusions	Y	
63.7510(e)	Initial Compliance Demonstration	Y	
63.7515(d)	Annual Tune-up Compliance Dates	Y	
63.7530(e)	Notification of Compliance Status Requirements	Y	
63.7530(f)	Notification of Compliance Status Requirements	Y	
63.7540a(13)	Annual Tune-up Requirements if Unit is Not in Operation	Y	
63.7545(a)	Notification Requirements	Y	
63.7545(b)	Initial Notification Requirements	Y	
63.7545(e)	Notification of Compliance Status	Y	
63.7545(f)	Alternative Fuel Usage	Y	
63.7545(h)	Fuel Switch Notification	Y	
63.7550(a)	Reports to Submit	Y	
63.7550(b)	Report Submittal Dates	Y	
63.7550(c)	Compliance Report Requirements	Y	
63.7550(h)	Reporting Procedures	Y	
63.7555(a)	Required Records	Y	
63.7555(h)	Alternative Fuel Usage Records	Y	
63.7555(i)	Records of Startup and Shutdown	Y	
63.7555(j)	Records of Fuels Used During Startup and Shutdown	Y	
63.7560(a)	Recordkeeping Requirements	Y	
63.7560(b)	Duration of Recordkeeping	Y	
63.7560(c)	Location of Records	Y	
Table 3	Work Practice Standards	Y	
Table 9	Reporting Requirements	Y	
Table 10	Applicability of General Provisions (Subpart A)	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.5
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
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.1b	Annual fuel firing limit at S9, S10, S11, S12, and S13 [Basis: Cumulative Increase]	Y	
Part F.3	Monthly fuel firing records [Basis: Cumulative Increase]	Y	
Part F.4a	NOx limit 0.015 lb/MMBtu [Basis: Consent Decree Case No. H-05-0258]	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]	Y	
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	Y	
Part 8	CO source test requirement for sources with NOx CEMs [Basis: Regulation 9-10-502]	Y	
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	Y	
Part 10	Recordkeeping requirement [Basis: Regulation 9-10-504]	Y	
Part 11	Compliance demonstration with Alternative Compliance Plan [Basis: Regulation 2-9-303, 9-10-301]	N	
Part 12	Quarterly report showing amount of IERC's used during previous quarter, IERC's used during current ACP period, projection of IERC's required and certification that the facility possesses IERC's equal to the amount projected [Basis: Regulation 2-9-502.3]	N	
Part 13	Annual reconciliation report and surrendering of banking certificate(s) [Basis: Regulation 2-9-502.4]	N	
Part 14	ACP renewal request [Basis: Regulation 2-9-502.2]	N	
Part 15	Recordkeeping requirement [Basis: Regulation 2-9-502.2]	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.6
Source-specific Applicable Requirements
S11 – UNIT 240, B-201 HEATER
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 (7/09/08)**		
1-521	Monitoring May Be Required	Y	
1-523	Parametric Monitoring and Recordkeeping Procedures	N	
1-523.1	Parametric monitor periods of inoperation	Y	
1-523.2	Limits on periods of inoperation	Y	
1-523.3	Reports of Violations	N	
1-523.4	Records	Y	
1-523.5	Maintenance and calibration	N	
SIP Regulation 1	**General Provisions and Definitions (6/28/99)**		
1-523	Parametric Monitoring and Recordkeeping Procedures	Y-note 1	
1-523.3	Reports of Violations	Y[1]	
BAAQMD Regulation 6, Rule 1	**Particulate Matter, General Requirements (12/05/07)**		
6-1-301	Ringelmann #1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310.3	Particulate Weight Limitation; Heat Transfer Operation	N	
6-1-401	Appearance of Emissions	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/98)**		
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation; Heat Transfer Operation	Y	
6-1-401	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 (10/16/13)**		
9-10-301	Emission Limit for Facility, NOx: 0.033 lb NOx/Mmbtu	N	
9-10-301.3	...Test-firing on Non-gaseous fuel Contribution	N	
9-10-301.5	Units Temporarily Out of Service	N	
9-10-303	Federal Facility-wide NOx emission rate limit	Y	

IV. Source Specific Applicable Requirements

Table IV – A.6
Source-specific Applicable Requirements
S11 – UNIT 240, B-201 HEATER
S12 – UNIT 240, B-202 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
9-10-305	CO emission limit	N	
9-10-406	Determination of Compliance	N	
9-10-407	Boiler, Steam Generator and Process Heater Status Report	N	
9-10-502	Monitoring	Y	
9-10-502.1	CEMS for NOx, CO, and O2, or equivalent monitoring	Y	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	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	
SIP Regulation 9, Rule 10	**Inorganic Gaseous Pollutants – Nitrogen Oxides and Carbon Monoxide from Boilers, Steam Generators, and Process Heaters in Petroleum Refineries (4/2/08)**		
9-10-504	Recordkeeping	Y	
9-10-504.1	Records	Y	
9-10-505	Reporting	Y	
9-10-601	Determination of NOx	Y	
40 CFR 60, Subpart A	**General Provisions (1/18/08)**		
60.7(b)	Records	Y	
60.7©	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	

IV. Source Specific Applicable Requirements

Table IV – A.6
Source-specific Applicable Requirements
S11 – UNIT 240, B-201 HEATER
S12 – UNIT 240, B-202 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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 (12/1/15)**		
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	

IV. Source Specific Applicable Requirements

Table IV – A.6
Source-specific Applicable Requirements
S11 – UNIT 240, B-201 HEATER
S12 – UNIT 240, B-202 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
NESHAP 40 CFR 63, Subpart DDDDD	**National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial, and Institutional Boilers and Process Heaters (11/20/2015)**		
63.7490(d)	Applicability	Y	
63.7495(b)	Compliance Dates	Y	
63.7495(d)	Notification Dates	Y	
63.7499(l)	Gas 1 Designed Units	Y	
63.7500(e)	Applicable Compliance Requirements	Y	
63.7500(f)	Startup and Shutdown Exclusions	Y	
63.7510(e)	Initial Compliance Demonstration	Y	
63.7515(d)	Annual Tune-up Compliance Dates	Y	
63.7530(e)	Notification of Compliance Status Requirements	Y	
63.7530(f)	Notification of Compliance Status Requirements	Y	
63.7540a(13)	Annual Tune-up Requirements if Unit is Not in Operation	Y	
63.7545(a)	Notification Requirements	Y	
63.7545(b)	Initial Notification Requirements	Y	
63.7545(e)	Notification of Compliance Status	Y	
63.7545(f)	Alternative Fuel Usage	Y	
63.7545(h)	Fuel Switch Notification	Y	
63.7550(a)	Reports to Submit	Y	
63.7550(b)	Report Submittal Dates	Y	
63.7550(c)	Compliance Report Requirements	Y	
63.7550(h)	Reporting Procedures	Y	
63.7555(a)	Required Records	Y	
63.7555(h)	Alternative Fuel Usage Records	Y	
63.7555(i)	Records of Startup and Shutdown	Y	
63.7555(j)	Records of Fuels Used During Startup and Shutdown	Y	
63.7560(a)	Recordkeeping Requirements	Y	
63.7560(b)	Duration of Recordkeeping	Y	
63.7560(c)	Location of Records	Y	
Table 3	Work Practice Standards	Y	
Table 9	Reporting Requirements	Y	

IV. Source Specific Applicable Requirements

Table IV – A.6
Source-specific Applicable Requirements
S11 – UNIT 240, B-201 HEATER
S12 – UNIT 240, B-202 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Table 10	Applicability of General Provisions (Subpart A)	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.1b	Annual fuel firing limit at S9, S10, S11, S12, and S13 [Basis: Cumulative Increase]	Y	
Part F.3	Monthly fuel firing records [Basis: Cumulative Increase]	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]	Y	
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	Y	
Part 3	"NOx Box" requirement for sources without NOx CEMs [Basis: Regulation 9-10-502]	Y	
Part 4	"NOx Box" development procedure [Basis: Regulation 9-10-502]	Y	
Part 5	"NOx Box" parameters [Basis: Regulation 9-10-502]	Y	
Part 6a	Allowed "NOx Box" deviations [Basis: Regulation 9-10-502]	Y	
Part 6b	"NOx Box" deviation reporting requirement [Basis: Regulation 9-10-502]	Y	
Part 7	NOx, CO, O2 source test requirement for sources without NOx CEMs [Basis: Regulation 9-10-502]	Y	
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	Y	
Part 10	Recordkeeping requirement [Basis: Regulation 9-10-504]	Y	
Part 11	Compliance demonstration with Alternative Compliance Plan [Basis: Regulation 2-9-303, 9-10-301]	N	
Part 12	Quarterly report showing amount of IERC's used during previous	N	

IV. Source Specific Applicable Requirements

Table IV – A.6
Source-specific Applicable Requirements
S11 – UNIT 240, B-201 HEATER
S12 – UNIT 240, B-202 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	quarter, IERC's used during current ACP period, projection of IERC's required and certification that the facility possesses IERC's equal to the amount projected [Basis: Regulation 2-9-502.3]		
Part 13	Annual reconciliation report and surrendering of banking certificate(s) [Basis: Regulation 2-9-502.4]	N	
Part 14	ACP renewal request [Basis: Regulation 2-9-502.2]	N	
Part 15	Recordkeeping requirement [Basis: Regulation 2-9-502.2]	N	

Table IV – A.7
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 (5/04/11)**		
1-521	Monitoring May Be Required	Y	
1-522	Continuous Emission Monitoring and Recordkeeping Procedures		
1-522.3	CEM performance testing	Y	
1-522.4	reporting of inoperative CEMs	Y	
1-522.5	CEM calibration requirements	Y	
1-522.6	CEM accuracy requirements	Y	
1-522.7	emission limit exceedance reporting requirements	N	
1-522.8	monitoring data submittal requirements	Y	
1-522.9	recordkeeping requirements	Y	
1-522.10	Regulation 1-521 monitors shall 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.7
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 6, Rule 1	**Particulate Matter, General Requirements (12/05/07)**		
6-1-301	Ringelmann #1 Limitation	N	
6-1-304	Tube Cleaning	N	
6-1-305	Visible Particles	N	
6-1-310.3	Particulate Weight Limitation; Heat Transfer Operation	N	
6-1-401	Appearance of Emissions	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/98)**		
6-301	Ringelmann No. 1 Limitation	Y	
6-304	Tube Cleaning	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation; Heat Transfer Operation	Y	
6-1-401	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 (10/16/13)**		
9-10-301	Emission Limit for Facility, NOx: 0.033 lb NOx/MMbtu	N	
9-10-301.3	...Test-firing on Non-gaseous fuel Contribution	N	
9-10-301.5	Units Temporarily Out of Service	N	
9-10-303	Federal Facility-wide NOx emission rate limit	Y	
9-10-305	CO emission limit	N	
9-10-406	Determination of Compliance	N	
9-10-407	Boiler, Steam Generators and Process Heater Status Report	N	
9-10-502	Monitoring	Y	
9-10-502.1	CEMS for NOx, CO, and O2 or equivalent monitoring	Y	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	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	
SIP	**Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon**		

IV. Source Specific Applicable Requirements

Table IV – A.7
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
Regulation 9, Rule 10	**Monoxide from Boilers, Steam Generators, and Process Heaters in Petroleum Refineries (4/2/08)**		
9-10-504	Recordkeeping	Y	
9-10-504.1	Records	Y	
9-10-505	Reporting	Y	
9-10-601	Determination of NOx	Y	
BAAQMD Manual of Procedures, Volume V	**Continuous Emission Monitoring Policy and Procedures (1/20/82)**	Y	
40 CFR 60, Subpart A	**General Provisions (1/18/08)**		
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	**Standards of Performance for Petroleum Refineries (9/21/06)**		

IV. Source Specific Applicable Requirements

Table IV – A.7
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
40 CFR 60, Subpart J			
60.100	Applicability	Y	
60.104	Standards for Sulfur Oxides: Compliance Schedule	Y	
60.104(a)(1)	fuel gas H2S concentration limited to 230 mg/dscm (0.10 gr/dscf) except for gas burned as a result of process upset or gas burned at flares from relief valve leaks or other emergency malfunctions	Y	
60.105	Monitoring of Emissions and Operations	Y	
60.105(a)(4)	monitoring requirement for H2S (dry basis) in fuel gas prior to combustion (in lieu of separate combustion device exhaust SO2 monitors as required by 60.105(a)(3))	Y	
60.105(e)(3)(ii)	Excess H2S emission definitions for 60.7(c)	Y	
60.106(a)	Test methods and procedures	Y	
60.106(e)(1)	Method 11 shall be used to verify compliance with 60.104(a)(1)	Y	
NSPS 40 CFR 60, Appendix A	**Appendix A to Part 60 – Test Methods**	Y	
NSPS 40 CFR 60 Appendix B	**Performance Specifications**		
Performance Specification 7	H2S continuous emission monitoring systems	Y	
NSPS 40 CFR 60 Appendix F	**Quality Assurance Procedures**		
NESHAP 40 CFR 63, Subpart DDDDD	**National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial, and Institutional Boilers and Process Heaters (11/20/2015)**		
63.7490(d)	Applicability	Y	
63.7495(b)	Compliance Dates	Y	
63.7495(d)	Notification Dates	Y	
63.7499(l)	Gas 1 Designed Units	Y	
63.7500(e)	Applicable Compliance Requirements	Y	

IV. Source Specific Applicable Requirements

Table IV – A.7
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
63.7500(f)	Startup and Shutdown Exclusions	Y	
63.7510(e)	Initial Compliance Demonstration	Y	
63.7515(d)	Annual Tune-up Compliance Dates	Y	
63.7530(e)	Notification of Compliance Status Requirements	Y	
63.7530(f)	Notification of Compliance Status Requirements	Y	
63.7540a(13)	Annual Tune-up Requirements if Unit is Not in Operation	Y	
63.7545(a)	Notification Requirements	Y	
63.7545(b)	Initial Notification Requirements	Y	
63.7545(e)	Notification of Compliance Status	Y	
63.7545(f)	Alternative Fuel Usage	Y	
63.7545(h)	Fuel Switch Notification	Y	
63.7550(a)	Reports to Submit	Y	
63.7550(b)	Report Submittal Dates	Y	
63.7550(c)	Compliance Report Requirements	Y	
63.7550(h)	Reporting Procedures	Y	
63.7555(a)	Required Records	Y	
63.7555(h)	Alternative Fuel Usage Records	Y	
63.7555(i)	Records of Startup and Shutdown	Y	
63.7555(j)	Records of Fuels Used During Startup and Shutdown	Y	
63.7560(a)	Recordkeeping Requirements	Y	
63.7560(b)	Duration of Recordkeeping	Y	
63.7560(c)	Location of Records	Y	
Table 3	Work Practice Standards	Y	
Table 9	Reporting Requirements	Y	
Table 10	Applicability of General Provisions (Subpart A)	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-	Y	

IV. Source Specific Applicable Requirements

Table IV – A.7
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
	409.2]		
Part F.1	Annual fuel firing limit at S9, S10, S11, S12, and S13 [Basis: Cumulative Increase]	Y	
Part F.3	Monthly fuel firing records [Basis: Cumulative Increase]	Y	
Part F.4b	NOx limit 0.015 lb/MMBtu [Basis: Consent Decree Case No. H-05-0258]	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]	Y	
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	Y	
Part 8	CO source test requirement for sources with NOx CEMs [Basis: Regulation 9-10-502]	Y	
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	Y	
Part 10	Recordkeeping requirement [Basis: Regulation 9-10-504]	Y	
Part 11	Compliance demonstration with Alternative Compliance Plan [Basis: Regulation 2-9-303, 9-10-301]	N	
Part 12	Quarterly report showing amount of IERC's used during previous quarter, IERC's used during current ACP period, projection of IERC's required and certification that the facility possesses IERC's equal to the amount projected [Basis: Regulation 2-9-502.3]	N	
Part 13	Annual reconciliation report and surrendering of banking certificate(s) [Basis: Regulation 2-9-502.4]	N	
Part 14	ACP renewal request [Basis: Regulation 2-9-502.2]	N	
Part 15	Recordkeeping requirement [Basis: Regulation 2-9-502.2]	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.8
Source-specific Applicable Requirements
S15 – UNIT 244, B-501 HEATER
S16 – UNIT 244, B-502 HEATER
S17 – UNIT 244, B-503 HEATER
S18 – UNIT 244, B-504 HEATER
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 (5/04/11)**		
1-107	Combination of Emissions	Y	
1-521	Monitoring May Be Required	Y	
1-522	Continuous Emission Monitoring and Recordkeeping Procedures		
1-522.3	CEM performance testing		
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, Rule 1	**Particulate Matter, General Requirements (12/05/07)**		
6-1-301	Ringelmann #1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310.3	Particulate Weight Limitation; Heat Transfer Operation	N	
6-1-401	Particulate Emissions	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/98)**		
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation; Heat Transfer Operation	Y	

IV. Source Specific Applicable Requirements

Table IV – A.8
Source-specific Applicable Requirements
S15 – UNIT 244, B-501 HEATER
S16 – UNIT 244, B-502 HEATER
S17 – UNIT 244, B-503 HEATER
S18 – UNIT 244, B-504 HEATER
S19 – UNIT 244, B-505 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
6-401	Appearance of Emissions	Y	
BAAQMD Regulation 9, Rule 10	**Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon Monoxide from Boilers, Steam Generators, and Process Heaters in Petroleum Refineries (10/16/13)**		
9-10-301	Emission Limit for Facility, NOx: 0.033 lb NOx/MMbtu	N	
9-10-301.3	...Test-firing on Non-gaseous fuel Contribution	N	
9-10-301.5	Units Temporarily Out of Service	N	
9-10-303	Federal Facility-wide NOx emission rate limit	Y	
9-10-305	CO emission limit	N	
9-10-406	Determination of Compliance	N	
9-10-407	Boiler, Steam Generator and Process Heater Status Report	N	
9-10-502	Monitoring	Y	
9-10-502.1	CEMS for NOx, CO, and O2, or equivalent monitoring	Y	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	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	
SIP Regulation 9, Rule 10	**Inorganic Gaseous Pollutant–s - Nitrogen Oxides and Carbon Monoxide from Boilers, Steam Generators, and Process Heaters in Petroleum Refineries (4/2/08)**		
9-10-504	Recordkeeping	Y	
9-10-504.1	Records	Y	
9-10-505	Reporting	Y	
9-10-601	Determination of NOx	Y	
BAAQMD Manual of Procedures, Volume V	**Continuous Emission Monitoring Policy and Procedures (1/20/82)**	Y	

IV. Source Specific Applicable Requirements

Table IV – A.8
Source-specific Applicable Requirements
S15 – UNIT 244, B-501 HEATER
S16 – UNIT 244, B-502 HEATER
S17 – UNIT 244, B-503 HEATER
S18 – UNIT 244, B-504 HEATER
S19 – UNIT 244, B-505 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
40 CFR 60, Subpart A	**General Provisions (1/18/08)**		
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 (12/1/15)**		
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.8
Source-specific Applicable Requirements
S15 – UNIT 244, B-501 HEATER
S16 – UNIT 244, B-502 HEATER
S17 – UNIT 244, B-503 HEATER
S18 – UNIT 244, B-504 HEATER
S19 – UNIT 244, B-505 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	
NSPS 40 CFR 60 Appendix F	**Quality Assurance Procedures**		
NESHAP 40 CFR 63, Subpart DDDDD	**National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial, and Institutional Boilers and Process Heaters (11/20/2015)**		
63.7490(d)	Applicability	Y	
63.7495(b)	Compliance Dates	Y	
63.7495(d)	Notification Dates	Y	
63.7499(l)	Gas 1 Designed Units	Y	
63.7500(e)	Applicable Compliance Requirements	Y	
63.7500(f)	Startup and Shutdown Exclusions	Y	
63.7510(e)	Initial Compliance Demonstration	Y	

IV. Source Specific Applicable Requirements

Table IV – A.8
Source-specific Applicable Requirements
S15 – UNIT 244, B-501 HEATER
S16 – UNIT 244, B-502 HEATER
S17 – UNIT 244, B-503 HEATER
S18 – UNIT 244, B-504 HEATER
S19 – UNIT 244, B-505 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.7515(d)	Annual Tune-up Compliance Dates	Y	
63.7530(e)	Notification of Compliance Status Requirements	Y	
63.7530(f)	Notification of Compliance Status Requirements	Y	
63.7540a(13)	Annual Tune-up Requirements if Unit is Not in Operation	Y	
63.7545(a)	Notification Requirements	Y	
63.7545(b)	Initial Notification Requirements	Y	
63.7545(e)	Notification of Compliance Status	Y	
63.7545(f)	Alternative Fuel Usage	Y	
63.7545(h)	Fuel Switch Notification	Y	
63.7550(a)	Reports to Submit	Y	
63.7550(b)	Report Submittal Dates	Y	
63.7550(c)	Compliance Report Requirements	Y	
63.7550(h)	Reporting Procedures	Y	
63.7555(a)	Required Records	Y	
63.7555(h)	Alternative Fuel Usage Records	Y	
63.7555(i)	Records of Startup and Shutdown	Y	
63.7555(j)	Records of Fuels Used During Startup and Shutdown	Y	
63.7560(a)	Recordkeeping Requirements	Y	
63.7560(b)	Duration of Recordkeeping	Y	
63.7560(c)	Location of Records	Y	
Table 3	Work Practice Standards	Y	
Table 9	Reporting Requirements	Y	
Table 10	Applicability of General Provisions (Subpart A)	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.8
Source-specific Applicable Requirements
S15 – UNIT 244, B-501 HEATER
S16 – UNIT 244, B-502 HEATER
S17 – UNIT 244, B-503 HEATER
S18 – UNIT 244, B-504 HEATER
S19 – UNIT 244, B-505 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-409.2]	Y	
Part F.4c	NOx limit 0.015 lb/MMBtu [Basis: Consent Decree Case No. H-05-0258]	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]	Y	
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	Y	
Part 8	CO source test requirement for sources with NOx CEMs [Basis: Regulation 9-10-502]	Y	
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	Y	
Part 10	Recordkeeping requirement [Basis: Regulation 9-10-504]	Y	
Part 11	Compliance demonstration with Alternative Compliance Plan [Basis: Regulation 2-9-303, 9-10-301]	N	
Part 12	Quarterly report showing amount of IERC's used during previous quarter, IERC's used during current ACP period, projection of IERC's required and certification that the facility possesses IERC's equal to the amount projected [Basis: Regulation 2-9-502.3]	N	
Part 13	Annual reconciliation report and surrendering of banking certificate(s) [Basis: Regulation 2-9-502.4]	N	
Part 14	ACP renewal request [Basis: Regulation 2-9-502.2]	N	
Part 15	Recordkeeping requirement [Basis: Regulation 2-9-502.2]	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.9
Source-specific Applicable Requirements
S20 – UNIT 244, B-506 HEATER
S22 – UNIT 248, B-606 HEATER
S29 – UNIT 200, B-5 HEATER
S30 – UNIT 200, B-101 HEATER
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 (5/04/11)**		
1-521	Monitoring May Be Required	Y	
1-523	Parametric Monitoring and Recordkeeping Procedures	N	
1-523.1	Parametric monitor periods of inoperation	Y	
1-523.2	Limits on periods of inoperation	Y	
1-523.3	Reports of Violations	N	
1-523.4	Records	Y	
1-523.5	Maintenance and calibration	N	
SIP Regulation 1	**General Provisions and Definitions (6/28/99)**		
1-523	Parametric Monitoring and Recordkeeping Procedures	Y-note 1	
1-523.3	Reports of Violations	Y[1]	
BAAQMD Regulation 6, Rule 1	**Particulate Matter, General Requirements (12/05/07)**		
6-1-301	Ringelmann #1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310.3	Particulate Weight Limitation; Heat Transfer Operation	N	
6-1-401	Appearance of Emissions	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/98)**		
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation; Heat Transfer Operation	Y	
6-1-401	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 (10/16/13)**		
9-10-301	Emission Limit for Facility, NOx: 0.033 lb NOx/MMbtu	N	
9-10-301.3	...Test-firing on Non-gaseous fuel Contribution	N	

IV. Source Specific Applicable Requirements

Table IV – A.9
Source-specific Applicable Requirements
S20 – UNIT 244, B-506 HEATER
S22 – UNIT 248, B-606 HEATER
S29 – UNIT 200, B-5 HEATER
S30 – UNIT 200, B-101 HEATER
S31 – UNIT 200, B-501 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
9-10-301.5	Units Temporarily Out of Service	N	
9-10-303	Federal Facility-wide NOx emission rate limit	Y	
9-10-305	CO emission limit	N	
9-10-406	Determination of Compliance	N	
9-10-407	Boiler, Steam Generator and Process Heater Status Report	N	
9-10-502	Monitoring	Y	
9-10-502.1	CEMS for NOx, CO, and O2, or equivalent monitoring	Y	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	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	
SIP Regulation 9, Rule 10	**Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon Monoxide from Boilers, Steam Generators, and Process Heaters in Petroleum Refineries (4/2/08)**		
9-10-504	Recordkeeping	Y	
9-10-504.1	Records	Y	
9-10-505	Reporting	Y	
9-10-601	Determination of NOx	Y	
40 CFR 60, Subpart A	**General Provisions (1/18/08)**		
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	

IV. Source Specific Applicable Requirements

Table IV – A.9
Source-specific Applicable Requirements
S20 – UNIT 244, B-506 HEATER
S22 – UNIT 248, B-606 HEATER
S29 – UNIT 200, B-5 HEATER
S30 – UNIT 200, B-101 HEATER
S31 – UNIT 200, B-501 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.11	Compliance with Standards and Maintenance Requirements	Y	
60.11(a)	Compliance 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 (12/1/15)**		
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	**Appendix A to Part 60 – Test Methods**	Y	

IV. Source Specific Applicable Requirements

Table IV – A.9
Source-specific Applicable Requirements
S20 – UNIT 244, B-506 HEATER
S22 – UNIT 248, B-606 HEATER
S29 – UNIT 200, B-5 HEATER
S30 – UNIT 200, B-101 HEATER
S31 – UNIT 200, B-501 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
40 CFR 60, Appendix A			
NSPS 40 CFR 60 Appendix B	**Performance Specifications**		
Performance Specification 7	H2S continuous emission monitoring systems	Y	
NESHAP 40 CFR 63, Subpart DDDDD	**National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial, and Institutional Boilers and Process Heaters (11/20/2015)**		
63.7490(d)	Applicability	Y	
63.7495(b)	Compliance Dates	Y	
63.7495(d)	Notification Dates	Y	
63.7499(l)	Gas 1 Designed Units	Y	
63.7500(e)	Applicable Compliance Requirements	Y	
63.7500(f)	Startup and Shutdown Exclusions	Y	
63.7510(e)	Initial Compliance Demonstration	Y	
63.7515(d)	Annual Tune-up Compliance Dates	Y	
63.7530(e)	Notification of Compliance Status Requirements	Y	
63.7530(f)	Notification of Compliance Status Requirements	Y	
63.7540a(13)	Annual Tune-up Requirements if Unit is Not in Operation	Y	
63.7545(a)	Notification Requirements	Y	
63.7545(b)	Initial Notification Requirements	Y	
63.7545(e)	Notification of Compliance Status	Y	
63.7545(f)	Alternative Fuel Usage	Y	
63.7545(h)	Fuel Switch Notification	Y	
63.7550(a)	Reports to Submit	Y	
63.7550(b)	Report Submittal Dates	Y	
63.7550(c)	Compliance Report Requirements	Y	
63.7550(h)	Reporting Procedures	Y	

IV. Source Specific Applicable Requirements

Table IV – A.9
Source-specific Applicable Requirements
S20 – UNIT 244, B-506 HEATER
S22 – UNIT 248, B-606 HEATER
S29 – UNIT 200, B-5 HEATER
S30 – UNIT 200, B-101 HEATER
S31 – UNIT 200, B-501 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.7555(a)	Required Records	Y	
63.7555(h)	Alternative Fuel Usage Records	Y	
63.7555(i)	Records of Startup and Shutdown	Y	
63.7555(j)	Records of Fuels Used During Startup and Shutdown	Y	
63.7560(a)	Recordkeeping Requirements	Y	
63.7560(b)	Duration of Recordkeeping	Y	
63.7560(c)	Location of Records	Y	
Table 3	Work Practice Standards	Y	
Table 9	Reporting Requirements	Y	
Table 10	Applicability of General Provisions (Subpart A)	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	Individual throughput limits forS20, S22, S29, S30 and 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]	Y	
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	Y	
Part 3	"NOx Box" requirement for sources without NOx CEMs [Basis: Regulation 9-10-502]	Y	

IV. Source Specific Applicable Requirements

Table IV – A.9
Source-specific Applicable Requirements
S20 – UNIT 244, B-506 HEATER
S22 – UNIT 248, B-606 HEATER
S29 – UNIT 200, B-5 HEATER
S30 – UNIT 200, B-101 HEATER
S31 – UNIT 200, B-501 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 4	"NOx Box" development procedure [Basis: Regulation 9-10-502]	Y	
Part 5	"NOx Box" parameters [Basis: Regulation 9-10-502]	Y	
Part 6a	Allowed "NOx Box" deviations [Basis: Regulation 9-10-502]	Y	
Part 6b	"NOx Box" deviation reporting requirement [Basis: Regulation 9-10-502]	Y	
Part 7	NOx, CO, O2 source test requirement for sources without NOx CEMs [Basis: Regulation 9-10-502]	Y	
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	Y	
Part 10	Recordkeeping requirement [Basis: Regulation 9-10-504]	Y	
Part 11	Compliance demonstration with Alternative Compliance Plan [Basis: Regulation 2-9-303, 9-10-301]	N	
Part 12	Quarterly report showing amount of IERC's used during previous quarter, IERC's used during current ACP period, projection of IERC's required and certification that the facility possesses IERC's equal to the amount projected [Basis: Regulation 2-9-502.3]	N	
Part 13	Annual reconciliation report and surrendering of banking certificate(s) [Basis: Regulation 2-9-502.4]	N	
Part 14	ACP renewal request [Basis: Regulation 2-9-502.2]	N	
Part 15	Recordkeeping requirement [Basis: Regulation 2-9-502.2]	N	

Table IV – A.10
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 (7/09/08)**		
1-521	Monitoring May Be Required	Y	
BAAQMD	**Particulate Matter, General Requirements (12/05/07)**		

IV. Source Specific Applicable Requirements

Table IV – A.10
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
Regulation 6, Rule 1			
6-1-301	Ringelmann #1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310.3	Particulate Weight Limitation; Heat Transfer Operation	N	
6-1-401	Appearance of Emissions	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/98)**		
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation; Heat Transfer Operation	Y	
6-1-401	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 (10/16/2013)**		
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	Y	
9-10-504.2	Records	Y	
9-10-505	Reporting	Y	
9-10-605	Tune-up Procedures	Y	
40 CFR 60, Subpart A	**General Provisions (1/18/08)**		
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.10
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
60.8	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 (12/1/15)**		
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.10
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
40 CFR 60 Appendix B			
Performance Specification 7	H2S continuous emission monitoring systems	Y	
NESHAP 40 CFR 63, Subpart DDDDD	**National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial, and Institutional Boilers and Process Heaters (11/20/2015)**		
63.7490(d)	Applicability	Y	
63.7495(b)	Compliance Dates	Y	
63.7495(d)	Notification Dates	Y	
63.7499(l)	Gas 1 Designed Units	Y	
63.7530(e)	Notification of Compliance Status Requirements	Y	
63.7530(f)	Notification of Compliance Status Requirements	Y	
63.7510(e)	Initial Compliance Demonstration	Y	
63.7515(d)	Annual Tune-up Compliance Dates	Y	
63.7530(e)	Notification of Compliance Status	Y	
63.7540a(10)	Annual Tune-Up Requirements	Y	
63.7540a(13)	Annual Tune-up Requirements if Unit is Not in Operation	Y	
63.7545(a)	Notification Requirements	Y	
63.7545(b)	Initial Notification Requirements	Y	
63.7545(e)	Notification of Compliance Status	Y	
63.7545(f)	Alternative Fuel Usage	Y	
63.7545(h)	Fuel Switch Notification	Y	
63.7550(a)	Reports to Submit	Y	
63.7550(b)	Report Submittal Dates	Y	
63.7550(c)	Compliance Report Requirements	Y	
63.7550(h)	Reporting Procedures	Y	
63.7555(a)	Required Records	Y	
63.7555(h)	Alternative Fuel Usage Records	Y	
63.7555(i)	Records of Startup and Shutdown	Y	
63.7555(j)	Records of Fuels Used During Startup and Shutdown	Y	
63.7560(a)	Recordkeeping Requirements	Y	
63.7560(b)	Duration of Recordkeeping	Y	
63.7560(c)	Location of Records	Y	

IV. Source Specific Applicable Requirements

Table IV – A.10
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
Table 3	Work Practice Standards	Y	
Table 9	Reporting Requirements	Y	
Table 10	Applicability of General Provisions (Subpart A)	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 S21 [Basis: 2-1-234.3]	Y	

Table IV – A.11
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 (5/04/11)**		
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.11
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
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 (11/19/08)**		
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, Rule 1	**Particulate Matter, General Requirements (12/05/07)**		
6-1-301	Ringelmann #1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310.3	Particulate Weight Limitation; Heat Transfer Operation	N	
6-1-401	Appearance of Emissions	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/98)**		
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation; Heat Transfer Operation	Y	
6-1-401	Appearance of Emissions	Y	

IV. Source Specific Applicable Requirements

Table IV – A.11
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 9 Rule 10	**Nitrogen Oxides and Carbon Monoxide from Boiler, Steam Generators and Process Heaters in Petroleum Refineries (10/16/13)**		
9-10-110.5	Exemption as heater is subject to BACT requirements	Y	
BAAQMD Manual of Procedures, Volume V	**Continuous Emission Monitoring Policy and Procedures (1/20/82)**	Y	
40 CFR 60, Subpart A	**General Provisions (1/18/08)**		
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	
40 CFR 60, Subpart J	**Standards of Performance for Petroleum Refineries (12/1/15)**		
60.100	Applicability	Y	

IV. Source Specific Applicable Requirements

Table IV – A.11
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
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	
NESHAP 40 CFR 63, Subpart DDDDD	**National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial, and Institutional Boilers and Process Heaters (11/20/2015)**		
63.7490(d)	Applicability	Y	
63.7495(b)	Compliance Dates	Y	
63.7495(d)	Notification Dates	Y	
63.7499(l)	Gas 1 Designed Units	Y	
63.7500(e)	Applicable Compliance Requirements	Y	
63.7500(f)	Startup and Shutdown Exclusions	Y	
63.7510(e)	Initial Compliance Demonstration	Y	
63.7515(d)	Annual Tune-up Compliance Dates	Y	
63.7530(e)	Notification of Compliance Status	Y	
63.7540a(10)	Annual Tune-Up Requirements	Y	
63.7540a(13)	Annual Tune-up Requirements if Unit is Not in Operation	Y	
63.7545(a)	Notification Requirements	Y	
63.7545(b)	Initial Notification Requirements	Y	
63.7545(e)	Notification of Compliance Status	Y	
63.7545(f)	Alternative Fuel Usage	Y	
63.7545(h)	Fuel Switch Notification	Y	
63.7550(a)	Reports to Submit	Y	
63.7550(b)	Report Submittal Dates	Y	
63.7550(c)	Compliance Report Requirements	Y	
63.7550(h)	Reporting Procedures	Y	

IV. Source Specific Applicable Requirements

Table IV – A.11
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
63.7555(a)	Required Records	Y	
63.7555(h)	Alternative Fuel Usage Records	Y	
63.7555(i)	Records of Startup and Shutdown	Y	
63.7555(j)	Records of Fuels Used During Startup and Shutdown	Y	
63.7560(a)	Recordkeeping Requirements	Y	
63.7560(b)	Duration of Recordkeeping	Y	
63.7560(c)	Location of Records	Y	
Table 3	Work Practice Standards	Y	
Table 9	Reporting Requirements	Y	
Table 10	Applicability of General Provisions (Subpart A)	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 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	

IV. Source Specific Applicable Requirements

Table IV – A.11
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 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	
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 – A.12
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 (5/04/11)**		
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		
1-522.3	CEM performance testing		
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 (11/19/08)**		
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, Rule 1	**Particulate Matter; General Requirements (12/05/07)**		
6-1-301	Ringelmann #1 Limitation	N	
6-1-304	Tube Cleaning	N	

IV. Source Specific Applicable Requirements

Table IV – A.12
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
6-1-305	Visible Particles	N	
6-1-310.3	Particulate Weight Limitation; Heat Transfer Operation	N	
6-1-410	Appearance of Emissions	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/98)**		
6-301	Ringelmann No. 1 Limitation	Y	
6-304	Tube Cleaning	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation; Heat Transfer Operation	Y	
6-1-410	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)**		
9-10-301	Emission Limit for Facility, NOx: 0.033 lb NOx/MMbtu	N	
9-10-301.3	...Test-firing on Non-gaseous fuel Contribution	N	
9-10-301.5	Units Temporarily Out of Service	N	
9-10-303	Federal Facility-wide and CO Boiler NOx emission rate limit	Y	
9-10-305	CO emission limit	N	
9-10-406	Determination of Compliance	N	
9-10-407	Boiler, Steam Generator and Process Heater Status Report	N	
9-10-502	Monitoring	Y	
9-10-502.1	CEMS for NOx, CO, and O2, or equivalent monitoring	Y	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	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	
SIP Regulation 9, Rule 10	**Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon Monoxide from Boilers, Steam Generators, and Process Heaters in Petroleum Refineries (4/2/08)**		
9-10-504	Recordkeeping	Y	
9-10-504.1	Records	Y	
9-10-505	Reporting	Y	

IV. Source Specific Applicable Requirements

Table IV – A.12
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
9-10-601	Determination of NOx	Y	
BAAQMD Manual of Procedures, Volume V	**Continuous Emission Monitoring Policy and Procedures (1/20/82)**	Y	
40 CFR 60, Subpart A	**General Provisions (1/18/08)**		
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	
40 CFR 60, Subpart J	**Standards of Performance for Petroleum Refineries (12/1/2015)**		
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.12
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
	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	
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	
NESHAP 40 CFR 63, Subpart DDDDD	**National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial, and Institutional Boilers and Process Heaters (11/20/2015)**		
63.7490(d)	Applicability	Y	
63.7495(b)	Compliance Dates	Y	
63.7495(d)	Notification Dates	Y	
63.7499(l)	Gas 1 Designed Units	Y	
63.7500(e)	Applicable Compliance Requirements	Y	
63.7500(f)	Startup and Shutdown Exclusions	Y	
63.7510(e)	Initial Compliance Demonstration	Y	
63.7515(d)	Annual Tune-up Compliance Dates	Y	
63.7530(e)	Notification of Compliance Status	Y	
63.7540a(10)	Annual Tune-Up Requirements	Y	
63.7540a(13)	Annual Tune-up Requirements if Unit is Not in Operation	Y	
63.7545(a)	Notification Requirements	Y	
63.7545(b)	Initial Notification Requirements	Y	
63.7545(e)	Notification of Compliance Status	Y	
63.7545(f)	Alternative Fuel Usage	Y	
63.7545(h)	Fuel Switch Notification	Y	

IV. Source Specific Applicable Requirements

Table IV – A.12
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
63.7550(a)	Reports to Submit	Y	
63.7550(b)	Report Submittal Dates	Y	
63.7550(c)	Compliance Report Requirements	Y	
63.7550(h)	Reporting Procedures	Y	
63.7555(a)	Required Records	Y	
63.7555(h)	Alternative Fuel Usage Records	Y	
63.7555(i)	Records of Startup and Shutdown	Y	
63.7555(j)	Records of Fuels Used During Startup and Shutdown	Y	
63.7560(a)	Recordkeeping Requirements	Y	
63.7560(b)	Duration of Recordkeeping	Y	
63.7560(c)	Location of Records	Y	
Table 3	Work Practice Standards	Y	
Table 9	Reporting Requirements	Y	
Table 10	Applicability of General Provisions (Subpart A)	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	
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			

IV. Source Specific Applicable Requirements

Table IV – A.12
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 1	Sources subject to Regulation 9-10–301 and 9-10-305 [Basis: Regulation 9-10-301, 9-10-305]	Y	
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	Y	
Part 8	CO source test requirement for sources with NOx CEMs [Basis: Regulation 9-10-502]	Y	
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	Y	
Part 10	Recordkeeping requirement [Basis: Regulation 9-10-504]	Y	
Part 11	Compliance demonstration with Alternative Compliance Plan [Basis: Regulation 2-9-303, 9-10-301]	N	
Part 12	Quarterly report showing amount of IERC's used during previous quarter, IERC's used during current ACP period, projection of IERC's required and certification that the facility possesses IERC's equal to the amount projected [Basis: Regulation 2-9-502.3]	N	
Part 13	Annual reconciliation report and surrendering of banking certificate(s) [Basis: Regulation 2-9-502.4]	N	
Part 14	ACP renewal request [Basis: Regulation 2-9-502.2]	N	
Part 15	Recordkeeping requirement [Basis: Regulation 2-9-502.2]	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.

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Table IV – A.13
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 (7/09/08)**		
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		
1-522.3	CEM performance testing	Y	
1-522.4	reporting of inoperative CEMs	Y	
1-522.5	CEM calibration requirements	Y	
1-522.6	CEM accuracy requirements	Y	
1-522.7	emission limit exceedance reporting requirements	N	
1-522.8	monitoring data submittal requirements	Y	
1-522.9	recordkeeping requirements	Y	
1-522.10	Regulation 1-521 monitors shall 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 (11/19/08)**		
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, Rule 1	**Particulate Matter; General Requirements (12/05/07)**		
6-1-301	Ringelmann #1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310.3	Particulate Weight Limitation; Heat Transfer Operation	N	

IV. Source Specific Applicable Requirements

Table IV – A.13
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
6-1-401	Appearance of Emissions	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/98)**		
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation; Heat Transfer Operation	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)**		
9-10-301	Emission Limit for Facility, NOx: 0.033 lb NOx/MMbtu	N	
9-10-301.1		N	
9-10-301.2		N	
9-10-301.3	...Test-firing on Non-gaseous fuel Contribution	N	
9-10-301.5	Units Temporarily Out of Service	N	
9-10-303	Federal Facility-wide NOx emission rate limit	Y	
9-10-305	CO emission limit	N	
9-10-406	Determination of Compliance	N	
9-10-407	Boiler, Steam Generator and Process Heater Status Report	N	
9-10-502	Monitoring	Y	
9-10-502.1	CEMS for NOx, CO, and O2, or equivalent monitoring	Y	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	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	
SIP Regulation 9, Rule 10	**Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon Monoxide from Boilers, Steam Generators, and Process Heaters in Petroleum Refineries (4/2/08)**		
9-10-504	Recordkeeping	Y	
9-10-504.1	Records	Y	
9-10-505	Reporting	Y	
9-10-601	Determination of NOx	Y	

IV. Source Specific Applicable Requirements

Table IV – A.13
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 Manual of Procedures, Volume V	**Continuous Emission Monitoring Policy and Procedures (1/20/82)**	Y	
40 CFR 60, Subpart A	**General Provisions (1/18/08)**		
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	
40 CFR 60, Subpart J	**Standards of Performance for Petroleum Refineries (12/01/2015)**		
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.13
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
60.105	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	
NESHAP 40 CFR 63, Subpart DDDDD	**National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial, and Institutional Boilers and Process Heaters (11/20/2015)**		
63.7490(d)	Applicability	Y	
63.7495(b)	Compliance Dates	Y	
63.7495(d)	Notification Dates	Y	
63.7499(l)	Gas 1 Designed Units	Y	
63.7500(e)	Applicable Compliance Requirements	Y	
63.7500(f)	Startup and Shutdown Exclusions	Y	
63.7510(e)	Initial Compliance Demonstration	Y	
63.7515(d)	Annual Tune-up Compliance Dates	Y	
63.7530(e)	Notification of Compliance Status	Y	
63.7540a(10)	Annual Tune-Up Requirements	Y	
63.7540a(13)	Annual Tune-up Requirements if Unit is Not in Operation	Y	
63.7545(a)	Notification Requirements	Y	
63.7545(b)	Initial Notification Requirements	Y	
63.7545(e)	Notification of Compliance Status	Y	
63.7545(f)	Alternative Fuel Usage	Y	
63.7545(h)	Fuel Switch Notification	Y	
63.7550(a)	Reports to Submit	Y	

IV. Source Specific Applicable Requirements

Table IV – A.13
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
63.7550(b)	Report Submittal Dates	Y	
63.7550(c)	Compliance Report Requirements	Y	
63.7550(h)	Reporting Procedures	Y	
63.7555(a)	Required Records	Y	
63.7555(h)	Alternative Fuel Usage Records	Y	
63.7555(i)	Records of Startup and Shutdown	Y	
63.7555(j)	Records of Fuels Used During Startup and Shutdown	Y	
63.7560(a)	Recordkeeping Requirements	Y	
63.7560(b)	Duration of Recordkeeping	Y	
63.7560(c)	Location of Records	Y	
Table 3	Work Practice Standards	Y	
Table 9	Reporting Requirements	Y	
Table 10	Applicability of General Provisions (Subpart A)	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]	Y	

IV. Source Specific Applicable Requirements

Table IV – A.13
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
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	Y	
Part 8	CO source test requirement for sources with NOx CEMs [Basis: Regulation 9-10-502]	Y	
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	Y	
Part 10	Recordkeeping requirement [Basis: Regulation 9-10-504]	Y	
Part 11	Compliance demonstration with Alternative Compliance Plan [Basis: Regulation 2-9-303, 9-10-301]	N	
Part 12	Quarterly report showing amount of IERC's used during previous quarter, IERC's used during current ACP period, projection of IERC's required and certification that the facility possesses IERC's equal to the amount projected [Basis: Regulation 2-9-502.3]	N	
Part 13	Annual reconciliation report and surrendering of banking certificate(s) [Basis: Regulation 2-9-502.4]	N	
Part 14	ACP renewal request [Basis: Regulation 2-9-502.2]	N	
Part 15	Recordkeeping requirement [Basis: Regulation 2-9-502.2]	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.14
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, Rule 1	**Particulate Matter, General Requirements (12/05/07)**		
6-1-303.1	Ringelmann #2 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310	Particulate Weight Limitation	N	
6-1-401	Appearance of Emissions	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/98)**		
6-303.1	Ringelmann No. 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 (7/25/07)**		
9-8-111.3	Limit Exemptions for Low Usage: Effective 1/1/12, engines which operate less than 100 hours in any 12-consecutive month period are only subject to 9-8-502.1 and 9-8-530.	N	
9-8-502	Recordkeeping	N	
9-8-502.1	Hours of Operation	N	
9-8-530	Emergency Standby and Low Usage Engines, Monitoring and Recordkeeping	N	
CCR, Title 17, Section 93115	**ATCM for Stationary Compression Ignition Engines (5/19/2011)**		
93115.3	Exemptions	N	
93115.3(j)	Exemption for Low-Use Prime Engines Outside of School Boundaries	N	
93115.5	Fuel Requirements	N	
93115.5(a)	Fuel Requirements for new or in-use stationary CI engines	N	
93115.10	Recordkeeping, Reporting, & Monitoring Requirements	N	
93115.15	Severability	N	

IV. Source Specific Applicable Requirements

Table IV – A.14
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
40 CFR 63, Subpart ZZZZ	**National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines Standards of Performance for Stationary Compression Ignition Internal Combustion Engines (01/30/13)**	**Y**	
63.6602	Existing Engine Requirements	Y	
63.6605	General Compliance Requirements	Y	
63.6625	Operation and Maintenance Requirements	Y	
63.6640	Continuous Compliance Requirements	Y	
63.6655	Recordkeeping Requirements	Y	
63.6660	Record Retention	Y	
Table 2c(1)	Existing Engine Requirements	Y	
Table 6(9)	Continuous Compliance with Emission Limitations and Other Requirements	Y	
BAAQMD Condition 19488			
Part 1	60 hr/yr combined total operating limit for S50, S51 and S52 [Basis: "Stationary Diesel Engine ATCM" 93115.3(j)]	N	
Part 2	Operating hour records [Basis: "Stationary Diesel Engine ATCM" 93115.10(f)]	N	

Table IV – A.15
Source-specific Applicable Requirements
S53, 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, Rule 1	**Particulate Matter; General Requirements (12/05/07)**		
6-1-303.1	Ringelmann #2 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310	Particulate Weight Limitation	N	
6-1-401	Appearance of Emissions	N	

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Table IV – A.15
Source-specific Applicable Requirements
S53, S56, S57, S58, S59 – EMERGENCY DIESEL ENGINES

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/98)**		
6-303.1	Ringelmann No. 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 (7/25/07)**		
9-8-110.5	Exemptions: Emergency Standby Engines	N	
9-8-330	Emergency Standby Engines, Hours of Operation	N	
9-8-330.1	Emergency Standby Engines, Emergency Operation	N	
9-8-330.3	Emergency Standby Engines, Reliability-Related Activities ≤50 hours/yr	N	
9-8-502.1	Monthly records of usage	N	
9-8-530	Emergency standby engines, monitoring and recordkeeping	N	
CCR, Title 17, Section 93115	**ATCM for Stationary Compression Ignition Engines (05/19/11) (S53 – Emergency Electricity Generator)**		
93115.5	Fuel Requirements	N	
93115.6	ATCM for Stationary CI Engines – Emergency Standby Diesel-Fueled CI Engine (>50 bhp) Operating Requirements and Emission Standards	N	
93115.6(b)	In-Use Emergency Standby Diesel-Fueled CI Engine (> 50 bhp) Operating Requirements and Emission Standards	N	
93115.6(b)(3)	Emission and operation standards	N	
93115.6(b)(3)(A)	Diesel PM Standard and Hours of Operation Limitations	N	
93115.6(b)(3)(A)(1)	General Requirements	N	
93115.6(b)(3)(A)(1)(a)	20 hours/yr for maintenance & testing	N	

IV. Source Specific Applicable Requirements

Table IV – A.15
Source-specific Applicable Requirements
S53, S56, S57, S58, S59 – EMERGENCY DIESEL ENGINES

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
93115.10(e)(1)	Monitoring Equipment	N	
93115.10(f)	Reporting Requirements for Emergency Standby Engines	N	
93115.15	Severability	N	
CCR, Title 17, Section 93115	**ATCM for Stationary Compression Ignition Engines (05/19/11) (S56, S57, S58, S59 – Firewater Pump Engines)**		
93115.3	Exemptions	N	
95113.3(n)	Exemption for In-Use Emergency Fire Pump Assemblies	N	
93115.5	Fuel Requirements	N	
93115.10(f)	Reporting Requirements for Emergency Standby Engines	N	
93115.15	Severability	N	
40 CFR 63, Subpart ZZZZ	**National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines Standards of Performance for Stationary Compression Ignition Internal Combustion Engines (01/30/13)**	**Y**	
63.6602	Emission Limitations	Y	
63.6605	General Compliance Requirements	Y	
63.6625	Good Air Pollution Control Practice Requirements Monitoring, Installation, Collection, Operation, and Maintenace Requirements	Y	
63.6640	Continuous Compliance Requirements	Y	
63.6650	Types of Reports to Submit and Submittal Dates	Y	
63.6655	Recordkeeping Requirements	Y	
63.6660	Record Retention	Y	
63.6665	General Provision Applicability	Y	
Table 2c	Existing Emergency Engine Requirements	Y	
BAAQMD Condition 19488			
Part 3	20 hr/yr operating limit (non-emergency) for S53 [Basis: "Stationary Diesel Engine ATCM" 93115.6(b)(3)(A)(1)(a)]	N	
Part 5	Monitoring for S53 [Basis: "Stationary Diesel Engine ATCM" 93115.10(e)(1)]	N	
Part 6	Operating hour records for S53 [Basis: "Stationary Diesel Engine ATCM" 93115.10(g)]	N	
Part 7	50 hr/yr operating limit per engine for S56, S57, S58 and S59, Firewater pump engines [Basis: "Stationary Diesel Engine ATCM"	N	

IV. Source Specific Applicable Requirements

Table IV – A.15
Source-specific Applicable Requirements
S53, S56, S57, S58, S59 – EMERGENCY DIESEL ENGINES

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	93115.3(n)		
Part 8	Operating hour records for S56, S57, S58 and S59, Firewater pump engines [Basis: "Stationary Diesel Engine ATCM" 93115.10(g)	N	

Table IV – A.16
Source-specific Applicable Requirements
S336 – UNIT 231, B-104 HEATER
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 (5/04/11)]**		
1-521	Monitoring May Be Required	Y	
1-523	Parametric Monitoring and Recordkeeping Procedures	N	
1-523.1	Parametric monitor periods of inoperation	Y	
1-523.2	Limits on periods of inoperation	Y	
1-523.3	Reports of Violations	N	
1-523.4	Records	Y	
1-523.5	Maintenance and calibration	N	
SIP Regulation 1	**General Provisions and Definitions (6/28/99)**		
1-523	Parametric Monitoring and Recordkeeping Procedures	Y-note 1	
1-523.3	Reports of Violations	Y[1]	
BAAQMD Regulation 6, Rule 1	**Particulate Matter, General Requirements (12/05/07)**		
6-1-301	Ringelmann #1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310.3	Particulate Weight Limitation; Heat Transfer Operation	N	
6-1-401	Appearance of Emissions	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/98)**		
6-301	Ringelmann No. 1 Limitation	Y	

IV. Source Specific Applicable Requirements

Table IV – A.16
Source-specific Applicable Requirements
S336 – UNIT 231, B-104 HEATER
S337 – UNIT 231, B-105 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation; Heat Transfer Operation	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)**		
9-10-301	Emission Limit for Facility, NOx: 0.033 lb NOx/MMbtu	N	
9-10-301.3	...Test-firing on Non-gaseous fuel Contribution	N	
9-10-301.5	Units Temporarily Out of Service	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	Y	
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	
SIP Regulation 9, Rule 10	**Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon Monoxide from Boilers, Steam Generators, and Process Heaters in Petroleum Refineries (10/16/13)**		
9-10-504	Recordkeeping	Y	
9-10-504.1	Records	Y	
9-10-505	Reporting	Y	
9-10-601	Determination of NOx	Y	
40 CFR 60, Subpart A	**General Provisions (1/18/08)**		
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.16
Source-specific Applicable Requirements
S336 – UNIT 231, B-104 HEATER
S337 – UNIT 231, B-105 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	
40 CFR 60, Subpart J	**Standards of Performance for Petroleum Refineries (12/1/15)**		
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	

IV. Source Specific Applicable Requirements

Table IV – A.16
Source-specific Applicable Requirements
S336 – UNIT 231, B-104 HEATER
S337 – UNIT 231, B-105 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	
NESHAP 40 CFR 63, Subpart DDDDD	**National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial, and Institutional Boilers and Process Heaters (11/20/2015)**		
63.7490(d)	Applicability	Y	
63.7495(b)	Compliance Dates	Y	
63.7495(d)	Notification Dates	Y	
63.7499(l)	Gas 1 Designed Units	Y	
63.7500(e)	Applicable Compliance Requirements	Y	
63.7500(f)	Startup and Shutdown Exclusions	Y	
63.7510(e)	Initial Compliance Demonstration	Y	
63.7515(d)	Annual Tune-up Compliance Dates	Y	
63.7530(e)	Notification of Compliance Status	Y	
63.7540a(10)	Annual Tune-Up Requirements	Y	
63.7540a(13)	Annual Tune-up Requirements if Unit is Not in Operation	Y	
63.7545(a)	Notification Requirements	Y	
63.7545(b)	Initial Notification Requirements	Y	
63.7545(e)	Notification of Compliance Status	Y	
63.7545(f)	Alternative Fuel Usage	Y	
63.7545(h)	Fuel Switch Notification	Y	
63.7550(a)	Reports to Submit	Y	
63.7550(b)	Report Submittal Dates	Y	
63.7550(c)	Compliance Report Requirements	Y	
63.7550(h)	Reporting Procedures	Y	
63.7555(a)	Required Records	Y	
63.7555(h)	Alternative Fuel Usage Records	Y	
63.7555(i)	Records of Startup and Shutdown	Y	
63.7555(j)	Records of Fuels Used During Startup and Shutdown	Y	
63.7560(a)	Recordkeeping Requirements	Y	

IV. Source Specific Applicable Requirements

Table IV – A.16
Source-specific Applicable Requirements
S336 – UNIT 231, B-104 HEATER
S337 – UNIT 231, B-105 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.7560(b)	Duration of Recordkeeping	Y	
63.7560(c)	Location of Records	Y	
Table 3	Work Practice Standards	Y	
Table 9	Reporting Requirements	Y	
Table 10	Applicability of General Provisions (Subpart A)	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	Individual throughput limits for sources S336 and 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]	Y	
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	Y	
Part 3	"NOx Box" requirement for sources without NOx CEMs [Basis: Regulation 9-10-502]	Y	
Part 4	"NOx Box" development procedure [Basis: Regulation 9-10-502]	Y	
Part 5	"NOx Box" parameters [Basis: Regulation 9-10-502]	Y	
Part 6a	Allowed "NOx Box" deviations [Basis: Regulation 9-10-502]	Y	
Part 6b	"NOx Box" deviation reporting requirement [Basis: Regulation 9-10-502]	Y	
Part 7	NOx, CO, O2 source test requirement for sources without NOx CEMs [Basis: Regulation 9-10-502]	Y	
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	Y	

IV. Source Specific Applicable Requirements

Table IV – A.16
Source-specific Applicable Requirements
S336 – UNIT 231, B-104 HEATER
S337 – UNIT 231, B-105 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]	Y	
Part 11	Compliance demonstration with Alternative Compliance Plan [Basis: Regulation 2-9-303, 9-10-301]	N	
Part 12	Quarterly report showing amount of IERC's used during previous quarter, IERC's used during current ACP period, projection of IERC's required and certification that the facility possesses IERC's equal to the amount projected [Basis: Regulation 2-9-502.3]	N	
Part 13	Annual reconciliation report and surrendering of banking certificate(s) [Basis: Regulation 2-9-502.4]	N	
Part 14	ACP renewal request [Basis: Regulation 2-9-502.2]	N	
Part 15	Recordkeeping requirement [Basis: Regulation 2-9-502.2]	N	

Table IV – A.17
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 (7/09/08)**		
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		
1-522.3	CEM performance testing	N	
1-522.4	reporting of inoperative CEMs	Y	
1-522.5	CEM calibration requirements	Y	
1-522.6	CEM accuracy requirements	Y	
1-522.7	emission limit exceedance reporting requirements	N	
1-522.8	monitoring data submittal requirements	Y	
1-522.9	recordkeeping requirements	Y	

IV. Source Specific Applicable Requirements

Table IV – A.17
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
1-522.10	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 (11/19/08)**		
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, Rule 1	**Particulate Matter, General Requirements (12/05/07)**		
6-1-301	Ringelmann #1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310.3	Particulate Weight Limitation; Heat Transfer Operation	N	
6-1-401	Appearance of Emissions	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/98)**		
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation; Heat Transfer Operation	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 (10/16/13)**		
9-10-301	Emission Limit for Facility, NOx: 0.033 lb NOx/MMbtu	N	
9-10-301.3	...Test-firing on Non-gaseous fuel Contribution	N	
9-10-301.5	Units Temporarily Out of Service	N	

IV. Source Specific Applicable Requirements

Table IV – A.17
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
9-10-303	Federal Facility-wide NOx emission rate limit	Y	
9-10-305	CO emission limit	N	
9-10-502	Monitoring	Y	
9-10-406	Determination of Compliance	N	
9-10-407	Boiler, Steam Generator and Process Heater Status Report	N	
9-10-502.1	CEMS for NOx, CO, and O2, or equivalent monitoring	Y	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	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	
SIP Regulation 9, Rule 10	**Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon Monoxide from Boilers, Steam Generators, and Process Heaters in Petroleum Refineries (4/2/08)**		
9-10-504	Recordkeeping	Y	
9-10-504.1	Records	Y	
9-10-505	Reporting	Y	
9-10-601	Determination of NOx	Y	
BAAQMD Manual of Procedures, Volume V	**Continuous Emission Monitoring Policy and Procedures (1/20/82)**	Y	
40 CFR 60, Subpart A	**General Provisions (1/18/08)**		
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.17
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
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	
40 CFR 60, Subpart J	**Standards of Performance for Petroleum Refineries (12/1/15)**		
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	H2S continuous emission monitoring systems	Y	

IV. Source Specific Applicable Requirements

Table IV – A.17
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
Specification 7			
NESHAP 40 CFR 63, Subpart DDDDD	**National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial, and Institutional Boilers and Process Heaters (11/20/2015)**		
63.7490(d)	Applicability	Y	
63.7495(b)	Compliance Dates	Y	
63.7495(d)	Notification Dates	Y	
63.7499(l)	Gas 1 Designed Units	Y	
63.7500(e)	Applicable Compliance Requirements	Y	
63.7500(f)	Startup and Shutdown Exclusions	Y	
63.7510(e)	Initial Compliance Demonstration	Y	
63.7515(d)	Annual Tune-up Compliance Dates	Y	
63.7530(e)	Notification of Compliance Status	Y	
63.7540a(10)	Annual Tune-Up Requirements	Y	
63.7540a(13)	Annual Tune-up Requirements if Unit is Not in Operation	Y	
63.7545(a)	Notification Requirements	Y	
63.7545(b)	Initial Notification Requirements	Y	
63.7545(e)	Notification of Compliance Status	Y	
63.7545(f)	Alternative Fuel Usage	Y	
63.7545(h)	Fuel Switch Notification	Y	
63.7550(a)	Reports to Submit	Y	
63.7550(b)	Report Submittal Dates	Y	
63.7550(c)	Compliance Report Requirements	Y	
63.7550(h)	Reporting Procedures	Y	
63.7555(a)	Required Records	Y	
63.7555(h)	Alternative Fuel Usage Records	Y	
63.7555(i)	Records of Startup and Shutdown	Y	
63.7555(j)	Records of Fuels Used During Startup and Shutdown	Y	
63.7560(a)	Recordkeeping Requirements	Y	
63.7560(b)	Duration of Recordkeeping	Y	
63.7560(c)	Location of Records	Y	
Table 3	Work Practice Standards	Y	
Table 9	Reporting Requirements	Y	

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Table IV – A.17
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
Table 10	Applicability of General Provisions (Subpart A)	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 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]	Y	
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	Y	
Part 8	CO source test requirement for sources with NOx CEMs [Basis: Regulation 9-10-502]	Y	
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	Y	
Part 10	Recordkeeping requirement [Basis: Regulation 9-10-504]	Y	
Part 11	Compliance demonstration with Alternative Compliance Plan [Basis: Regulation 2-9-303, 9-10-301]	N	
Part 12	Quarterly report showing amount of IERC's used during previous quarter, IERC's used during current ACP period, projection of IERC's required and certification that the facility possesses IERC's equal to the amount projected [Basis: Regulation 2-9-502.3]	N	

IV. Source Specific Applicable Requirements

Table IV – A.17
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
Part 13	Annual reconciliation report and surrendering of banking certificate(s) [Basis: Regulation 2-9-502.4]	N	
Part 14	ACP renewal request [Basis: Regulation 2-9-502.2]	N	
Part 15	Recordkeeping requirement [Basis: Regulation 2-9-502.2]	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.18
Source-specific Applicable Requirements
S371 – UNIT 228, B-520 FURNACE
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 (7/09/08)**		
1-107	Combination of Emissions	Y	
1-521	Monitoring May Be Required	Y	
1-522	Continuous Emission Monitoring and Recordkeeping Procedures		
1-522.3	CEM performance testing	Y	
1-522.4	reporting of inoperative CEMs	Y	
1-522.5	CEM calibration requirements	Y	
1-522.6	CEM accuracy requirements	Y	
1-522.7	emission limit exceedance reporting requirements	N	
1-522.8	monitoring data submittal requirements	Y	
1-522.9	recordkeeping requirements	Y	
1-522.10	Regulation 1-521 monitors shall 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, Rule 1	**Particulate Matter, General Requirements (12/05/07)**		
6-1-301	Ringelmann #1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310.3	Particulate Weight Limitation; Heat Transfer Operation	N	
6-1-401	Appearance of Emissions	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/98)**		
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation; Heat Transfer Operation	Y	
6-401	Appearance of Emissions	Y	
BAAQMD	**Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon**		

IV. Source Specific Applicable Requirements

Table IV – A.18
Source-specific Applicable Requirements
S371 – UNIT 228, B-520 FURNACE
S372 – UNIT 228, B-521 FURNACE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Regulation 9, Rule 10	**Monoxide from Boilers, Steam Generators, and Process Heaters in Petroleum Refineries (10/16/13)**		
9-10-301	Emission Limit for Facility, NOx: 0.033 lb NOx/MMbtu	N	
9-10-301.3	...Test-firing on Non-gaseous fuel Contribution	N	
9-10-301.5	Units Temporarily Out of Service	N	
9-10-303	Federal Facility-wide NOx emission rate limit	Y	
9-10-305	CO emission limit	N	
9-10-406	Determination of Compliance	N	
9-10-407	Boiler, Steam generator and Process Heater Status Report	N	
9-10-502	Monitoring	Y	
9-10-502.1	CEMS for NOx, CO, and O2, or equivalent monitoring	Y	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	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	
SIP Regulation 9, Rule 10	**Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon Monoxide from Boilers, Steam Generators, and Process Heaters in Petroleum Refineries (4/2/08)**		
9-10-504	Recordkeeping	Y	
9-10-504.1	Records	Y	
9-10-505	Reporting	Y	
9-10-601	Determination of NOx	Y	
BAAQMD Manual of Procedures, Volume V	**Continuous Emission Monitoring Policy and Procedures (1/20/82)**	Y	
40 CFR 60, Subpart A	**General Provisions (1/18/08)**		
60.7(b)	Records	Y	
60.7(c)	Notification and recordkeeping for continuous monitoring	Y	

IV. Source Specific Applicable Requirements

Table IV – A.18
Source-specific Applicable Requirements
S371 – UNIT 228, B-520 FURNACE
S372 – UNIT 228, B-521 FURNACE

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	
40 CFR 60, Subpart J	**Standards of Performance for Petroleum Refineries (12/1/15)**		
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.18
Source-specific Applicable Requirements
S371 – UNIT 228, B-520 FURNACE
S372 – UNIT 228, B-521 FURNACE

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	
40 CFR 60, Appendix B	**Performance Specifications**		
Performance Specification 7	H2S continuous emission monitoring systems	Y	
NESHAP 40 CFR 63, Subpart DDDDD	**National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial, and Institutional Boilers and Process Heaters (11/20/2015)**		
63.7490(d)	Applicability	Y	
63.7495(b)	Compliance Dates	Y	
63.7495(d)	Notification Dates	Y	
63.7499(l)	Gas 1 Designed Units	Y	
63.7500(e)	Applicable Compliance Requirements	Y	
63.7500(f)	Startup and Shutdown Exclusions	Y	
63.7510(e)	Initial Compliance Demonstration	Y	
63.7515(d)	Annual Tune-up Compliance Dates	Y	
63.7530(e)	Notification of Compliance Status	Y	
63.7540a(10)	Annual Tune-Up Requirements	Y	
63.7540a(13)	Annual Tune-up Requirements if Unit is Not in Operation	Y	
63.7545(a)	Notification Requirements	Y	
63.7545(b)	Initial Notification Requirements	Y	
63.7545(e)	Notification of Compliance Status	Y	
63.7545(f)	Alternative Fuel Usage	Y	
63.7545(h)	Fuel Switch Notification	Y	
63.7550(a)	Reports to Submit	Y	
63.7550(b)	Report Submittal Dates	Y	
63.7550(c)	Compliance Report Requirements	Y	
63.7550(h)	Reporting Procedures	Y	
63.7555(a)	Required Records	Y	
63.7555(h)	Alternative Fuel Usage Records	Y	

IV. Source Specific Applicable Requirements

Table IV – A.18
Source-specific Applicable Requirements
S371 – UNIT 228, B-520 FURNACE
S372 – UNIT 228, B-521 FURNACE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.7555(i)	Records of Startup and Shutdown	Y	
63.7555(j)	Records of Fuels Used During Startup and Shutdown	Y	
63.7560(a)	Recordkeeping Requirements	Y	
63.7560(b)	Duration of Recordkeeping	Y	
63.7560(c)	Location of Records	Y	
Table 3	Work Practice Standards	Y	
Table 9	Reporting Requirements	Y	
Table 10	Applicability of General Provisions (Subpart A)	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 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	Individual throughput limits for sources S371 and S372 [Basis: 2-1-234.3]	Y	
BAAQMD Condition 21235			
Part 1	Sources subject to Regulation 9-10–301 and 9-10-305 [Basis:	Y	

IV. Source Specific Applicable Requirements

Table IV – A.18
Source-specific Applicable Requirements
S371 – UNIT 228, B-520 FURNACE
S372 – UNIT 228, B-521 FURNACE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	Regulation 9-10-301, 9-10-305]		
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	Y	
Part 8	CO source test requirement for sources with NOx CEMs [Basis: Regulation 9-10-502]	Y	
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	Y	
Part 10	Recordkeeping requirement [Basis: Regulation 9-10-504]	Y	
Part 11	Compliance demonstration with Alternative Compliance Plan [Basis: Regulation 2-9-303, 9-10-301]	N	
Part 12	Quarterly report showing amount of IERC's used during previous quarter, IERC's used during current ACP period, projection of IERC's required and certification that the facility possesses IERC's equal to the amount projected [Basis: Regulation 2-9-502.3]	N	
Part 13	Annual reconciliation report and surrendering of banking certificate(s) [Basis: Regulation 2-9-502.4]	N	
Part 14	ACP renewal request [Basis: Regulation 2-9-502.2]	N	
Part 15	Recordkeeping requirement [Basis: Regulation 2-9-502.2]	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.19
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 (7/09/08)**		
1-521	Monitoring May Be Required	Y	
1-522	Continuous Emission Monitoring and Recordkeeping Procedures		
1-522.3	performance test requirements	Y	
1-522.4	reporting of inoperative CEMs	Y	

IV. Source Specific Applicable Requirements

Table IV – A.19
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
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, Rule 1	**Particulate Matter, General Requirements (12/05/07)**		
6-1-301	Ringelmann #1 Limitation	N	
6-1-304	Tube Cleaning	N	
6-1-305	Visible Particles	N	
6-1-310.3	Particulate Weight Limitation; Heat Transfer Operation	N	
6-1-401	Appearance of Emissions	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/98)**		
6-301	Ringelmann No. 1 Limitation	Y	
6-304	Tube Cleaning	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation; Heat Transfer Operation	Y	
6-1-401	Appearance of Emissions	Y	
BAAQMD Regulation 9 Rule 10	**Nitrogen Oxides and Carbon Monoxide from Boiler, Steam Generators and Process Heaters in Petroleum Refineries (10/16/13)**		
9-10-110.5	Exemption as heater is subject to BACT requirements	Y	
BAAQMD Manual of Procedures, Volume V	**Continuous Emission Monitoring Policy and Procedures (1/20/82)**	Y	

IV. Source Specific Applicable Requirements

Table IV – A.19
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
40 CFR 60, Subpart A	**General Provisions (1/18/08)**		
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	
40 CFR 60, Subpart J	**Standards of Performance for Petroleum Refineries (12/1/15)**		
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.19
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(a)(4)(iv)	Exemption from SO2 or H2S monitoring for fuel inherently low in sulfur content (UK Sweet gas and PSA off gas)	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	
60.107(e)	Recordkeeping – Maintain records of 60.105(a)(4)(iv) exemption chosen.	Y	
40 CFR 60, Subpart A	**New Source performance Standards - General Provisions (03/16/1994)**		
60.13	Monitoring Requirements	Y	
40 CFR 60, Appendix A	**Appendix A to Part 60 – Test Methods**	Y	
NESHAP 40 CFR 63, Subpart DDDDD	**National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial, and Institutional Boilers and Process Heaters (11/20/2015)**		
63.7490(d)	Applicability	Y	
63.7495(b)	Compliance Dates	Y	
63.7495(d)	Notification Dates	Y	
63.7499(l)	Gas 1 Designed Units	Y	
63.7500(e)	Applicable Compliance Requirements	Y	
63.7500(f)	Startup and Shutdown Exclusions	Y	
63.7510(e)	Initial Compliance Demonstration	Y	
63.7515(d)	Annual Tune-up Compliance Dates	Y	
63.7530(e)	Notification of Compliance Status	Y	
63.7540a(10)	Annual Tune-Up Requirements	Y	
63.7540a(13)	Annual Tune-up Requirements if Unit is Not in Operation	Y	
63.7545(a)	Notification Requirements	Y	
63.7545(b)	Initial Notification Requirements	Y	
63.7545(e)	Notification of Compliance Status	Y	
63.7545(f)	Alternative Fuel Usage	Y	
63.7545(h)	Fuel Switch Notification	Y	
63.7550(a)	Reports to Submit	Y	
63.7550(b)	Report Submittal Dates	Y	

IV. Source Specific Applicable Requirements

Table IV – A.19
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
63.7550(c)	Compliance Report Requirements	Y	
63.7550(h)	Reporting Procedures	Y	
63.7555(a)	Required Records	Y	
63.7555(h)	Alternative Fuel Usage Records	Y	
63.7555(i)	Records of Startup and Shutdown	Y	
63.7555(j)	Records of Fuels Used During Startup and Shutdown	Y	
63.7560(a)	Recordkeeping Requirements	Y	
63.7560(b)	Duration of Recordkeeping	Y	
63.7560(c)	Location of Records	Y	
Table 3	Work Practice Standards	Y	
Table 9	Reporting Requirements	Y	
Table 10	Applicability of General Provisions (Subpart A)	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, Cumulative Increase]	Y	

IV. Source Specific Applicable Requirements

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

Table IV – A.20
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 (7/09/08)**		
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		
1-522.3	CEM performance testing	Y	
1-522.4	reporting of inoperative CEMs	Y	
1-522.5	CEM calibration requirements	Y	
1-522.6	CEM accuracy requirements	Y	
1-522.7	emission limit exceedance reporting requirements	N	
1-522.8	monitoring data submittal requirements	Y	
1-522.9	recordkeeping requirements	Y	
1-522.10	Regulation 1-521 monitors shall 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 (11/19/08)**		
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, General Requirements (12/05/07)**		

IV. Source Specific Applicable Requirements

Table IV – A.20
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
Rule 1			
6-1-301	Ringelmann #1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310.3	Particulate Weight Limitation; Heat Transfer Operation	N	
6-1-401	Appearance of Emissions	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/98)**		
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation; Heat Transfer Operation	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Regulation 9 Rule 10	**Nitrogen Oxides and Carbon Monoxide from Boiler, Steam Generators and Process Heaters in Petroleum Refineries (10/16/13)**		
9-10-110.5	Exemption as heater is subject to BACT requirements	Y	
BAAQMD Manual of Procedures, Volume V	**Continuous Emission Monitoring Policy and Procedures (1/20/82)**	Y	
40 CFR 60, Subpart A	**General Provisions (1/18/08)**		
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.20
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
	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	
40 CFR 60, Subpart J	**Standards of Performance for Petroleum Refineries (12/01/2015)**		
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**		
Performance Specification 7	H2S continuous emission monitoring systems	Y	
NESHAP 40 CFR 63, Subpart DDDDD	**National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial, and Institutional Boilers and Process Heaters (11/20/2015)**		
63.7490(d)	Applicability	Y	
63.7495(b)	Compliance Dates	Y	
63.7495(d)	Notification Dates	Y	
63.7499(l)	Gas 1 Designed Units	Y	

IV. Source Specific Applicable Requirements

Table IV – A.20
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
63.7500(e)	Applicable Compliance Requirements	Y	
63.7500(f)	Startup and Shutdown Exclusions	Y	
63.7510(e)	Initial Compliance Demonstration	Y	
63.7515(d)	Annual Tune-up Compliance Dates	Y	
63.7530(e)	Notification of Compliance Status	Y	
63.7540a(10)	Annual Tune-Up Requirements	Y	
63.7540a(13)	Annual Tune-up Requirements if Unit is Not in Operation	Y	
63.7545(a)	Notification Requirements	Y	
63.7545(b)	Initial Notification Requirements	Y	
63.7545(e)	Notification of Compliance Status	Y	
63.7545(f)	Alternative Fuel Usage	Y	
63.7545(h)	Fuel Switch Notification	Y	
63.7550(a)	Reports to Submit	Y	
63.7550(b)	Report Submittal Dates	Y	
63.7550(c)	Compliance Report Requirements	Y	
63.7550(h)	Reporting Procedures	Y	
63.7555(a)	Required Records	Y	
63.7555(h)	Alternative Fuel Usage Records	Y	
63.7555(i)	Records of Startup and Shutdown	Y	
63.7555(j)	Records of Fuels Used During Startup and Shutdown	Y	
63.7560(a)	Recordkeeping Requirements	Y	
63.7560(b)	Duration of Recordkeeping	Y	
63.7560(c)	Location of Records	Y	
Table 3	Work Practice Standards	Y	
Table 9	Reporting Requirements	Y	
Table 10	Applicability of General Provisions (Subpart A)	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			

IV. Source Specific Applicable Requirements

Table IV – A.20
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
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: [Regulation 2, Rule 5]	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 5c	CO monitoring using hand held monitor [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	H2S testing requirement [Basis: 40 CFR 60.13(i)]	Y	
Part 10	Recordkeeping and Annual Emission Limits [Basis: 2-6-503, 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	

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.21
Source-specific Applicable Requirements
S45 – UNIT 246 B-801A/B, HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 1	**General Provisions and Definitions (7/9/08)**		
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		
1-522.1	approval of plans and specifications	Y	
1-522.2	scheduling requirements	Y	
1-522.3	CEM performance testing	Y	
1-522.4	reporting of inoperative CEMs	Y	
1-522.5	CEM calibration requirements	Y	
1-522.6	CEM accuracy requirements	Y	
1-522.7	emission limit exceedance reporting requirements	N	
1-522.8	monitoring data submittal requirements	Y	
1-522.9	recordkeeping requirements	Y	
1-522.10	Regulation 1-521 monitors shall 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 (11/19/08; SIP approved 1/26/99 {adopted 11/01/89})**		
2-1-403	Permit conditions requiring measurement of emissions	N	
2-1-501	Monitors shall comply with Volume V of the Manual of Procedures	Y	
SIP Regulation 2, Rule 1	**PROVISIONS NO LONGER IN CURRENT RULE Permits, General Requirements (1/26/99 {adopted 11/01/89})**		
2-1-403	Permit conditions requiring measurement of emissions	Y – note 1	
BAAQMD Regulation 6, Rule 1	**Particulate Matter, General Requirements (12/5/07)**		

IV. Source Specific Applicable Requirements

Table IV – A.21
Source-specific Applicable Requirements
S45 – UNIT 246 B-801A/B, HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
6-1-301	Ringelmann #1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310.3	Particulate Weight Limitation	N	
6-1-410	Appearance of Emissions	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/98)**		
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 Manual of Procedures, Volume V	**Continuous Emission Monitoring Policy and Procedures (1/20/82)**	Y	
40 CFR 60 Subpart A	**General Provisions (2/12/98)**		
60.7	Notification and record keeping	Y	
60.7(a)	Various notifications	Y	
60.7(a)(1)	Notification of date of construction	Y	
60.7(a)(3)	Notification of startup date	Y	
60.7(a)(4)	Notification of any physical or operational change to an existing facility	Y	
60.7(a)(5)	Notification of date of beginning of CEM performance demonstration	Y	
60.7(b)	Records of any startup, shutdown, or malfunction, malfunction of control equipment; or periods when a CEM is inoperative	Y	
60.7(c)	Excess emissions and monitoring systems performance reports	Y	
60.7(d)	Summary reports	Y	
60.7(e)	Reduction of frequency of reports	Y	
60.7(f)	Records of monitoring	Y	
60.7(g)	Notification substantially similar to 40 CFR 60.7	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.21
Source-specific Applicable Requirements
S45 – UNIT 246 B-801A/B, 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 (12/1/15)**		
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	
40 CFR 60 Appendix B	**Performance Specifications**		
Performance Specification 2	Specifications and Test Procedures for SO2 and NOx Continuous Emission Monitoring Systems in Stationary Sources	Y	
Performance Specification 7	H2S continuous emission monitoring systems	Y	
40 CFR 60 Appendix F	**Quality Assurance Procedures**		
Procedure 1	QA requirements for gas continuous emission monitoring systems	Y	

IV. Source Specific Applicable Requirements

Table IV – A.21
Source-specific Applicable Requirements
S45 – UNIT 246 B-801A/B, HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
40 CFR 63, Subpart B	**Requirements for Control Technology Determinations for Major Sources in Accordance With Clean Air Act Sections, Sections 112(g) and 112(j)**	Y	
63.50	Applicability	Y	
63.51	Definitions	Y	
63.52	Approval process for new and existing affected sources	Y	
63.53	Application content for case-by-case MACT determinations	Y	
63.54	Preconstruction review procedures for new affected sources	Y	
63.55	Maximum achievable control technology (MACT) determinations for affected sources subject to case-by-case determination of equivalent emission limitations	Y	
63.56	Requirements for case-by-case determination of equivalent emission limitations after promulgation of subsequent MACT standard	Y	
NESHAP 40 CFR 63, Subpart DDDDD	**National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial, and Institutional Boilers and Process Heaters (11/20/2015)**		
63.7490(d)	Applicability	Y	
63.7495(b)	Compliance Dates	Y	
63.7495(d)	Notification Dates	Y	
63.7499(l)	Gas 1 Designed Units	Y	
63.7500(e)	Applicable Compliance Requirements	Y	
63.7500(f)	Startup and Shutdown Exclusions	Y	
63.7510(e)	Initial Compliance Demonstration	Y	
63.7515(d)	Annual Tune-up Compliance Dates	Y	
63.7530(e)	Notification of Compliance Status	Y	
63.7540a(10)	Annual Tune-Up Requirements	Y	
63.7540a(13)	Annual Tune-up Requirements if Unit is Not in Operation	Y	
63.7545(a)	Notification Requirements	Y	
63.7545(b)	Initial Notification Requirements	Y	
63.7545(e)	Notification of Compliance Status	Y	
63.7545(f)	Alternative Fuel Usage	Y	
63.7545(h)	Fuel Switch Notification	Y	
63.7550(a)	Reports to Submit	Y	
63.7550(b)	Report Submittal Dates	Y	

IV. Source Specific Applicable Requirements

Table IV – A.21
Source-specific Applicable Requirements
S45 – UNIT 246 B-801A/B, HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.7550(c)	Compliance Report Requirements	Y	
63.7550(h)	Reporting Procedures	Y	
63.7555(a)	Required Records	Y	
63.7555(h)	Alternative Fuel Usage Records	Y	
63.7555(i)	Records of Startup and Shutdown	Y	
63.7555(j)	Records of Fuels Used During Startup and Shutdown	Y	
63.7560(a)	Recordkeeping Requirements	Y	
63.7560(b)	Duration of Recordkeeping	Y	
63.7560(c)	Location of Records	Y	
Table 3	Work Practice Standards	Y	
Table 9	Reporting Requirements	Y	
Table 10	Applicability of General Provisions (Subpart A)	Y	
BAAQMD Condition 22962			
Part 1	Usage of refinery fuel gas or natural gas [BACT, Cumulative Increase]	Y	
Part 2	Throughput Limits [Cumulative Increase]	Y	
Part 3	Abatement with SCR [BACT, Cumulative Increase]	Y	
Part 4a	NOx concentration limit [BACT, Cumulative Increase]	Y	
Part 4b	CO concentration limit when operating under 30 MMbtu/hr [BACT, Cumulative Increase, 40 CFR 63.52(a)]	Y	
Part 4c	POC mass emission limit [Cumulative Increase]	Y	
Part 4d	PM10 mass emission limit [BACT, Cumulative Increase]	Y	
Part 4e	CO concentration limit when operating above 30 MMbtu/hr [BACT, Cumulative Increase, 40 CFR 63.52(a)]	Y	
Part 5	Ammonia concentration limit [BAAQMD Regulation 2, Rule 5]	N	
Part 6a	Annual emission limit for NOX [BACT, Cumulative Increase]	Y	
Part 6b	Annual emission limit for CO [BACT, Cumulative Increase]	Y	
Part 6c	Annual emission limit for POC [BACT, Cumulative Increase]	Y	
Part 6d	Annual emission limit for PM10 [BACT, Cumulative Increase]	Y	
Part 6e	Annual emission limit for SO2 [BACT, Cumulative Increase]	Y	
Part 7	Fuel flow monitors and recorders [Cumulative Increase]	Y	
Part 8	NOx and O2 monitors [BACT, Cumulative Increase]	Y	

IV. Source Specific Applicable Requirements

Table IV – A.21
Source-specific Applicable Requirements
S45 – UNIT 246 B-801A/B, HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 9	CO source tests [BACT, Cumulative Increase]	Y	
Part 9a	CO monitoring using hand held monitor [Basis: Cumulative Increase]	Y	
Part 10	Sulfur content in fuel [BACT, Cumulative Increase]	Y	
Part 11	Monitoring for sulfur content in fuel [BACT, Cumulative Increase]	Y	
Part 12	Records of sulfur content [BACT, Cumulative Increase]	Y	
Part 14	Records of startups, shutdowns, standby mode and heater dryout/warmup periods [2-6-503]	Y	
Part 15	Approval of the design and location of the source test ports [1-501]	Y	
Part 16	Source tests for NOx, CO, POC, PM10, ammonia, and sulfuric acid mist [BACT, Cumulative Increase, Regulation 2, Rule 5]	Y	
Part 17	Source test and continuous emission monitoring requirements [BACT, Cumulative Increase]	Y	
BAAQMD Condition 22970			
Part A.1	Applicability of Condition 22970 [Cumulative increase, PSD]	Y	
Part A.2a	Annual NOx limit for S45, Heater, S434, U246 High Pressure Reactor Train; and S1010, Sulfur Recovery Unit [Cumulative increase]	Y	
Part A.2b	Annual SO2 limit for S45, Heater, S434, U246 High Pressure Reactor Train; and S1010, Sulfur Recovery Unit [Cumulative increase]	Y	
Part A.2c	Annual PM10 limit for S45, Heater, S434, U246 High Pressure Reactor Train; and S1010, Sulfur Recovery Unit [Cumulative increase, PSD]	Y	
Part A.2d	Annual POC limit for S45, Heater, S434, U246 High Pressure Reactor Train; and S1010, Sulfur Recovery Unit [Cumulative increase]	Y	
Part A.2e	Annual CO limit for S45, Heater, S434, U246 High Pressure Reactor Train; and S1010, Sulfur Recovery Unit [Cumulative increase]	Y	
Part A.2f	Annual sulfuric acid mist limit for S45, Heater, S434, U246 High Pressure Reactor Train; and S1010, Sulfur Recovery Unit [PSD]	Y	
Part A.2g	Annual ammonia limit for S45, Heater, S434, U246 High Pressure Reactor Train; and S1010, Sulfur Recovery Unit [BAAQMD Regulation 2, Rule 5]	N	
Part A.3	Daily sulfuric acid mist limit for S45, Heater, S434, U246 High Pressure Reactor Train; and S1010, Sulfur Recovery Unit at Facility A0016 and S2 at B7419. [PSD]	Y	
Part A.4.a	Determination of compliance with Part A.2 [Cumulative increase, PSD, BAAQMD Regulation 2, Rule 5]		

IV. Source Specific Applicable Requirements

Table IV – A.21
Source-specific Applicable Requirements
S45 – UNIT 246 B-801A/B, HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part A.4.a.i	NOx data from NOx CEM	Y	
Part A.4.a.ii	CO data from annual source tests	Y	
Part A.4.a.iii	POC, PM10, and sulfuric acid mist rates from initial source tests	Y	
Part A.4.a.iv	Ammonia rate from initial source test	N	
Part A.4.v	Calculation of SO2 from fuel sulfur analysis	Y	
Part A.5	Additional offsets and PSD analysis, if necessary [Offsets, PSD]	Y	
Part A.6	Annual PM10 limit for S45, S434, and S1010 at Facility A0016, and S2 and S3 at Facility B7419 [1-104, 2-2-304]	Y	
Part B	Offset Report [2-1-403, 2-2-410]	Y	

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
BAAQMD Regulation 8 Rule 8	**Wastewater Collection and Separation Systems (9/15/04)**		
8-8-112	Exemption, Wastewater Critical Organic Compound Concentration or Temperature	N	
8-8-116	Limited Exemption, Oil-water Separation Trenches	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 covers/vent pipes if total open area does not exceed 12.6 square inches and vent pipes are 3 ft long.	Y	
8-8-312	Controlled Wastewater Collection System Components at Petroleum Refineries	N	
8-8-402	Wastewater Inspection and Maintenance Plans at Petroleum Refineries	N	
8-8-402.4	Wastewater Inspection and Maintenance Plans at Petroleum Refineries ; semi-annual inspections of controlled equipment	N	
8-8-402.5	Wastewater Inspection and Maintenance Plans at Petroleum Refineries ; keep records per 8-8-505	N	

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
8-8-505	Records for Wastewater Collection System Components at Petroleum Refineries	N	
8-8-603	Inspection Procedures	N	
SIP Regulation 8, Rule 8	**Organic Compounds, Wastewater (Oil-Water) Separators (8/29/94)**		
8-8-603	Inspection Procedures	Y	
40 CFR 60, Subpart QQQ	**Standards of Performance for VOC Emissions from Petroleum Refinery Wastewater Systems (10/17/00)**		
60.690(a)(1)	Applicability: Subpart QQQ applies to affected facilities constructed, modified, or reconstructed after May 4, 1987	Y	
60.690(a)(2)	Wastewater sumps are considered part of an individual drain system which is a separate affected facility	Y	
60.692-1(a)	The provisions of Subpart QQQ apply except during periods of startup, shutdown, or malfunction	Y	
60.692-1(b)	Determine compliance through review of records and reports, performance test results, and inspections	Y	
60.692-2 (c)(1)	Wastewater sumps in the wastewater process sewer line shall not be open to the atmosphere and shall be covered or enclosed in a manner with no visible gaps or cracks in joints, seals.	Y	
60.692-2 (c)(2)	The portion of each unburied wastewater sump in the wastewater process sewer line shall be visually inspected semiannually for indication of cracks, gaps, or other problems that could result in VOC emissions	Y	
60.692-2 (c)(3)	Whenever cracks, gaps, or other problems are detected, repairs shall be made as soon as practicable, but not later than 15 calendar days after identification, except as provided in 60.692-6.	Y	
60.692-6(a)	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	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
	required by 60.692-2(c) when a problem is identified that could result in VOC emissions.		
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	Monthly leak inspections in accordance with Reg. 8-8-603. After three consecutive monthly inspections with no leaks detected, conduct quarterly inspections for the equipment. [Basis: Cumulative Increase]	Y	
Part 5	VOC monitoring records [Basis: Cumulative Increase]	Y	
BAAQMD Condition 20989,	Throughput limits for sources S400, S401 [Basis: 2-1-234.3]	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 A			

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 (9/15/04)**	**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:	N	
8-8-302.1	a solid, vapor-tight, full contact fixed cover which totally encloses the separator tank, chamber, or basin liquid contents, with all cover openings closed and sealed, except when the opening is being used for inspection, maintenance, or wastewater sampling.	Y	
8-8-306	Wastewater separator **effluent channels** rated capacity larger than or equal to 25.2 liters per second (400 gal/min) must be equipped with one of the following:	Y	
8-8-306.1	a solid, gasketed, fixed cover total enclosing the oil-water separator **effluent channel** liquid contents, with all cover openings closed, except when being used for inspection, maintenance, or wastewater sampling.	Y	
8-8-501	Maintain records when wastewater bypasses the API Separator or the Air Floatation Unit	N	
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	

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
SIP Regulation 8, Rule 8	**Wastewater (Oil-Water) Separator (8/29/94)**	**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	
8-8-501	Maintain records when wastewater bypasses the API Separator or the Air Floatation Unit	Y	
40 CFR 60, Subpart QQQ	**Standards of Performance for VOC Emissions from Petroleum Refinery Wastewater Systems (10/17/00) (S324 Oil/Water Separator only)**	**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	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
	without a complete or partial refinery or process unit shutdown.		
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(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	
40 CFR 61 Subpart FF	**National Emission Standards for Benzene Waste Operations (12/04/2003)**		
40 CFR 61.347	Standards: Oil-water separators	Y	
40 CFR 61.347(a)	Standards: Oil-water separators	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
40 CFR 61.347(a)(1)(i)(A)	Fixed-roof: no detectable emissions	Y	
40 CFR 61.347(a)(1)(i)(B)	Fixed-roof: Openings	Y	
40 CFR 61.347(a)(1)(ii)	Closed vent systems comply with 61.349	Y	
40 CFR 61.347(b)	Quarterly visual inspection	Y	
40 CFR 61.347(c)	First efforts at repair	Y	
BAAQMD Condition 1440			
Part 1	No vapor space in separator [Basis: Cumulative Increase]	Y	
Part 4a	Monthly leak inspections in accordance with Reg. 8-8-603. After three consecutive monthly inspections with no leaks detected, conduct quarterly inspections for doors, hatches, covers or other openings [Basis: Cumulative Increase]	Y	
Part 5	VOC monitoring records [Basis: Cumulative Increase]	Y	
Part 6	Maximum wastewater throughput [Basis: Cumulative Increase]	Y	
BAAQMD Condition 26069			Upon Startup of A-53
Part 1	Abate S-324 with A-53 requirements [Basis: Cumulative Increase]	Y	Upon Startup of A-53
Part 2	Emission limit and VOC destruction Efficiency Requirements for A-53 [Basis: Cumulative Increase]	Y	Upon Startup of A-53
Part 3	Minimum temperature requirements for A-53 [Basis: Cumulative Increase]	Y	Upon Startup of A-53
Part 4	Allowable temperature excursions [Basis: Regulation 2-1-403]	Y	Upon

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
			Startup of A-53
Part 5	Records for allowable temperature excursions [Basis: Regulation 2-1-403]	Y	Upon Startup of A-53
Part 6	Temperature monitoring device [Basis: Cumulative Increase]	Y	Upon Startup of A-53
Part 7	Non-compliance reporting [Basis: Cumulative Increase]	Y	Upon Startup of A-53
Part 8	Startup source test requirements [Basis: Cumulative Increase]	Y	Upon Startup of A-53
Part 9	Source test procedures [Basis: Cumulative Increase]	Y	Upon Startup of A-53
Part 10	Recordkeeping [Basis: Cumulative Increase; Recordkeeping]	Y	Upon Startup of A-53
BAAQMD Condition 20989, Part A	Throughput limit for source S324 [Basis: 2-1-234.3]	Y	

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 1	**General Provisions and Definitions (5/4/11)**		
1-523	Parametric Monitoring and Recordkeeping Procedures	N	
1-523.1	Parametric monitor periods of inoperation	Y	

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
1-523.2	Limits on periods of inoperation	Y	
1-523.3	Reports of Violations	N	
1-523.4	Records	Y	
1-523.5	Maintenance and calibration	N	
SIP Regulation 1	**General Provisions and Definitions (6/28/99)**		
1-523	Parametric Monitoring and Recordkeeping Procedures	Y-note 1	
1-523.3	Reports of Violations	Y[1]	
BAAQMD Regulation 6, Rule 1	**Particulate Matter and Visible Emissions (12/5/07)**		
6-1-301	Ringelmann #1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310.3	Particulate Weight Limitation	N	
6-1-311	General Operations	N	
6-1-401	Appearance of Emissions	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/98)**		
6-301	Ringelmann #1 Limitation	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation	Y	
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Regulation 8, Rule 8	**Wastewater Collection and Separation Systems (9/15/04)**		
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 air flotation and pre-air-flotation-unit flocculation tank, chamber, or basin (compartment) liquid contents, with all cover openings closed, except when the opening is being used for inspection, maintenance, or wastewater sampling. The cover may include an atmospheric vent or pressure/vacuum valve. Roof seals, access doors, and other openings shall be checked by visual inspection initially and	Y	

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
	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; (Standard applies when unit not controlled by organic compound vapor recovery system)		
8-8-307.2	Organic compound vapor recovery system with a combined collection and control efficiency of at least 70 percent by weight (Standard applies when unit controlled by organic compound vapor recovery system)	N	
8-8-501	Maintain records when wastewater bypasses the API Separator or the Air Floatation Unit	N	
8-8-503	Inspection and Repair Records	Y	
SIP Regulation 8, Rule 8	**Wastewater (Oil-Water) Separators (8/29/94)**	Y	
8-8-307	Air Flotation Unit: any air flotation unit and/or pre-air flotation unit flocculation sump, basin, chamber or tank with a maximum allowable capacity greater than 400 gals/min unless is equipped with one of the following:	Y	
8-8-307.2	Organic compound vapor recovery system with a combined collection and control efficiency of at least 70 percent by weight (Standard applies when unit controlled by organic compound vapor recovery system)	Y	
8-8-501	Maintain records when wastewater bypasses the API Separator or the Air Floatation Unit	Y	
40 CFR 61, Subpart A	**General Provisions (11/7/85)**		
61.5	Prohibited Activities	Y	
61.10	Source reporting and waiver request	Y	
61.10(c)	Changes in information provided	Y	
61.10(d)	Format for reporting	Y	
61.10(e)	Calendar days	Y	
61.10(f)	Requirement for postmarks	Y	
61.10(g)	Alternate deadlines pursuant to agreement with Administrator	Y	
61.10(h)	Coordination of federal reports with state reports	Y	
61.10(i)	Common schedules	Y	
61.10(j)	Procedure for adjusting deadlines	Y	

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
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	Modification	Y	
61.16	Availability of information	Y	
61.17	State authority	Y	
61.19	Circumvention	Y	
40 CFR 61 Subpart FF	**National Emission Standards for Benzene Waste Operations (12/04/2003) (Applies to DAF and Thermal Oxidizer (A49) or Carbon Adsorption (A51) when A49 and/or A51 are in operation)**		
61.340(a)	Applicability: Chemical Manufacturing, coke by-product recovery, petroleum refineries	Y	
61.343	Standard: Tanks	Y	
61.343(a)	Control of tanks	Y	
61.343(a)(1)	Fixed-roof and closed-vent system that routes all organic vapors to a control device	Y	
61.343(a)(1)(i)(A)	No detectable emissions over 500 ppmv	Y	
61.343(a)(1)(i)(B)	Closed and sealed openings	Y	
61.343(a)(1)(i)(C)	Operation below atmospheric pressure	Y	
61.343(a)(1)(ii)	Standards: Tanks; Closed-vent systems are subject to 61.349	Y	
61.343(c)	Quarterly inspections	Y	
61.343(d)	Repair as soon as practicable but no later than 45 days after identification	Y	
61.355	Test methods, procedures and compliance provisions	Y	
61.355(h)	Leak inspection procedures	Y	
61.355(k)	Determination of benzene quantity	Y	
61.355(k)(2)	Determination of benzene quantity from controlled sources	Y	
61.355(k)(5)	Procedure for calculation of benzene quantity	Y	
61.356	Recordkeeping requirements	Y	
61.356(a)	Recordkeeping and retention requirements	Y	

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
61.356(b)	Identification of waste streams	Y	
61.356(b)(4)	Measurements, calculations, and documentation used to determine that total benzene quantity is less than 6.0 Mg/yr	Y	
61.356(d)	Engineering design documentation for all control equipment	Y	
61.356(g)	Recordkeeping Requirements: Visual inspection per 61.343 through 61.347	Y	
61.356(h)	Recordkeeping Requirements: Leak Monitoring	Y	
61.356(m)	Monitoring of pressure in head space	Y	
61.357	Reporting requirements	Y	
61.357(d)(7)	Quarterly reports	Y	
61.357(d)(7)(v)	Periods of operation equal to or greater than atmospheric pressure	Y	
BAAQMD Condition 1440			
Part 4b	Monthly leak inspections in accordance with Reg. 8-8-603. After three consecutive monthly inspections with no leaks detected, conduct quarterly inspections for the equipment. [Basis: Cumulative Increase]	Y	
Part 5	VOC monitoring records [Basis: Cumulative Increase]	Y	
Part 6	Maximum wastewater throughput [Basis: Cumulative Increase]	Y	
Part 7	Control of DAF to provide POC offsets [Offsets, CEQA]	Y	
Part 7a	Source test requirement; contingency if 44 tons of POC reduction not achieved [Offsets, CEQA]	Y	
Part 7b.i	Source test of A49, DAF Thermal oxidizer [Offsets, CEQA]	Y	
Part 7b.ii	Temperature excursions [Offsets, CEQA]	Y	
Part 7b.iii	Temperature measuring device [Offsets, CEQA]	Y	
Part 7b.v	Source tests for SO2 [Offsets, CEQA]	Y	
Part 7b.vi	Contingency if SO2 emissions are greater than 1.2 tons per year [Offsets, CEQA]	Y	
Part 7c	Requirements for A51, DAF Carbon Bed [Offsets]	Y	
Part 9	Requirement to seal DAF outlet channel and downstream sumps. Any vents on the channel shall be abated. [Offsets, CEQA]	Y	
Part 10	Requirement for use of thermal oxidizer at least 90%. [CEQA]	N	
Part 11	Alternate operating scenario: contingency for non-operation of	Y	

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
	control devices; must record beginning and end in contemporaneous log		
BAAQMD Condition 22970			
Part B	Offset Report [2-1-403, 2-2-410]	Y	
BAAQMD Condition 20989, Part A	Throughput limit for S1007 [Basis: 2-1-234.3]	Y	

Table IV – Da
Source-specific Applicable Requirements
A49 DAF THERMAL OXIDIZER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 1	**General Provisions and Definitions (5/4/11)**		
1-523	Parametric Monitoring and Recordkeeping Procedures	N	
1-523.1	Parametric monitor periods of Inoperation	Y	
1-523.2	Limits on periods of Inoperation	Y	
1-523.3	Reports of Violations	N	
1-523.4	Records	Y	
1-523.5	Maintenance and calibration	N	
SIP Regulation 1	**General Provisions and Definitions (6/28/99)**		
1-523	Parametric Monitoring and Recordkeeping Procedures	Y-note 1	
1-523.3	Reports of Violations	Y[1]	
BAAQMD Regulation 6, Rule 1	**Particulate Matter, General Requirements (12/5/07)**		
6-1-301	Ringelmann #1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310.3	Particulate Weight Limitation	N	

IV. Source Specific Applicable Requirements

Table IV – Da
Source-specific Applicable Requirements
A49 DAF THERMAL OXIDIZER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
6-1-311	General Operations	N	
6-1-401	Appearance of Emissions	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/98)**		
6-301	Ringelmann #1 Limitation	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation	Y	
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Regulation 8, Rule 8	**Wastewater Collection and Separation Systems (9/15/04)**		
8-8-307	Air Flotation Unit: any air flotation unit and/or pre-air flotation unit flocculation sump, basin, chamber or tank with a maximum allowable capacity greater than 400 gals/min unless is equipped with one of the following:	Y	
8-8-307.2	Organic compound vapor recovery system with a combined collection and control efficiency of at least 70 percent by weight (Standard applies when unit controlled by organic compound vapor recovery system)	N	
SIP Regulation 8, Rule 8	**Wastewater (Oil-Water) Separators (8/2/94)**	Y	
8-8-307	Air Flotation Unit:	Y	
8-8-307.2	Organic compound vapor recovery system with a combined collection and control efficiency of at least 70 percent by weight (Standard applies when unit controlled by organic compound vapor recovery system)	Y	
40 CFR 61, Subpart A	**General Provisions (11/7/85)**		
61.5	Prohibited Activities	Y	
61.10	Source reporting and waiver request	Y	
61.10(c)	Changes in information provided	Y	
61.10(d)	Format for reporting	Y	
61.10(e)	Calendar days	Y	
61.10(f)	Requirement for postmarks	Y	
61.10(g)	Alternate deadlines pursuant to agreement with Administrator	Y	

IV. Source Specific Applicable Requirements

Table IV – Da
Source-specific Applicable Requirements
A49 DAF THERMAL OXIDIZER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
61.10(h)	Coordination of federal reports with state reports	Y	
61.10(i)	Common schedules	Y	
61.10(j)	Procedure for adjusting deadlines	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	Modification	Y	
61.16	Availability of informations	Y	
61.17	State authority	Y	
61.19	Circumvention	Y	
40 CFR 61 Subpart FF	**National Emission Standards for Benzene Waste Operations (12/04/2003) (Applies to closed vent system and control devices from DAF to Thermal Oxidizer (A49) or Carbon Adsorption (A51) when A49 and/or A51 are in operation)**		
61.340(a)	Applicability: Chemical Manufacturing, coke by-product recovery, petroleum refineries	Y	
61.349	Standards: Closed-Vent Systems and Control Devices	Y	
61.349(a)	Standards: Closed-Vent Systems and Control Devices; Applicability	Y	
61.349(a)(1)	Standards: Closed-Vent Systems and Control Devices; Closed vent system requirements	Y	
61.349(a)(1)(i)	Standards: Closed-Vent System design and requirements: no detectable emissions above 500 ppm	Y	
61.349(a)(1)(ii)(B)	Standards: Closed-Vent Systems and Control Devices; Closed vent system requirements; no requirement for flow indicator for car-sealed valves on bypass lines in closed-vent systems	Y	
61.349(a)(1)(iii)	Standards: Closed-vent Systems and Control Devices; Closed vent system requirements; Gauging/sampling devices are gas-tight	Y	
61.349(a)(1)(iv)	Standards: Closed-Vent Systems and Control Devices; Closed vent system requirements; Safety valve provisions	Y	
61.349(a)(2)	Standards: Closed-Vent Systems and Control Devices; Control device requirements	Y	
61.349(a)(2)(i)	Standards: Closed-Vent Systems and Control Devices; Enclosed combustion device requirements	Y	
61.349(a)(2)	Controlled by enclosed combustion device with 95% or greater	Y	

IV. Source Specific Applicable Requirements

Table IV – Da
Source-specific Applicable Requirements
A49 DAF THERMAL OXIDIZER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
(i)(A)	control efficiency		
61.349(b)	Operation of control device at all times	Y	
61.349(c)	Standards: Closed-Vent Systems and Control Devices; Control Device Performance Demonstration	Y	
61.349(c)(2)	Performance tests	Y	
61.349(e)	Administrator may request performance tests	Y	
61.349(f)	Visually inspect for leaks quarterly	Y	
61.349(g)	Repair leaks; 5 days for first attempt; 15 days for complete repair	Y	
61.349(h)	Monitor per 61.354(c)	Y	
61.354	Monitoring of Operations		
61.354(c)	Monitoring of Operations; Closed-vent systems and control devices – Continuously monitor control device operation	Y	
61.354(c)(1)	Monitor thermal vapor incinerator temperature (**for A49**)	Y	
61.354(d)	Monitor on a daily basis or at intervals no greater than 20% of the design carbon replacement interval, whichever is greater. Replace carbon immediately when carbon breakthrough is indicated (**for A51**)	Y	
61.354(f)	Monitoring of Operations; Closed vent system with bypass line	Y	
61.354(f)(1)	Monitoring of Operations; Closed vent system with bypass line; Visually inspect carseal/valve positions monthly	Y	
61.354(g)	Monitoring of Operations; Pressure Monitor	Y	
61.355	Test methods, procedures and compliance provisions	Y	
61.355(h)	Leak inspection procedures	Y	
61.355(i)	Performance test procedures	Y	
61.356	Recordkeeping requirements	Y	
61.356(a)	Recordkeeping and retention requirements	Y	
61.356(d)	Engineering design documentation for all control equipment	Y	
61.356(f)	Recordkeeping Requirements: Closed vent system and control device per 61.349 – retain for life of device	Y	
61.356(f)(1)	Recordkeeping Requirements; certification of performance level	Y	
61.356(f)(3)	Requirements for performance tests	Y	
61.356(g)	Recordkeeping Requirements: Visual inspection per 61.343 through 61.347	Y	
61.356(h)	Recordkeeping Requirements: Leak Monitoring		
61.356(j)	Recordkeeping Requirements: Control device operation	Y	
61.356(j)(1)	Recordkeeping Requirements: dates of startup and shutdown	Y	

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Table IV – Da
Source-specific Applicable Requirements
A49 DAF THERMAL OXIDIZER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
61.356(j)(2)	Recordkeeping Requirements: description of parameters	Y	
61.356(j)(3)	Recorrdkeeping Requirements: periods when closed vent system and control device are not operating	Y	
61.356(j)(3)(i)	Recordkeeping Requirements: Bypass Line Controls	Y	
61.356(j)(4)	Recordkeeping Requirements: Thermal vapor incinerator records of temperature (for DAF TO, A49)	Y	
61.356(m)	Monitoring of pressure in head space	Y	
61.357	Reporting requirements	Y	
61.357(d)(7)	Quarterly reports		
61.357(d)(7)(iv)(A)	Reports of periods of operation below design combustion zone temperature	Y	
61.357(d)(7)(v)	Periods of operation equal to or greater than atmospheric pressure	Y	
BAAQMD Condition 1440			
Part 7	Control of DAF to provide POC offsets [Offsets, CEQA]	Y	
Part 7a	Source test requirement; contingency if 44 tons of POC reduction not achieved [Offsets, CEQA]	Y	
Part 7a.i	Source test timing requirements [Offsets, CEQA]	Y	
Part 7b.i	Source test of A49, DAF Thermal oxidizer [Offsets, CEQA]	Y	
Part 7b.ii	Temperature excursions [Offsets, CEQA]	Y	
Part 7b.iii	Temperature measuring device [Offsets, CEQA]	Y	
Part 7b.v	Source tests for SO2 [Offsets, CEQA]	Y	
Part 7b.vi	Contingency if SO2 emissions are greater than 1.2 tons per year [Offsets, CEQA]	Y	
Part 9	Requirement to seal DAF outlet channel and downstream sumps. Any vents on the channel shall be abated. [Offsets, CEQA]	Y	
Part 10	Requirement for use of thermal oxidizer at least 90% of the time on a consecutive 12-month basis. [CEQA]	N	
Part 11	Alternate operating scenario: contingency for non-operation of control devices; must record beginning and end in contemporaneous log. [40 CFR 61, Subpart FF, 40 CFR 70.6(a)(9), BAAQMD Regulation 2-6-409.7]	Y	
BAAQMD			

IV. Source Specific Applicable Requirements

Table IV – Da
Source-specific Applicable Requirements
A49 DAF THERMAL OXIDIZER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Condition 22970			
Part B	Offset Report [2-1-403, 2-2-410]	Y	

Table IV – Db
Source-specific Applicable Requirements
A51 DAF CARBON BED

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 1	**General Provisions and Definitions (5/4/11)**		
1-523	Parametric Monitoring and Recordkeeping Procedures	N	
1-523.1	Parametric monitor periods of inoperation	Y	
1-523.2	Limits on periods of inoperation	Y	
1-523.3	Reports of Violations	N	
1-523.4	Records	Y	
1-523.5	Maintenance and calibration	N	
SIP Regulation 1	**General Provisions and Definitions (6/28/99)**		
1-523	Parametric Monitoring and Recordkeeping Procedures	Y-note 1	
1-523.3	Reports of Violations	Y[1]	
BAAQMD Regulation 6, Rule 1	**Particulate Matter, General Requirements (12/5/07)**		
6-1-301	Ringelmann #1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310.3	Particulate Weight Limitation	N	
6-1-311	General Operations	N	
6-1-401	Appearance of Emissions	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/98)**		
6-301	Ringelmann #1 Limitation	Y	
6-305	Visible Particles	Y	

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Table IV – Db
Source-specific Applicable Requirements
A51 DAF CARBON BED

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
6-310.3	Particulate Weight Limitation	Y	
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Regulation 8, Rule 8	**Wastewater Collection and Separation Systems (9/15/04)**		
8-8-307	Air Flotation Unit: any air flotation unit and/or pre-air flotation unit flocculation sump, basin, chamber or tank with a maximum allowable capacity greater than 400 gals/min unless is equipped with one of the following:	Y	
8-8-307.2	Organic compound vapor recovery system with a combined collection and control efficiency of at least 70 percent by weight (Standard applies when unit controlled by organic compound vapor recovery system)	N	
SIP Regulation 8, Rule 8	**Wastewater (Oil-Water) Separators (8/2/94)**	Y	
8-8-307	Air Flotation Unit:	Y	
8-8-307.2	Organic compound vapor recovery system with a combined collection and control efficiency of at least 70 percent by weight (Standard applies when unit controlled by organic compound vapor recovery system)	Y	
40 CFR 61, Subpart A	**General Provisions (11/7/85)**		
61.5	Prohibited Activities	Y	
61.10	Source reporting and waiver request	Y	
61.10(c)	Changes in information provided	Y	
61.10(d)	Format for reporting	Y	
61.10(e)	Calendar days	Y	
61.10(f)	Requirement for postmarks	Y	
61.10(g)	Alternate deadlines pursuant to agreement with Administrator	Y	
61.10(h)	Coordination of federal reports with state reports	Y	
61.10(i)	Common schedules	Y	
61.10(j)	Procedure for adjusting deadlines	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	

IV. Source Specific Applicable Requirements

Table IV – Db
Source-specific Applicable Requirements
A51 DAF CARBON BED

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
61.15	Modification	Y	
61.16	Availability of informations	Y	
61.17	State authority	Y	
61.19	Circumvention	Y	
40 CFR 61 Subpart FF	**National Emission Standards for Benzene Waste Operations (12/04/2003) (Applies to closed vent system and control devices from DAF to Thermal Oxidizer (A49) or Carbon Adsorption (A51) when A49 and/or A51 are in operation)**		
61.340(a)	Applicability: Chemical Manufacturing, coke by-product recovery, petroleum refineries	Y	
61.349	Standards: Closed-Vent Systems and Control Devices	Y	
61.349(a)	Standards: Closed-Vent Systems and Control Devices; Applicability	Y	
61.349(a)(1)	Standards: Closed-Vent Systems and Control Devices; Closed vent system requirements	Y	
61.349(a)(1)(i)	Standards: Closed-Vent System design and requirements: no detectable emissions above 500 ppm	Y	
61.349(a)(1)(ii)(B)	Standards: Closed-Vent Systems and Control Devices; Closed vent system requirements; no requirement for flow indicator for car-sealed valves on bypass lines in closed-vent systems	Y	
61.349(a)(1)(iii)	Standards: Closed-vent Systems and Control Devices; Closed vent system requirements; Gauging/sampling devices are gas-tight	Y	
61.349(a)(1)(iv)	Standards: Closed-Vent Systems and Control Devices; Closed vent system requirements; Safety valve provisions	Y	
61.349(a)(2)	Standards: Closed-Vent Systems and Control Devices; Control device requirements	Y	
61.349(a)(2)(ii)	Vapor recovery system (e.g.carbon adsorption system) recovers or controls organic emissions with an efficiency of 95% or greater by weight VOC or 98% or greater for Benzene **(applies only to A51, DAF Carbon Adsorption)**	Y	
61.349(b)	Operation of control device at all times	Y	
61.349(c)	Standards: Closed-Vent Systems and Control Devices; Control Device Performance Demonstration	Y	
61.349(c)(2)	Performance tests	Y	
61.349(e)	Administrator may request performance tests	Y	
61.349(f)	Visually inspect for leaks quarterly	Y	

IV. Source Specific Applicable Requirements

Table IV – Db
Source-specific Applicable Requirements
A51 DAF CARBON BED

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
61.349(g)	Repair leaks; 5 days for first attempt; 15 days for complete repair	Y	
61.349(h)	Monitor per 61.354(c)	Y	
61.354	Monitoring of Operations		
61.354(c)	Monitoring of Operations; Closed-vent systems and control devices – Continuously monitor control device operation	Y	
61.354(d)	Monitor on a daily basis or at intervals no greater than 20% of the design carbon replacement interval, whichever is greater. Replace carbon immediately when carbon breakthrough is indicated (**for A51**)	Y	
61.354(f)	Monitoring of Operations; Closed vent system with bypass line	Y	
61.354(f)(1)	Monitoring of Operations; Closed vent system with bypass line; Visually inspect carseal/valve positions monthly	Y	
61.354(g)	Monitoring of Operations; Pressure Monitor	Y	
61.355	Test methods, procedures and compliance provisions	Y	
61.355(h)	Leak inspection procedures	Y	
61.355(i)	Performance test procedures	Y	
61.356	Recordkeeping requirements	Y	
61.356(a)	Recordkeeping and retention requirements	Y	
61.356(d)	Engineering design documentation for all control equipment	Y	
61.356(f)	Recordkeeping Requirements: Closed vent system and control device per 61.349 – retain for life of device	Y	
61.356(f)(1)	Recordkeeping Requirements; certification of performance level	Y	
61.356(f)(3)	Requirements for performance tests	Y	
61.356(g)	Recordkeeping Requirements: Visual inspection per 61.343 through 61.347	Y	
61.356(h)	Recordkeeping Requirements: Leak Monitoring		
61.356(j)	Recordkeeping Requirements: Control device operation	Y	
61.356(j)(1)	Recordkeeping Requirements: dates of startup and shutdown	Y	
61.356(j)(2)	Recordkeeping Requirements: description of parameters	Y	
61.356(j)(3)	Recorrdkeeping Requirements: periods when closed vent system and control device are not operating	Y	
61.356(j)(3)(i)	Recordkeeping Requirements: Bypass Line Controls	Y	
61.356(j)(10)	Recordkeeping Requirements: Carbon Adsorption records of monitoring, breakthrough, and carbon replacement (**for DAF Carbon Adsorption, A51**)	Y	

IV. Source Specific Applicable Requirements

Table IV – Db
Source-specific Applicable Requirements
A51 DAF CARBON BED

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
61.356(m)	Monitoring of pressure in head space	Y	
61.357	Reporting requirements	Y	
61.357(d)(7)	Quarterly reports		
61.357(d)(7)(iv)(D)	Reports of periods of operation at concentrations 20% higher than design	Y	
61.357(d)(7)(iv)(I)	Reports of instances where carbon is not replaced at pre-determined intervals	Y	
61.357(d)(7)(v)	Periods of operation equal to or greater than atmospheric pressure	Y	
BAAQMD Condition 1440			
Part 7	Control of DAF to provide POC offsets [Offsets, CEQA]	Y	
Part 7a	Source test requirement; contingency if 44 tons of POC reduction not achieved [Offsets, CEQA]	Y	
Part 7a.ii	Source test timing requirements [Offsets, CEQA]	Y	
Part 7c	Requirements for A51, DAF Carbon Bed [Offsets]	Y	
Part 9	Requirement to seal DAF outlet channel and downstream sumps. Any vents on the channel shall be abated. [Offsets, CEQA]	Y	
Part 11	Alternate operating scenario: contingency for non-operation of control devices; must record beginning and end in contemporaneous log	Y	
BAAQMD Condition 22970			
Part B	Offset Report [2-1-403, 2-2-410]	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	Monthly leak inspections in accordance with Reg. 8-8-603. After three consecutive monthly inspections with no leaks detected, conduct quarterly inspections for the equipment. [Basis: Cumulative Increase]	Y	
Part 5	VOC monitoring records [Basis: Cumulative Increase]	Y	
BAAQMD Condition 20989, Part A	Throughput limits for sources S381, S382, S383, S384 [Basis: 2-1-234.3]	Y	

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 Collection and Separation Systems (9/15/04)**	**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	N	
SIP Regulation 8, Rule 8	**Wastewater (Oil-Water) Separators (8/29/94)**	**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
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	Monthly leak inspections in accordance with Reg. 8-8-603. After three consecutive monthly inspections with no leaks detected, conduct quarterly inspections for the equipment. [Basis: Cumulative Increase]	Y	
Part 5	VOC monitoring records [Basis: Cumulative Increase]	Y	
BAAQMD Condition	Throughput limits for sources S385, S386, S387, S390, S392 [Basis: 2-1-234.3]	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
20989, Part A			

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 Collection and Separation Systems (9/15/04)**	**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 (10/17/00) [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, performance test results, and inspections	Y	

IV. Source Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.692-2 (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 with the provisions of this subpart shall be kept for the life of the	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
	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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8 Rule 8	**Wastewater Collection and Separation Systems (9/15/04)**		
8-8-112	Exemption, Wastewater Critical Organic Compound Concentration or Temperature	N	
8-8-116	Limited Exemption, Oil-water Separation Trenches	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 covers/vent pipes if total open area does not exceed 12.6 square inches and vent pipes are 3 ft long.	Y	
8-8-312	Controlled Wastewater Collection System Components at Petroleum Refineries	N	
8-8-313	Uncontrolled Wastewater Collection System Components at Petroleum Refineries; comply with 8-8-313.1 or 8-8-313.2 for uncontrolled sources	N	
8-8-313.2	Uncontrolled Wastewater Collection System Components at Petroleum Refineries; Inspection and Maintenance Plan Option	N	

IV. Source Specific Applicable Requirements

Table IV – I
Source-specific Applicable Requirements
WASTEWATER PROCESS SEWERS/SEWER LINES

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-8-314	New Wastewater Collection System Components at Petroleum Refineries; equip new components with water seal or equivalent control	N	
8-8-402	Wastewater Inspection and Maintenance Plans at Petroleum Refineries	N	
8-8-402.1	Wastewater Inspection and Maintenance Plans at Petroleum Refineries : ID all components and submit to BAAQMD	N	
8-8-402.2	Wastewater Inspection and Maintenance Plans at Petroleum Refineries ; complete initial inspection of components	N	
8-8-402.3	Wastewater Inspection and Maintenance Plans at Petroleum Refineries ; implement 8-8-313.2 Inspection and Maintenance Plan	N	
8-8-402.4	Wastewater Inspection and Maintenance Plans at Petroleum Refineries ; semi-annual inspections of controlled equipment	N	
8-8-402.5	Wastewater Inspection and Maintenance Plans at Petroleum Refineries ; keep records per 8-8-505	N	
8-8-502	Wastewater Critical Organic Compound Concentration or Temperature Records	N	
8-8-504	Portable Hydrocarbon Detector	Y	
8-8-505	Records for Wastewater Collection System Components at Petroleum Refineries	N	
8-8-505.1	Records for Wastewater Collection System Components at Petroleum Refineries	N	
8-8-505.2	Records for Wastewater Collection System Components at Petroleum Refineries	N	
8-8-505.3	Records for Wastewater Collection System Components at Petroleum Refineries	N	
8-8-505.4	Records for Wastewater Collection System Components at Petroleum Refineries	N	
8-8-601	Wastewater Analysis for Critical Organic Compounds	Y	
8-8-603	Inspection Procedures	N	
SIP Regulation 8, Rule 8	**Organic Compounds, Wastewater (Oil-Water) Separators (8/29/1994)**		
8-8-112	Exemption, Wastewater Critical OC Concentration or Temperature	Y	
8-8-502	Wastewater Critical OC Concentration and/or Temperature Records	Y	
8-8-603	Inspection Procedures	Y	

IV. Source Specific Applicable Requirements

Table IV – I
Source-specific Applicable Requirements
WASTEWATER PROCESS SEWERS/SEWER LINES

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
40 CFR 60, Subpart QQQ	**Applies to S324 only: Standards of Performance for VOC Emissions from Petroleum Refinery Wastewater Systems (10/17/00)**		
60.690(a)(1)	Applicability: Subpart QQQ applies to affected facilities constructed, modified, or reconstructed after May 4, 1987	Y	
60.690(a)(2)	Wastewater process sewer lines are considered part of an individual drain system which is a separate affected facility	Y	
60.692-1(a)	The provisions of Subpart QQQ apply except during periods of startup, shutdown, or malfunction	Y	
60.692-1(b)	Determine compliance through review of records and reports, performance test results, and inspections	Y	
60.692-2 (c)(1)	Sewer lines shall not be open to the atmosphere and shall be covered or enclosed in a manner with no visible gaps or cracks in joints, seals.	Y	
60.692-2 (c)(2)	The portion of each unburied sewer line shall be visually inspected semiannually for indication of cracks, gaps, or other problems that could result in VOC emissions	Y	
60.692-2 (c)(3)	Whenever cracks, gaps, or other problems are detected, repairs shall be made as soon as practicable, but not later than 15 calendar days after identification, except as provided in 60.692-6.	Y	
60.692-6(a)	Delay of repairs are allowed if the repair is technically impossible without a complete or partial refinery or process unit shutdown.	Y	
60.692-6(b)	Delayed repairs shall be completed before the end of the next refinery or process unit shutdown.	Y	
60.697(a)	Each owner or operator shall comply with the recordkeeping provisions of Subpart QQQ.	Y	
60.697(b)(3)	Record the location, date, and corrective action for inspections required by 60.692-2(c) when a problem is identified that could result in VOC emissions.	Y	
60.697(e)(1)	If an emission 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	Y	

IV. Source Specific Applicable Requirements

Table IV – I
Source-specific Applicable Requirements
WASTEWATER PROCESS SEWERS/SEWER LINES

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

Table IV – I.1
Source-specific Applicable Requirements – Process Vessels
WASTEWATER-INDIVIDUAL DRAIN SYSTEMS
APPLIES TO S434, CRACKING AND S1010, SULFUR RECOVERY UNIT

Applicable Requirement	Regulation Title or Description of Requirements	Federally Enforceable (Y/N)	Future Effective Date
	For additional requirements for S434, see Table IV-Na.		
	For additional requirements for S1010, see Table IV-Ub.		
40 CFR 60 Subpart QQQ	**Standards of Performance for VOC Emissions from Petroleum Refinery Wastewater Systems (10/17/00) APPLIES TO S434 ONLY**		
60.690(a)(1)	Applicability: Subpart QQQ applies to affected facilities constructed, modified, or reconstructed after May 4, 1987	Y	
60.690(a)(2)	An individual drain system 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 – I.1
Source-specific Applicable Requirements – Process Vessels
WASTEWATER-INDIVIDUAL DRAIN SYSTEMS
APPLIES TO S434, CRACKING AND S1010, SULFUR RECOVERY UNIT

Applicable Requirement	Regulation Title or Description of Requirements	Federally Enforceable (Y/N)	Future Effective Date
	performance test results, and inspections		
60.692-2(a)(1)	Drain water seal control.	Y	
60.692-2(a)(2)	Monthly inspections. Drains in active service.	Y	
60.692-2(a)(3)	Weekly inspection. Drains out of active service.	Y	
60.692-2(a)(4)	Alternative compliance to (a)(3), drains out of active service. Semiannual inspection of caps or plugs.	Y	
60.692-2(a)(5)	Low water level and/or missing plug or cap repair requirements.	Y	
60.692-2(b)(1)	Junction box cover requirement.	Y	
60.692-2(b)(2)	Junction box cover tight seal requirement.	Y	
60.692-2(b)(3)	Junction box semiannual visual inspections.	Y	
60.692-2(b)(4)	Broken seal or gap repair requirements.	Y	
60.692-2(c)(1)	Sewer lines covered and not open to atmosphere.	Y	
60.692-2(c)(2)	Semiannual visual inspection. Unburied sewer lines.	Y	
60.692-2(c)(3)	Sewer line repair requirements.	Y	
60.692-2(e)	Wastewater routed through new process drains can 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	
60.696(a)	Initial equipment inspection.	Y	
60.697(a)	Each owner or operator shall comply with the recordkeeping provisions of Subpart QQQ.	Y	
60.697(b)(1)	Corrective action recordkeeping: Individual drain systems.	Y	
60.697(b)(2)	Corrective action recordkeeping: Junction boxes.	Y	
60.697(b)(3)	Corrective action recordkeeping: Sewer lines.	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	Y	

IV. Source Specific Applicable Requirements

Table IV – I.1
Source-specific Applicable Requirements – Process Vessels
WASTEWATER-INDIVIDUAL DRAIN SYSTEMS
APPLIES TO S434, CRACKING AND S1010, SULFUR RECOVERY UNIT

Applicable Requirement	Regulation Title or Description of Requirements	Federally Enforceable (Y/N)	Future Effective Date
	repair could not be effected without refinery or process shutdown shall be recorded.		
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	
60.697(g)	Location of capped or plugged drains that are out of active service.	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	

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 (9/15/04)**		
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	
8-8-504	Any instrument used for the measurement of organic compounds shall be a gas detector that meets the specifications and performance criteria of and has been calibrated in accordance with EPA Reference Method 21 (40 CFR 60, Appendix A)	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
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).	N	
SIP Regulation 8, Rule 8	**Wastewater (Oil-Water) Separator (8/29/94)**	**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 Retain Limit	Y	
8-7-302.13	Spitting Limit	Y	
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	

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, Rule 1	**Particulate Matter, General Requirements (12/05/07)**		
6-1-301	Ringelmann Number 1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310	Particulate Weight Limitation	N	
6-1-401	Appearance of Emissions	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/98)**		
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-401	Appearance of Emissions	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
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	
BAAQMD Regulation 12, Rule 12	**Flares at Petroleum Refineries (04/05/06)**		
12-12-301	Flare Minimization	N	
12-12-401	Flare Minimization Plan Requirements	N	
12-12-402	Submission of Flare Minimization Plans	N	
12-12-403	Review and Approval of Flare Minimization Plans	N	
12-12-404	Update of Flare Minimization Plans	N	
12-12-405	Notification of Flaring	N	
12-12-406	Determination and Reporting of Cause	N	
12-12-408	Designation of Confidential Information	N	
12-12-501	Water Seal Integrity Monitoring	N	
40 CFR Part 60 Subpart A	**New Source Performance Standards – General Provisions (01/18/08)**	**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	

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
60.7	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	
60.13	Monitoring Requirements		
60.13(i)	Alternative Monitoring		
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 Ja	**Standards of Performance for Petroleum Refineries for Which Construction, Reconstruction, or Modification Commenced After May 14, 2007 (12/01/2015)**	Y	
60.100a(a)	General applicability	Y	
60.100a(b)	Applicability dates	Y	
60.100a(c)	Flare modification	Y	
60.100a(c)(1)	Flare modification exceptions	Y	
60.100a(c)(2)	Flare modification for increased flow capacity	Y	
60.103a(f)	H2S concentration limit compliance dates for modified flares	Y	
60.103a(g)	Flare Management Plan exemption for sources complying with BAAQMD Rule 12-11 and Rule 12-12	Y	
60.103a(h)	Flare gas H2S concentration limit	Y	
60.103a(j)	Alternate means of emission limitation	Y	
60.104a(a)	Performance test requirements	Y	
60.104a(c)	Performance test methods	Y	
60.104a(j)	Test methods and procedures for fuel gas H2S concentration determination	Y	
60.107a(a)	Monitoring requirements applicability	Y	
60.107a(b)	Exemption from H2S monitoring requirement for low sulfur fuel gas streams	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
60.107a(h)	Alternative monitoring for flares located in BAAQMD	Y	
60.107a(i)	Excess emission quantification	Y	
60.107a(i)(2)	H2S concentration limit for flares	Y	
60.108a(c)	Recordkeeping Requirements	Y	
60.108a(c)(1)	Recordkeeping requirement for flare management plan	Y	
60.108a(c)(5)	Recordkeeping requirements of fuel gas monitoring stream exemptions from 60.107a(a)(3)	Y	
60.108a(d)	Excess emission report requirements	Y	
60.109a	Delegation of authority	Y	
NESHAP 40 CFR 63 Subpart A	**General Provisions (12/07/2015)**	Y	
NESHAP 40 CFR 63 Subpart CC	**National Emission Standards for Hazardous Air Pollutants from Petroleum Refineries (12/01/2015)**	Y	
63.640(s)	Overlap of this subpart with other regulations for flares	Y	01/30/2019
63.648(a)(3)	Flares must meet the requirements of 63.670 on or after January 30, 2019	Y	01/30/2019
63.655(g)(11)	Periodic report content guidelines	Y	01/30/2019
63.655(i)(6)	Retain reporting information for at least 5 years	Y	01/30/2019
63.655(i)(9)	Recordkeeping for flares	Y	01/30/2019
63.670	Requirements for flare control devices	Y	01/30/2019
63.671	Requirements for flare monitoring systems	Y	01/30/2019
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)** (Standard applies with flares are used as control devices for the purpose of complying with 40 CFR 60.482-4a(c). The main control device is the fuel gas system.)	Y	
60.482-4	Standards: Pressure Relief Devices in gas/vapor service	Y	
60.482-4(c)	Leakage routed to control device	Y	
60.482-10	Standards: Closed vent systems and control devices	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
NSPS Part 60 Subpart VVa; BAAQMD Regulation 10-52	**Applies to S307 and S434, Cracking Standards of Performance for Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry for Which Construction, Reconstruction, or Modification Commenced After November 7, 2006 (11/16/07); BAAQMD Standards of Performance for New Stationary Sources (12/20/95) (Applies to equipment in VOC service)** (Standard applies with flares are used as control devices for the purpose of complying with 40 CFR 60.482-4a(c). The main control device is the fuel gas system.)	Y	
60.482-4a	Standards: Pressure Relief Devices in gas/vapor service	Y	
60.482-4a(c)	Leakage routed to control device	Y	
60.482.10a	Standards: Closed vent systems and control devices	Y	
BAAQMD Condition 18255			
Part 3	Flaring event definition [Basis: 2-6-409.2]	Y	
Part 4	Flaring event inspection procedure [Basis: 6-301, 2-1-403]	Y	
Part 5	Flaring event compliance criteria [Basis: 2-6-403]	Y	
Part 6	Flaring event records [Basis: 2-6-501, 2-6-409.2]	Y	
Part 8	Requirement for flare gas recovery system [Basis: Consent Decree Case No. 05-0258, paragraph 139(a)]	Y	
Part 9	Periodic maintenance of flare gas recovery system [Basis: Consent Decree Case No. 05-0258, paragraph 148]	Y	
Part 10	Temporary bypass of flare gas recovery system [Basis: Consent Decree Case No. 05-0258, paragraph 149]	Y	
Part 12	Acid Gas or Hydrocarbon Flaring Incident Root Cause Analyses [Basis: Consent Decree Case No. 05-0258, paragraphs 152, 167]	Y	
Part 13	Tail Gas Root Cause Analysis [Basis: Consent Decree Case No. 05-0258, paragraph 152]	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
District Regulation 6, Rule 1	**Particulate Matter, General Requirements (12/05/07)**		
6-1-301	Ringelmann Number 1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310	Particulate Weight Limitation	N	
6-1-401	Appearance of Emissions	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/98)**		
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-401	Appearance of Emissions	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	
BAAQMD Regulation 12, Rule 12	**Flares at Petroleum Refineries (04/05/06)**		
12-12-301	Flare Minimization	N	
12-12-401	Flare Minimization Plan Requirements	N	
12-12-402	Submission of Flare Minimization Plans	N	
12-12-403	Review and Approval of Flare Minimization Plans	N	
12-12-404	Update of Flare Minimization Plans	N	

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
12-12-405	Notification of Flaring	N	
12-12-406	Determination and Reporting of Cause	N	
12-12-408	Designation of Confidential Information	N	
12-12-501	Water Seal Integrity Monitoring	N	
40 CFR Part 60 Subpart A	**New Source Performance Standards – General Provisions (01/18/08)**	**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	
60.13	Monitoring Requirements		
60.13(i)	Alternative Monitoring		
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 Ja	**Standards of Performance for Petroleum Refineries for Which Construction, Reconstruction, or Modification Commenced After May 14, 2007 (12/01/2015)**	Y	
60.100a(a)	General applicability	Y	
60.100a(b)	Applicability Dates	Y	
60.100a(c)	Flare modification	Y	
60.100a(c)(1)	Flare modification exceptions	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
60.100a(c)(2)	Flare modification for increased flow capacity	Y	
60.103a(f)	H2S concentration limit compliance dates for modified flares	Y	
60.103a(g)	Flare Management Plan exemption for sources complying with BAAQMD Rule 12-11 and Rule 12-12	Y	
60.103a(h)	Flare gas H2S concentration limit	Y	
60.103a(j)	Alternate means of emission limitation	Y	
60.104a(a)	Performance test requirements	Y	
60.104a(c)	Performance test methods	Y	
60.104a(j)	Test methods and procedures for fuel gas H2S concentration determination	Y	
60.107a(a)	Monitoring requirements applicability	Y	
60.107a(b)	Exemption from H2S monitoring requirement for low sulfur fuel gas streams	Y	
60.107a(h)	Alternative monitoring for flares located in BAAQMD	Y	
60.107a(i)	Excess emission quantification	Y	
60.107a(i)(3)	H2S concentration limit for flares	Y	
60.108a(c)	Recordkeeping Requirements	Y	
60.108a(c)(1)	Recordkeeping requirement for flare management plan	Y	
60.108a(c)(5)	Recordkeeping requirements of fuel gas monitoring stream exemptions from 60.107a(a)(3)	Y	
60.108a(d)	Excess emission report requirements	Y	
60.109a	Delegation of authority	Y	
NESHAP 40 CFR 63 Subpart A	**General Provisions (12/07/2015)**	Y	
NESHAP 40 CFR 63 Subpart CC	**National Emission Standards for Hazardous Air Pollutants from Petroleum Refineries (12/01/2015)**	Y	
63.640(s)	Overlap of this subpart with other regulations for flares	Y	01/30/2019
63.648(a)(3)	Flares must meet the requirements of 63.670 on or after January 30, 2019	Y	01/30/2019
63.655(g)(11)	Periodic report content guidelines	Y	01/30/2019
63.655(i)(6)	Retain reporting information for at least 5 years	Y	01/30/2019
63.655(i)(9)	Recordkeeping for flares	Y	01/30/2019
63.670	Requirements for flare control devices	Y	01/30/2019

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
63.671	Requirements for flare monitoring systems	Y	01/30/2019
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)** (Standard applies with flares are used as control devices for the purpose of complying with 40 CFR 60.482-4a(c). The main control device is the fuel gas system.)	Y	
60.482-4	Standards: Pressure Relief Devices in gas/vapor service	Y	
60.482-4(c)	Leakage routed to control device	Y	
60.482-10	Standards: Closed vent systems and control devices	Y	
NSPS Part 60 Subpart VVa; BAAQMD Regulation 10-52	**Applies to S307 and S434, Cracking Standards of Performance for Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry for Which Construction, Reconstruction, or Modification Commenced After November 7, 2006 (11/16/07); BAAQMD Standards of Performance for New Stationary Sources (12/20/95) (Applies to equipment in VOC service)** (Standard applies with flares are used as control devices for the purpose of complying with 40 CFR 60.482-4a(c). The main control device is the fuel gas system.)	Y	
60.482-4a	Standards: Pressure Relief Devices in gas/vapor service	Y	
60.482-4a(c)	Leakage routed to control device	Y	
60.482.10a	Standards: Closed vent systems and control devices	Y	
BAAQMD Condition 18255			
Part 3	Flaring event definition [Basis: 2-6-409.2]	Y	
Part 4	Flaring event inspection procedure [Basis: 6-301, 2-1-403]	Y	
Part 5	Flaring event compliance criteria [Basis: 2-6-403]	Y	
Part 6	Flaring event records [Basis: 2-6-501, 2-6-409.2]	Y	
Part 9	Periodic maintenance of flare gas recovery system [Basis: Consent Decree Case No. 05-0258, paragraph 148]	Y	
Part 10	Temporary bypass of flare gas recovery system [Basis: Consent Decree Case No. 05-0258, paragraph 149]	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
Part 11	Elimination of routes of routine flaring [Basis: Consent Decree Case No. 05-0258, paragraph 139(c)]	Y	
Part 12	Acid Gas or Hydrocarbon Flaring Incident Root Cause Analyses [Basis: Consent Decree Case No. 05-0258, paragraphs 152, 167]	Y	
Part 13	Tail Gas Root Cause Analysis [Basis: Consent Decree Case No. 05-0258, paragraph 152]	Y	

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 (10/03/84)**		
8-10-301	Process Vessel Depressurizing. POC emissions shall be vented through a knock-out pot and then abated in one of the following	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
	ways, to as low a vessel pressure as possible, but at least until pressure is reduced to less than 1000 mm Hg (4.6 psig)		
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	
NESHAP 40 CFR 63 Subpart A	**General Provisions (12/07/2015)**	Y	
NESHAP 40 CFR 63 Subpart CC	**National Emission Standards for Hazardous Air Pollutants from Petroleum Refineries (12/01/2015)**	Y	
63.655(e)	Reporting requirements	Y	
63.655(f)(1)(viii)	Notificaiton of compliance for delayed coking units	Y	01/30/2019
63.655(g)(12)	Periodic report requirements	Y	01/30/2019
63.655(i)(6)	Information reported required to be maintained for 5 years	Y	01/30/2019
63.655(i)(7)	Recordkeeping requirements	Y	01/30/2019
63.657	Delayed coking unit decoking operation standards	Y	01/30/2019
63.657(a)	Depressurization requirements for coke drums	Y	01/30/2019
63.657(a)(1)(i)	Average pressure level limit of 2 psig or comply with 63.657(a)(1)(ii)	Y	01/30/2019
63.657(a)(1)(ii)	Average temperature limit of 220 degrees Farenheit or comply with 63.657(a)(1)(i)	Y	01/30/2019
63.657(b)	Pressure monitoring system requirements or comply with 63.657(c)	Y	01/30/2019
63.657(c)	Continuous temperature monitoring system requirements or comply with 63.657(b)	Y	01/30/2019
63.657(d)	Requirements for pressure and temperature measurements	Y	01/30/2019

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
63.657(e)	Requirements for "water overflow" coke cooling	Y	01/30/2019
63.657(f)	Provisions for partially draining coke drums prior to achieving pressure and temperature limits	Y	01/30/2019
BAAQMD 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	

IV. Source Specific Applicable Requirements

Table IV – Na
Source-specific Applicable Requirements – Process Vessels
S304 –U-229 LIGHT NAPHTHA HYDROTREATER;
S305 – U-230 PREFRACTIONATOR / NAPHTHA HYDROTREATER;
S307 – U-240 UNICRACKING 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; S339-U80 REFINED OIL SHIPPING UNIT;
S434, U246 HIGH PRESSURE REACTOR TRAIN (CRACKING);
S435 – REFORMATE SPLITTER; S436 – DEISOPENTANIZER;
S460 – U-250 ULSD HYDROTREATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	For additional requirements for S434, see Table IV-I.1		
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 (10/03/84)**		
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 (4.6 psig)	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	

IV. Source Specific Applicable Requirements

Table IV – Na
Source-specific Applicable Requirements – Process Vessels
S304 –U-229 LIGHT NAPHTHA HYDROTREATER;
S305 – U-230 PREFRACTIONATOR / NAPHTHA HYDROTREATER;
S307 – U-240 UNICRACKING 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; S339-U80 REFINED OIL SHIPPING UNIT;
S434, U246 HIGH PRESSURE REACTOR TRAIN (CRACKING);
S435 – REFORMATE SPLITTER; S436 – DEISOPENTANIZER;
S460 – U-250 ULSD HYDROTREATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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	
40 CFR 60 Subpart QQQ	**Standards of Performance for VOC Emissions from Petroleum Refinery Wastewater Systems (8/18/95) APPLIES TO S434 ONLY. See Table IV-I.1**	Y	
BAAQMD Condition 20989, Part A	Throughput limits for S305, S435, S436, S437 [Basis: 2-1-234.3]	Y	
BAAQMD Condition 20989, Part A	Throughput limits for S319 [Basis: 2-1-234.3]	N	
BAAQMD Condition 21094	**APPLIES 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	**APPLIES TO S304 ONLY**		
Part 1	Daily throughput limit [Basis: 2-1-234]	Y	
Part 2	Daily throughput records [Basis: 2-1-234]	Y	
BAAQMD	**APPLIES TO S304, S460 ONLY**		

IV. Source Specific Applicable Requirements

Table IV – Na
Source-specific Applicable Requirements – Process Vessels
S304 –U-229 LIGHT NAPHTHA HYDROTREATER;
S305 – U-230 PREFRACTIONATOR / NAPHTHA HYDROTREATER;
S307 – U-240 UNICRACKING 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; S339-U80 REFINED OIL SHIPPING UNIT;
S434, U246 HIGH PRESSURE REACTOR TRAIN (CRACKING);
S435 – REFORMATE SPLITTER; S436 – DEISOPENTANIZER;
S460 – U-250 ULSD HYDROTREATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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	
BAAQMD Condition 22549	**[APPLIES TO S318 ONLY]**		
Part 1	Daily petroleum liquid throughput limit excluding diesel [Cumulative Increase]	Y	
Part 2	Annual throughput limit [Cumulative Increase]	Y	
Part 3	Daily records of petroleum liquid throughput limit [Cumulative Increase]	Y	
Part 4	Pressure relief devices routed to fuel gas system, furnace or flare with 98% recovery efficiency [8-28-302, BACT]	Y	
BAAQMD Condition 22965	**APPLIES TO S307 and S434**		
Part 1	Daily throughput limit [Cumulative Increase]	Y	
Part 2	Daily throughput records [Cumulative Increase]	Y	
Part 3	Pressure relief valves vented to fuel gas recovery system, furnace or flare [8-28-302, BACT]	Y	

IV. Source Specific Applicable Requirements

Table IV – Na
Source-specific Applicable Requirements – Process Vessels
S304 –U-229 LIGHT NAPHTHA HYDROTREATER;
S305 – U-230 PREFRACTIONATOR / NAPHTHA HYDROTREATER;
S307 – U-240 UNICRACKING 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; S339-U80 REFINED OIL SHIPPING UNIT;
S434, U246 HIGH PRESSURE REACTOR TRAIN (CRACKING);
S435 – REFORMATE SPLITTER; S436 – DEISOPENTANIZER;
S460 – U-250 ULSD HYDROTREATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Condition 22967	**APPLIES TO S309 ONLY**		
Part 1	Daily throughput limit [Cumulative Increase]	Y	
Part 2	Daily throughput records [Cumulative Increase]	Y	
BAAQMD Condition 22968	**APPLIES TO S339 ONLY**		
Part 1	Daily throughput limit [Cumulative Increase]	Y	
Part 2	Daily throughput records [Cumulative Increase]	Y	
BAAQMD Condition 22969	**APPLIES TO S434 ONLY**		
Part 1	Annual throughput limit [Cumulative Increase]	Y	
Part 2	Monthly throughput records [Cumulative Increase]	Y	
Part 3	Pressure relief valves vented to fuel gas recovery system, furnace or flare [8-28-302, BACT]	Y	
BAAQMD Condition 22970	**APPLIES TO S434 ONLY**		
Part A.1	Applicability of Condition 22970 [Cumulative increase, PSD]	Y	
Part A.2a	Annual NOx limit for S45, Heater, S434, U246 High Pressure Reactor Train; and S1010, Sulfur Recovery Unit [Cumulative increase]	Y	
Part A.2b	Annual SO2 limit for S45, Heater, S434, U246 High Pressure Reactor Train; and S1010, Sulfur Recovery Unit [Cumulative increase]	Y	
Part A.2c	Annual PM10 limit for S45, Heater, S434, U246 High Pressure	Y	

IV. Source Specific Applicable Requirements

Table IV – Na
Source-specific Applicable Requirements – Process Vessels
S304 –U-229 LIGHT NAPHTHA HYDROTREATER;
S305 – U-230 PREFRACTIONATOR / NAPHTHA HYDROTREATER;
S307 – U-240 UNICRACKING 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; S339-U80 REFINED OIL SHIPPING UNIT;
S434, U246 HIGH PRESSURE REACTOR TRAIN (CRACKING);
S435 – REFORMATE SPLITTER; S436 – DEISOPENTANIZER;
S460 – U-250 ULSD HYDROTREATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	Reactor Train; and S1010, Sulfur Recovery Unit [Cumulative increase, PSD]		
Part A.2d	Annual POC limit for S45, Heater, S434, U246 High Pressure Reactor Train; and S1010, Sulfur Recovery Unit [Cumulative increase]	Y	
Part A.2e	Annual CO limit for S45, Heater, S434, U246 High Pressure Reactor Train; and S1010, Sulfur Recovery Unit [Cumulative increase]	Y	
Part A.2f	Annual sulfuric acid mist limit for S45, Heater, S434, U246 High Pressure Reactor Train; and S1010, Sulfur Recovery Unit [PSD]	Y	
Part A.2g	Annual ammonia limit for S45, Heater, S434, U246 High Pressure Reactor Train; and S1010, Sulfur Recovery Unit [BAAQMD Regulation 2, Rule 5]	N	
Part A.3	Daily sulfuric acid mist limit for S45, Heater, S434, U246 High Pressure Reactor Train; and S1010, Sulfur Recovery Unit at Facility A0016 and S2 at B7419. [PSD]	Y	
Part A.4	Determination of compliance with Part A.2 [Cumulative increase, PSD, BAAQMD Regulation 2, Rule 5]	Y	
Part A.5	Additional offsets and PSD analysis, if necessary [Offsets, PSD]	Y	
Part A.6	Annual PM10 limit for S45, S434, and S1010 at Facility A0016, and S2 and S3 at Facility B7419 [1-104, 2-2-304]	Y	
Part B	Offset Report [2-1-403, 2-2-410]	Y	

IV. Source Specific Applicable Requirements

Table IV – Nb
Source-specific Applicable Requirements – Process Vessels
S306 – U-231 PLATFORMING UNIT; S308 – U-244 REFORMING UNIT

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 (10/03/84)**		
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 (4.6 psig)	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	
40 CFR 63	**National Emission Standards for Hazardous Pollutants for**	Y	

IV. Source Specific Applicable Requirements

Table IV – Nb
Source-specific Applicable Requirements – Process Vessels
S306 – U-231 PLATFORMING UNIT; S308 – U-244 REFORMING UNIT

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Subpart UUU	**Petroleum Refineries: Catalytic Cracking Units, Catalytic Reforming Units, and Sulfur Recovery Units (12/01/15)**		
63.1561	Am I subject to this subpart?	Y	
63.1562(a)	New, reconstructed, or existing affected sources	Y	
63.1562(b)(2)	Catalytic reforming units	Y	
63.1562(f)(5)	Exemption for gaseous streams routed to a fuel gas system	Y	
63.1563	When do I have to comply with this subpart?	Y	
63.1563(b)	Deadline for existing sources-4/11/05	Y	
63.1563(e)	Notification requirements	Y	
63.1566	What are my requirements for organic HAP emissions from catalytic reforming units?	Y	
63.1566(a)	Emission Limitations and Work Practice Standards	Y	
63.1566(a)(1)	Meet each emission limitation in Table 15 that applies	Y	
63.1566(a)(1)(i)	Vent TOC emissions to flare or comply with 63.1566(a)(1)(ii)	Y	
63.1566(a)(1)(ii)	TOC or non-methane TOC percent reduction standard or concentration limit, whichever is less stringent or comply with 63.1566(a)(1)(i)	Y	
63.1566(a)(2)	Comply with option 1 in Table 16: flare pilot light must be on and flare must be operating at all times that emissions from S306 or S308 regeneration vented to flare	Y	
63.1566(a)(3)	Applicability of emission limitations-emissions from catalytic reforming unit process vents associated with initial catalyst depressuring and catalyst purging operations that occur prior to the coke burn-off cycle. The emission limitations in Tables 15 and 16 of this subpart do not apply to the coke burn-off, catalyst rejuvenation, reduction or activation vents, or to the control systems used for these vents.	Y	
63.1566(a)(4)	Emission limitations do not apply during depressuring when the vessel is at or below 5 psig except that during active purging operations or active depressuring the emission limitations apply regardless of the reactor vent pressure	Y	
63.1566(a)(5)	Prepare an Operation, Maintenance and Monitoring Plan and operate in compliance with the plan	Y	
63.1566(b)	How do I demonstrate initial compliance with the emission limitations and work practice standard?	Y	

IV. Source Specific Applicable Requirements

Table IV – Nb
Source-specific Applicable Requirements – Process Vessels
S306 – U-231 PLATFORMING UNIT; S308 – U-244 REFORMING UNIT

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.1566(b)(1)	Install, operate, and maintain a continuous monitoring system(s)	Y	
63.1566(b)(2)	Conduct each performance test required by Table 18: Option 1 or Option 2	Y	
63.1566(b)(3)	Establish each site-specific operating limit in Table 16 that applies	Y	
63.1566(b)(4)	Determine initial compliance with emission limitations	Y	
63.1566(b)(5)(i)	No requirement to perform TOC performance test if emissions are vented to a flare as provided in Option 1 of Table 15	Y	
63.1566(b)(6)	Demonstrate initial compliance with each emission limitation that applies according to Table 19	Y	
63.1566(b)(7)	Demonstrate Initial Compliance with Work Practice Standard by submitting Operation, Maintenance, and Monitoring Plan	Y	
63.1566(b)(8)	Submit the Notification of Compliance Status per §63.1574	Y	
63.1566(c)	How do I demonstrate continuous compliance with the emission limitations and work practice standards?	Y	
63.1566(c) (1)	Demonstrate continuous compliance with emission limitations in Table 15 and Table 16	Y	
63.1566(c) (2)	Demonstrate continuous compliance with work practice standards by complying with the procedures in the operation, maintenance, and monitoring plan	Y	
63.1567	Requirements for Inorganic HAP Emissions from Catalytic Reforming Units	Y	
63.1567(a)	Emission Limitations and Work Practice Standards	Y	
63.1567(a)(1)	Emission Limitations for Hydrogen Chloride (HCl) during coke burn-off and catalyst rejuvenation using internal scrubbing system: Reduce uncontrolled HCl emissions by 92% or to a concentration of 30 ppmvd corrected to 3%O2 (Table 22, Item 1)	Y	
63.1567(a)(2)	The HCl concentration in the catalyst regenerator exhaust gas must not exceed the limit established during the performance test. (Table 2, Item 1.b)	Y	
63.1567(a)(3)	Prepare Operation, Maintenance, and Monitoring Plan and operate in compliance with the plan	Y	
63.1567(b)	How do I demonstrate initial compliance with the emission limitations and work practice standard?	Y	

IV. Source Specific Applicable Requirements

Table IV – Nb
Source-specific Applicable Requirements – Process Vessels
S306 – U-231 PLATFORMING UNIT; S308 – U-244 REFORMING UNIT

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.1567(b)(1)	Install, operate, and maintain a continuous monitoring system(s) according to the requirements in §63.1572 and Table 24 of this subpart.	~~Y~~	
63.1567(b)(2)	Performance Test: measure HCl concentration at the outlet (for the concentration standard) or at the inlet and outlet (for the percent reduction standard) of the scrubber (Table 25, Item 4.ii) Conduct each performance test for a catalytic reforming unit according to the requirements in §63.1571 and the conditions specified in Table 25 of this subpart.	Y	
63.1567(b)(3)	Establish each site-specific operating limit in Table 23 of this subpart that applies to you according to the procedures in Table 25 of this subpart.	Y	
63.1567(b)(4)	Demonstrate Initial Compliance with Emission Limitations: reduce HCl concentration by 92% or to 30 ppmv (Table 26, Item 1) Use the equations in paragraphs (b)(4)(i) through (iv) of this section to determine initial compliance with the emission limitations.	Y	
63.1567(b)(5)	Demonstrate Initial Compliance with Work Practice Standard by submitting Operation, Maintenance, and Monitoring Plan Demonstrate initial compliance with each emission limitation that applies to you according to Table 26 of this subpart.	Y	
63.1567(b)(6)	Submit Notice of Initial Compliance Status Demonstrate initial compliance with the work practice standard in paragraph (a)(3) of this section by submitting the operation, maintenance, and monitoring plan to your permitting authority as part of your Notification of Compliance Status.	Y	
63.1567(b)(7)	Submit the Notification of Compliance Status containing the results of the initial compliance demonstration according to the requirements in §63.1574.		
63.1567(c)	Continuous Compliance Demonstration How do I demonstrate continuous compliance with the emission limitations and work practice standard?	Y	
63.1567(c)(1)	Demonstrate Continuous Compliance with Emission Limitation: maintain 92% control efficiency or 30 ppmv HCl concentration Table 28, Item 1.c.	Y	
63.1567(c)(2)	Demonstrate Continuous Compliance with Work Practice Standard through maintaining records to document conformance with the	Y	

IV. Source Specific Applicable Requirements

Table IV – Nb
Source-specific Applicable Requirements – Process Vessels
S306 – U-231 PLATFORMING UNIT; S308 – U-244 REFORMING UNIT

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	Operation, Maintenance, and Monitoring Plan		
63.1570	What are my general requirements for complying with this subpart?	Y	
63.1570(a)	Operate in compliance with non-opacity standards at all times	Y	
63.1570(c)	Operate and maintain source including pollution control and monitoring equipment in a manner consistent with safety and good air pollution control practices for minimizing emissions	Y	
63.1570(d)	During the period between the compliance date specified for your affected source and the date upon which continuous monitoring systems have been installed and validated and any applicable operating limits have been set, you must maintain a log detailing the operation and maintenance of the process and emissions control equipment	Y	
63.1570(f)	Report deviations from compliance with this subpart according to the requirements of 63.1575	Y	
63.1571	How and when do I conduct a performance test or other initial compliance demonstration?	Y	
63.1571(a)(1)	For emission limitation or work practice standard where compliance not demonstrated using performance test, opacity observation, or visible emission observation, conduct initial compliance demonstration within 30 days after compliance date	Y	
63.1571(b)	Requirements for Performance Tests	Y	
63.1571(b)(1)	Conduct performance tests in accordance with the requirements of 63.7(e) except that performance tests shall be conducted at the maximum representative operating capcity for the process	Y	
63.1571(b)(2)	Conduct three separate test runs of at least an hour for each performance test	Y	
63.1571(b)(3)	Conduct each performance evaluation in accordance with the requirements of 63.8(e)	Y	
63.1571(b)(4)	Arithmetic average of emission rates	Y	
63.1571(c)	What procedures must I use for an engineering assessment?		
63.1571(d)	Can I adjust the process or control device measured values when establishing an operating limit?		
63.1571(d)(4)	Adjust process or control device measured values when establishing operating limit (optional)	Y	
63.1571(e)	Changes to Operating limits	Y	
63.1572	What are my monitoring installation, operation, and maintenance	Y	

IV. Source Specific Applicable Requirements

Table IV – Nb
Source-specific Applicable Requirements – Process Vessels
S306 – U-231 PLATFORMING UNIT; S308 – U-244 REFORMING UNIT

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	requirements?		
63.1572(c)(1)	Use a colormetric tube sampling system with a printed numerical scale in ppmv, a standard measurement range of 1 to 10 ppmv (or 1 to 30 ppmv if applicable), and a standard deviation for measured values of no more than +/- 15 percent. System must include a gas detection pump and hot air probe if needed for the measurement range. Table 41, Item 3.	Y	
63.1572(c)(2)	One cycle every 15 minutes	Y	
63.1572(c)(3)	Valid hourly average data from at least 75% of hours operated	Y	
63.1572(c)(4)	Hourly and daily averages	Y	
63.1572(c)(5)	Records of results of inspections, calibrations, and validation checks	Y	
63.1572(d)	Data monitoring and collection requirements	Y	
63.1572(d)(1)	Conduct monitoring at all times source is operating	Y	
63.1572(d)(2)	Not use data recorded during required QA/QC activities (including calibration checks and required zero and span adjustments)	Y	
63.1573	What are my monitoring alternatives?	Y	
63.1573(d)	Can I use another type of monitoring system? (Note: another type of monitoring system may not be used without prior approval)	Y	
63.1573(e)	Can I monitor other process or control device operating parameters? (Note: Facility may not other process or control device operating parameters without prior approval)	Y	
63.1573(f)	How do I request to monitor alternative parameters?	Y	
63.1574	What notifications must I submit and when?	Y	
63.1574(a)	Notifications Required by Subpart A	Y	
63.1574(a)(2)	Submit notification of intent to conduct performance test 30 days before scheduled (instead of 60 days)	Y	
63.1574(a)(3)	Notification of Compliance Status	Y	
63.1574(a)(3)(ii)	Submit Notification of Compliance Status for initial compliance demonstration that includes a performance test, no later than 150 days after source compliance date	Y	
63.1574(d)	Information to be Submitted in Notice of Compliance Status (Table 42): identification of affected sources and emission points (Item 1); initial compliance demonstration (Item 2); continuous compliance (Item 3)	Y	
63.1574(f)	Requirement to prepare Operation, Maintenance, and Monitoring Plan	Y	
63.1574(f)(1)	Submit plan to permitting authority for review and approval along with NOCS. Include duty to prepare and implement plan into Part 70 or 71 permit.	Y	
63.1574(f)(2)	Minimum contents of Operation, Maintenance, and Monitoring Plan	Y	

IV. Source Specific Applicable Requirements

Table IV – Nb
Source-specific Applicable Requirements – Process Vessels
S306 – U-231 PLATFORMING UNIT; S308 – U-244 REFORMING UNIT

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.1575	What reports must I submit and when?	Y	
63.1575(a)	Required reports: Statement that there were no deviations or report including information in 1575(c) through (e) (Table 43, Item 1) on a semi-annual basis; Performance test and CEMS performance evaluation data (Table 43, Item 2) within 60 days after the test completion date according to 63.1575(k) (Table 43, Item 2)	Y	
63.1575(b)	Specified semiannual report submittal dates	Y	
63.1575(c)	Information required in compliance report	Y	
63.1575(d)	Information required for deviations from emission limitations and work practice standards where CEMS or COMS is not used to comply with emission limitation or work practice standard	Y	
63.1575(f)	Additional information for compliance reports	Y	
63.1575(f)(1)	Requirement to submit performance test reports	Y	
63.1575(f)(2)	Submittal of requested change in the applicability of an emission standard	Y	
63.1575(g)	Submittal of reports required by other regulations in place of or as part of compliance report if they contain the required information	Y	
63.1575(k)	Electronic submittal of performance test and CEMS performance evaluation data	Y	
63.1575(k)(1)	Submittal of performance test results within 60 days	Y	
63.1576	What records must I keep, in what form, and for how long?	Y	
63.1576(a)	Required Records – General	Y	
63.1576(d)	Records required by Tables 20, 21, 27, and 28 of Subpart UUU	Y	
63.1576(e)	Maintain copy of Operation, Maintenance, and Monitoring Plan	Y	
63.1576(f)	Records of changes that affect emission control system performance	Y	
63.1576(g)	Records in a form suitable and readily available for review	Y	
63.1576(h)	Maintain records for 5 years	Y	
63.1576(i)	Records onsite for two years; may be maintained offsite for remaining 3 years	Y	
BAAQMD Condition 20989, Part A	Throughput limit for S306 [Basis: 2-1-234.3]	Y	
BAAQMD Condition 22966	**APPLIES TO S308 ONLY**		
Part 1	Daily throughput limit [Cumulative Increase]	Y	
Part 2	Daily records of throughput [Cumulative Increase]	Y	
Part 3	Pressure relief devices routed to fuel gas system, furnace or flare with 98% recovery efficiency [8-28-302, BACT]	Y	

IV. Source Specific Applicable Requirements

Table IV – Nc
Source-specific Applicable Requirements – Process Vessels
S437 – HYDROGEN PLANT

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)**		
8-2-301	Miscellaneous Operations: emissions shall not exceed 15 lb/day and 300 ppm carbon on a dry basis	Y	
BAAQMD Regulation 8, Rule 9	**Organic 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	
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 (10/3/84)**		
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	

IV. Source Specific Applicable Requirements

Table IV – Nc
Source-specific Applicable Requirements – Process Vessels
S437 – HYDROGEN PLANT

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-10-301.1	recovery to the fuel gas system	Y	
8-10-301.2	combustion at a firebox or incinerator	Y	
8-10-301.3	combustion at a flare	Y	
8-10-301.4	containment such that emissions to atmosphere do not occur	Y	
8-10-401	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	

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	

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
8-10-302.2	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 (10/3/84)**		
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 (4.6 psig)	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	

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 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	
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 - 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	

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
8-10-503	Recordkeeping	N	
8-10-601	Monitoring Procedures	N	
SIP Regulation 8, Rule 10	**Organic Compounds – Process Vessel Depressurization (10/03/84)**		
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 (4.6 psig)	Y	
8-10-301.1	recovery to the fuel gas system	Y	
8-10-301.2	combustion at a firebox or incinerator	Y	
8-10-301.3	combustion at a flare	Y	
8-10-301.4	containment such that emissions to atmosphere do not occur	Y	
8-10-401	Turnaround Records. The following records shall be kept for each process unit turnaround, and retained for at least 2 years and made available to the District on demand during inspections:	Y	
8-10-401.1	date of depressurization event	Y	
8-10-401.2	approximate vessel hydrocarbon concentration when emissions to atmosphere begin	Y	
8-10-401.3	approximate quantity of POC emissions to atmosphere	Y	
BAAQMD Condition 6725			
Part 1	Flange, valve design requirements [Basis: Cumulative Increase]	Y	
Part 2	Vent collection requirement for relief valves [Basis: Cumulative Increase]	Y	
Part 3	Pump, compressor design requirements [Basis: Cumulative Increase]	Y	
Part 4	Daily throughput limit [Cumulative Increase]	Y	
Part 5	Pressure relief valves vented to fuel gas recovery system, furnace or flare [8-28-302, BACT]	Y	
Part 6	Daily records [Cumulative Increase]	Y	

IV. Source Specific Applicable Requirements

Table IV – Q.1
Source-specific Applicable Requirements
S352 - COMBUSTION TURBINE
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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 (5/04/11)**		
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		
1-522.3	performance testing requirements	Y	
1-522.4	reporting of inoperative CEMs	Y	
1-522.5	CEM calibration requirements	Y	
1-522.6	CEM accuracy requirements	Y	
1-522.7	emission limit exceedances 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	
1-523	Parametric Monitoring and Recordkeeping Procedures	N	
1-523.1	Parametric monitor periods of inoperation	Y	
1-523.2	Limits on periods of inoperation	Y	
1-523.3	Reports of Violations	N	
1-523.4	Records	Y	
1-523.5	Maintenance and calibration	N	
1-602	Area and Continuous Monitoring Requirements	N	
SIP Regulation 1	**PROVISIONS NO LONGER IN CURRENT RULE General Provisions and Definitions (6/28/99)**		
1-522	Continuous Emission Monitoring and Recordkeeping Procedures	Y – note 1	
1-522.7	emission limit exceedances reporting requirements	Y - note 1	
1-523	Parametric Monitoring and Recordkeeping Procedures	Y – note 1	
1-523.3	Reports of Violations	Y – note 1	
BAAQMD Regulation 2, Rule 1	**Regulation 2, Rule 1 – Permits, General Requirements (04/18/12)**		

IV. Source Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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 Regulation 6, Rule 1	**Particulate Matter, General Requirements (12/05/07)**		
6-1-301	Ringelmann #1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310.3	Particulate Weight Limitation: Heat Transfer Operation	N	
6-1-401	Appearance of Emissions	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/98)**		
6-301	Ringelmann #1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-310.3	Particulate Weight Limitation; Heat Transfer Operation	Y	
BAAQMD Regulation 9, Rule 9	**Inorganic Gaseous Pollutants – Nitrogen Oxides from Stationary Gas Turbines (12/6/06)**	N	
9-9-113	Exemption – Inspection/Maintenance	N	
9-9-114	Exemption – Startup/Shutdown	N	
9-9-115	Limited Exemption, Minor Inspection and Maintenance Work	N	
9-9-120	Interchangeable Emission Reduction Credits	N	
9-9-301	Emission Limits – General	N	
9-9-301.1.3	Emission Limits	N	
9-9-301.2	Emission limits effective on January 1, 2010	N	
9-9-401	Efficiency Certification	Y	
9-9-501	Continuous Emission Monitoring (CEM)	N	

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Table IV – Q.1
Source-specific Applicable Requirements
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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
9-9-601	Determination of Emissions	N	
9-9-602	Determination of Stack Gas Oxygen	Y	
9-9-603	Continuous Emission Monitoring	N	
9-9-604	Determination of HHV and LHV	N	
9-9-605	Compliance With Output Based NOx Emissions Standards	N	
SIP Regulation 9, Rule 9	**Inorganic Gaseous Pollutants – Nitrogen Oxides from Stationary Gas Turbines (12/15/97)**		
9-9-113	Exemption – Inspection/Maintenance	Y	
9-9-114	Exemption – Startup/Shutdown	Y	
9-9-301	Emission Limits – General	Y	
9-9-301.3	Emission Limits	Y	
9-9-401	Efficiency Certification	Y	
9-9-501	Continuous Emission Monitoring (CEM)	Y	
9-9-600	Manual of Procedures	Y	
9-9-601	Determination of Emissions	Y	
9-9-603	continuous Emission Monitoring	Y	
9-9-604	Determination of HHV and LHV	Y	
BAAQMD Manual of Procedures, Volume V	**Continuous Emission Monitoring Policy and Procedures (1/20/82)**	Y	
40 CFR 60 Subpart A	**New Source Performance Standards- General Provisions (10/23/15)**		
60.13	Monitoring Requirements	Y	
40 CFR 60, Subpart J	**Standards of Performance for Petroleum Refineries (121/15)**		
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 emergency malfunctions	Y	
60.105	Monitoring of Emissions and Operations	Y	

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Table IV – Q.1
Source-specific Applicable Requirements
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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.105(a)(4)	monitoring requirement for H2S (dry basis) in fuel gas prior to combustion (except for natural gas)	Y	
60.105(a)(4)(iv)	Exemption from SO2 or H2S monitoring for fuel inherently low in sulfur content (UK Sweet gas and natural gas)	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	
60.107(e)	Recordkeeping – Maintain records of 60.105(a)(4)(iv) exemption chosen.	Y	
40 CFR 60, Subpart GG	**Standards of Performance for Stationary Gas Turbines (2/27/14)**		
60.330	Applicability	Y	
60.332(a)(2)	Alternate Standard, NOx (except when ice fog deemed a traffic hazard per 60.332(f)	Y	
60.332(d)	Compliance with 60.332(a)(2) required	Y	
60.332(f)	Exemption from 60.332(a)(2) when steam injection would result in ice fog which is deemed a traffic hazard	Y	
60.332(k)	Exemption: Natural gas turbines >10 MMbtu/hr when firing emergency fuel	Y	
60.333	Performance Standards, SO2	Y	
60.333(b)	Fuel Sulfur Limit (in lieu of SO2 concentration emission limit – 150 ppmv @ 15% O2 - in 60.333(a))	Y	
60.334	Monitoring Requirements	Y	
60.334(h)(1)	Fuel Sulfur Content (for refinery fuel gas)	Y	
60.334(h)(3)(i)	Gas Quality Characteristics in current, valid purchase contract (for natural gas)	Y	
60.334(i)	Fuel sulfur content monitoring frequency	Y	
6.0334(i)(3)	Custom schedules for determination of fuel sulfur content	Y	

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Table IV – Q.1
Source-specific Applicable Requirements
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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
6.0334(i)(3)(i)	Custom schedules for determination of fuel sulfur content	Y	
60.334(j)	Excess emission reporting per 60.7(c)	Y	
60.334(j)(2)	Excess emission definition for fuel sulfur content	Y	
6.0334(j)(2)(i)	Excess emission definition for fuel sulfur content	Y	
60.334(j)(2)(iii)	Monitor downtime period definition	Y	
60.334(j)(5)	Excess emission reports due the 30th day following end of each calendar quarter	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] (Part 9a will be deleted after offsets are provided for CFEP project)	Y	
Part 9b	NOx hourly, daily and annual emission limits after offsets are	Y	

IV. Source Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	provided by the turbines/duct burners [Basis: BACT, Cumulative Increase]		
Part 9c	NOx CEM requirement [Basis: BACT, Cumulative Increase]	Y	
Part 9d	Requirement for fuel meter [Basis: Cumulative Increase, 2-6-503]	Y	
Part 10a	CO annual emission limits [Basis: BACT, Cumulative Increase]	Y	
Part 10b	CO CEM requirement [Basis: BACT, Cumulative Increase]	Y	
Part 11	POC hourly and annual emission limits [Basis: BACT, Cumulative Increase]	Y	
Part 12	Refinery fuel gas testing requirement for total reduced sulfur [Basis: Cumulative Increase]	Y	
Part 13	Reporting requirement for refinery fuel gas total reduced sulfur measurements [Basis: Cumulative Increase]	Y	
Part 14	Annual POC source test [Basis: Regulation 2-6-409.2]	Y	
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	

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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 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	
BAAQMD Condition 22970			
Part B	Offset Report [2-1-403, 2-2-410]	Y	

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

IV. Source Specific Applicable Requirements

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

Table IV – 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 (5/04/11)**		
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		
1-522.3	performance test requirements	Y	
1-522.4	reporting of inoperative CEMs	Y	
1-522.5	CEM calibration requirements	Y	
1-522.6	CEM accuracy requirements	Y	
1-522.7	emission limit exceedance reporting requirements	N	
1-522.8	monitoring data submittal requirements	Y	
1-522.9	recordkeeping requirements	Y	
1-522.10	Regulation 1-521 monitors shall 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, Rule 1	**Particulate Matter and Visible Emissions (12/7/07)**		
6-1-301	Ringelmann #1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310.3	Particulate Weight Limitation, Heat Transfer Operations	N	
6-1-401	Appearance of Emissions	N	

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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
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/98)**		
6-301	Ringelmann #1 Limitation	Y	
6-305	Visible Particles	Y	
6-1-310	Particulate Weight Limitation	Y	
6-310.3	Particulate Weight Limitation	Y	
BAAQMD Regulation 2, Rule 1	**Regulation 2, Rule 1 - Permits, General Requirements (11/19/08)**		
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 Regulation 9, Rule 10	**Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon Monoxide from Boilers, Steam Generators, and Process Heaters in Petroleum Refineries (10/16/13)**		
9-10-110.3	Exemption: Waste heat recovery boilers associated with gas turbines	Y	
BAAQMD Manual of Procedures, Volume V	**Continuous Emission Monitoring Policy and Procedures (1/20/82)**	Y	
40 CFR 60, Subpart A	**New Source Performance Standards - General Provisions (03/16/1994)**		
60.13	Monitoring Requirements	Y	
40 CFR 60, Subpart Db	**Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units (2/27/14)**		
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	

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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
60.40b(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	Y	
60.48b	Emission Monitoring for NOx	Y	
60.48b(b)(1)	Install, calibrate, and operate CEM and record output for measuring NOx discharges	Y	
60.48b(c)	Record data during all periods of operation of CEM except during breakdown and repairs	Y	
60.48b(d)	Continuous NOx monitors measure 1-hr average emission rates	Y	
60.48b(e)	Complies with 60.13	Y	
60.48b(e)(2)	Span values for NOx	Y	
60.48b(e)(3)	Span values for NOx rounded to nearest 500 ppm	Y	
60.48b(f)	Standby monitoring system and test methods	Y	
60.48b(g)	NOx CEM requirements for units with 250 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	

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Table IV – Q.2
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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
60.49b(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 (12/1/15)**		
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(a)(4)(iv)	Exemption from SO2 or H2S monitoring for fuel inherently low in sulfur content (UK Sweet gas and natural gas)	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	
60.107(e)	Recordkeeping – Maintain records of 60.105(a)(4)(iv) exemption chosen.	Y	
BAAQMD Condition 12122			
Part 1	Restriction to natural gas and refinery fuel gas [Basis: Cumulative	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
	Increase]		
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] (Part 9a will be deleted after offsets are provided for CFEP project)	Y	
Part 9b	NOx hourly, daily and annual emission limits after offsets are provided by the turbines/duct burners [Basis: BACT, Cumulative Increase]	Y	
Part 9c	NOx CEM requirement [Basis: BACT, Cumulative Increase]	Y	
Part 9d	Requirement for fuel meter [Basis: Cumulative Increase, 2-6-503]	Y	
Part 10a	CO annual emission limits [Basis: BACT, Cumulative Increase]	Y	
Part 10b	CO CEM requirement [Basis: BACT, Cumulative Increase]	Y	
Part 11	POC hourly and annual emission limits [Basis: BACT, Cumulative Increase]	Y	
Part 12	Refinery fuel gas testing requirement for total reduced sulfur [Basis: Cumulative Increase]	Y	
Part 13	Reporting requirement for refinery fuel gas total reduced sulfur measurements [Basis: Cumulative Increase]	Y	
Part 14	Annual POC source test [Basis: Regulation 2-6-409.2]	Y	
Part 15	Recordkeeping requirement [Basis: BACT, 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 16	Alternative monitoring plan for U240 Sweet Unicracker Gas [40 CFR 60.13(i), EPA letter of July 2, 2007	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 IX.G.3.a.(1)	total sulfur concentration in each fuel gas sample	Y	

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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 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	
BAAQMD Condition 22970			
Part B	Offset Report [2-1-403, 2-2-410]	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	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	General Operating Requirements	Y	
8-16-303.1.1	Operate and maintain in proper working order	Y	
8-16-303.1.2	Leak Repair Requirement	Y	
8-16-303.1.3	Solvent Storage or Disposal – Evaporation Prevention	Y	
8-16-303.1.4	Waste Solvent Disposal	Y	
8-16-303.1.4(a)	Covered Containers for Waste Solvent Awaiting Pick-up	Y	
8-16-303.1.5	Solvent Evaporation Minimization Devices shall not be Removed	Y	
8-16-303.1.6	Solvent Spray Requirements	Y	
8-16-303.2	Cold Cleaner Operating Requirements	Y	
8-16-303.2.1	Solvent shall be Drained from Cleaned Parts	Y	
8-16-303.2.2	Solvent Agitation	Y	
8-16-303.2.3	Solvent Cleaning of Porous or Absorbent Materials is Prohibited	Y	
8-16-303.3	Cold Cleaner General Equipment Requirements	Y	
8-16-303.3.1	Container	Y	
8-16-303.3.2	Solvent Evaporation Reduction for Idle Equipment	Y	
8-16-303.3.3	Used Solvent Returned to Container	Y	
8-16-303.3.4	Label Stating Operating Requirements	Y	
8-16-303.5	Cold Cleaner Requirements for Repair and Maintenance Cleaning	Y	
8-16-303.5.2	Cleaning solution shall be branched, cyclic, or linear completely methylated siloxane (VMS)	Y	
8-16-501	Solvent Records	Y	
8-16-501.2	Facility-wide Monthly Solvent Usage Records	Y	
8-16-501.3	Monthly Records of Type and Amount of Solvent Used for Wipe Cleaning	Y	
8-16-501.5	Records Retained for Previous 24 Month Period	Y	
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	

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
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	

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	Y	
8-44-111	Exemption: marine vessel fueling	Y	
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 (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	
8-44-304	Emission Control Requirements	N	
8-44-305	Equipment Leaks	N	
8-44-305.1	Emission Limits	N	
8-44-305.3	Inspection requirements during operation	N	
8-44-305.4	Tagging, minimization, and repair requirements	N	
8-44-403	Notifications Regarding Safety/Emergency Exemption	N	
8-44-501	Recordkeeping	N	
8-44-501.1	Records for loading events	N	

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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
8-44-501.1.1	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	
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	
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	
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	
8-44-503	Record Keeping – Exemptions	N	
8-44-504	Burden of Proof	Y	
SIP Regulation 8, Rule 44	**Organic Compounds-Marine Vessel Loading Terminals (8/30/93)**	**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	

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
8-44-304.1	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	
8-44-305	Ozone Excess Day Prohibition	Y	
8-44-402	Safety/Emergency Operations	Y	
8-44-402.1	Rule does not require act/omission in violation of Coast Guard/other rules	Y	
8-44-402.2	Rule does not prevent act/omission for vessel safety or saving life at sea	Y	
8-44-501	Record keeping	Y	
8-44-501.1	Name and location	Y	
8-44-501.2	Responsible company	Y	
8-44-501.3	Dates and times	Y	
8-44-501.4	Name, registry of the vessel loaded and legal owner	Y	
8-44-501.5	Prior cargo carried	Y	
8-44-501.6	Type, amount of liquid cargo loaded	Y	
8-44-501.7	Condition of tanks	Y	
8-44-502	Burden of proof	Y	
40 CFR 63 Subpart A	**National Emission Standards for Hazardous Air Pollutants for Source Categories (12/01/2015)**	Y	
NESHAPS Part 63 Subpart Y	**National Emission Standards for Marine Tank Vessel Loading Operations (12/01/15)**		
63.560(a)	Maximum Achievable Control Technology (MACT) applicability	Y	
63.560(a)(2)	MACT does not apply to existing sources with emissions < 10 and 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	
63.560(b)(2)	Sources with throughput less than 10 million barrels of gasoline and 200 million barrels of crude oil are exempt from the emission standards of 63.562(c) and (d).	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	

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 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	
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 and gas oil via tanker (ship) or barge, limit on number of tankers or ships [Cumulative increase, 2-1-403, Offsets]	Y	
Part 8	Recordkeeping requirement [Basis: Cumulative Increase]	Y	
Part 9	Destruction efficiency [Basis: BACT]	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 and not exposed to the atmosphere [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 – Ua
Source-specific Applicable Requirements
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 1	**General Provisions and Definitions (4/18/2012//)**		
1-520	Continuous Emission Monitoring	Y	
1-520.8	Monitors pursuant to Regulation 10	Y	
1-522	Continuous Emission Monitoring and Recordkeeping Procedures		
1-522.3	CEM performance testing	Y	
1-522.4	reporting of inoperative CEMs	Y	
1-522.5	CEM calibration requirements	Y	
1-522.6	CEM accuracy requirements	Y	
1-522.7	emission limit exceedance reporting requirements	N	
1-522.8	monitoring data submittal requirements	Y	
1-522.9	recordkeeping requirements	Y	
1-522.10	Regulation 1-521 monitors shall 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, Rule 1	**Particulate Matter, General Requirements (12/5/07)**		
6-1-301	Ringelmann #1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310	Particulate Weight Limitation	N	
6-1-311	General Operations	N	
6-1-330	Sulfur Recovery Units (SO3, H2SO4 emission limitations)	N	
6-1-401	Appearance of Emissions	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/98)**		
6-301	Ringelmann #1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	

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Table IV – Ua
Source-specific Applicable Requirements
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
6-311	General Operations	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	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	
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)**		
60.7	Notification and record keeping	Y	
60.7(a)(5)	Notification of beginning of demonstration of continuous monitoring system	Y	
60.7(b)	Records of startup, shutdown, or malfunction, malfunction of control equipment; or periods when CEM is inoperative	Y	
60.7(c)	Excess emissions and monitoring systems reports	Y	
60.7(d)	Format of summary report forms	Y	
60.7(f)	Records	Y	
60.8	Performance tests	Y	

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Table IV – Ua
Source-specific Applicable Requirements
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
60.11	Compliance with standards and maintenance requirements	Y	
60.11(a)	Compliance determined by performance tests and CEM	Y	
60.11(d)	Good air pollution control practice	Y	
60.11(f)	applicable subpart shall supersede any conflicting provisions in paragraphs (a) through (e)	Y	
60.11(g)	Credible evidence	Y	
60.12	Circumvention	Y	
60.13	Monitoring requirements	Y	
60.13(a)	CEMs subject to Appendices B and F	Y	
60.13(b)	Installation of CEMs before performance tests	Y	
60.13(d)(1)	Zero and span calibration drifts	Y	
60.13(e)	Continuous operation; minimum frequency of operation	Y	
60.13(e)(2)	Monitoring cycle every 15 minutes	Y	
60.13(f)	Representative measurements	Y	
60.19	General notification and reporting requirements	Y	
NSPS 40 CFR 60 Subpart Ja	**Standards of Performance for Petroleum Refineries for which Construction, Reconstruction, or Modification Commenced After May 14, 2007 (12/01/15)**		
60.100a(b)	Applicability to sources built after 5/14/07	Y	
60.102a	Emissions limitations	Y	
60.102a(a)	Compliance within 60 days of achieving maximum production rate or 180 days after initial startup	Y	
60.102a(f)(1)	Standards for Sulfur Oxides	Y	
60.102a(f)(3)	Periods of maintenance for the sulfur pits	Y	
60.103a	Work Practice Standards	Y	
60.103a(c)(3)	Root cause analysis of any emission limit exceedance or process start-up, shutdown, upset, or malfunction that causes a discharge to the atmosphere in excess 500 lb per day of SO2.	Y	
60.103a(d)	Root cause analysis and corrective action analysis must be completed not later than 45 days after a discharge meeting the conditions specified in 60.103a(c)(3)	Y	
60.103a(d)(1)	Root cause analysis for a single continuous discharge	Y	

IV. Source Specific Applicable Requirements

Table IV – Ua
Source-specific Applicable Requirements
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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
60.103a(d)(5)	Root cause analysis for more than one affected facility in the same 24-hour period	Y	
60.103a(e)	Implementation of corrective action(s) identified pursuant to 60.103a(d)	Y	
60.104a	Performance tests	Y	
60.104a(a)	Initial performance test	Y	
60.104a(c)	Allowable performance tests	Y	
60.104a(h)	Performance tests for SRUs	Y	
60.104a(h)(1)	Method 1 for sample and velocity traverses	Y	
60.104a(h)(2)	Method 2 for velocity and volumetric flow rate	Y	
60.104a(h)(3)	Method 3, 3A, or 3B for gas analysis	Y	
60.104a(h)(4)	Method 6, 6A, or 6C for SO2 concentration	Y	
60.104a(h)(5)	Method 15 or 15A for reduced sulfur compounds and H2S concentrations	Y	
60.106a	Monitoring of emissions and operations for sulfur recovery units	Y	
60.106a(a)	Continuous monitoring systems	Y	
60.106a(a)(1)	Continuous SO2 and O2 Monitoring systems	Y	
60.106a(b)	Excess emissions		
60.108a	Recordkeeping and reporting requirements.	Y	
60.108a(a)	Compliance with notification, recordkeeping, and reporting requirements in §60.7 and other requirements as specified in this section.	Y	
60.108a(b)	Notification to Administrator of monitoring option	Y	
60.108a(c)(6)	Notification of discharges greater than 500 lb SO2/day and discharge to flare greater than 500,000 scfd	Y	
60.108a(d)	Excess emissions reports	Y	
NSPS 40 CFR 60 Appendix B	**Performance Specifications**		
Performance Specification 2	Specifications and Test Procedures for SO2 and NOX Continuous Emission Monitoring Systems in Stationary Sources	Y	
NSPS	**Quality Assurance Procedures**		

IV. Source Specific Applicable Requirements

Table IV – Ua
Source-specific Applicable Requirements
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
40 CFR 60 Appendix F			
40 CFR 63 Subpart UUU	**National Emission Standards for Hazardous Pollutants for Petroleum Refineries: Catalytic Cracking Units, Catalytic Reforming Units, and Sulfur Recovery Units (12/01/15)**	**Y**	
63.1561	Am I subject to this subpart?	Y	
63.1562(a)	New, reconstructed, or existing affected sources	Y	
63.1562(b)(3)	Sulfur recovery units and tail gas treatment units	Y	
63.1563	When do I have to comply with this subpart?	Y	
63.1563(b)	Deadline for existing sources-4/11/05	Y	
63.1563(e)	Notification requirements	Y	
63.1568	What are my requirements for HAP emissions from sulfur recovery units?	Y	
63.1568(a)	Emission limitations and work practice standards	Y	
63.1568(a)(1)	Sulfur Emission Limitation from Claus sulfur recovery units electing to meet NSPS Limits: 250 ppmvd SO2 at 0% excess air. (Table 29, Item 2.a)	Y	
63.1568(a)(3)	Prepare Operation, Maintenance, and Monitoring Plan and operate at all times according to the procedures in the plan	Y	
63.1568(a)(4)	Options for compliance during periods of startup and shutdown	Y	
63.1568(b)	Demonstrate Initial Compliance with Emission Limitation and Work Practice Standard	Y	
63.1568(b)(1)	Continuous Emission Monitoring System to measure and record hourly average SO2 concentration, with O2 monitor to correct excess air concentration (Table 31, Item 2.a)	Y	
63.1568(b)(2)	Performance Test: measure SO2 concentration using CEMS every 15 minutes for 24 hours and reduce the data to 1-hr averages (Table 32, Item 1)	Y	
63.1568(b)(5)	Demonstrate Initial Compliance with Emission Limitation: Average SO2 emissions measured by CEMS in initial performance test not greater than 250 ppmvd at 0% excess O2, and monitoring system meets applicable requirements (Table 33, Item 2.a)	Y	
63.1568(b)(6)	Demonstrate initial compliance by submitting Operation, Maintenance, and Monitoring Plan	Y	

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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
63.1568(b)(7)	Submit Notice of Compliance Status	Y	
63.1568(c)	Demonstrate Continuous Compliance with Emission Limitation and Work Practice Standards	Y	
63.1568(c)(1)	Demonstrate Continuous Compliance with Emission Limitation: collect hourly average SO2 monitoring data; maintain hourly average below applicable limit; determine and record each 12-hour concentration; report 12-hour concentration greater than applicable limitation (Table 34, Item 2.a)	Y	
63.1568(c)(2)	Demonstrate Continuous Compliance with Work Practice Standards by complying with the procedures in Operation, Maintenance, and Monitoring Plan.	Y	
63.1570	What are my general requirements for complying with this subpart?	Y	
63.1570(a)	Operate in compliance with non-opacity standards at all times	Y	
63.1570(c)	Operate and maintain source including pollution control and monitoring equipment ina manner consistent with safety and good air pollution control practices for minimizing emissions.	Y	
63.1570(d)	Between 4/11/05 and the date continuous monitoring systems are installed and validated and operating limits have been set, maintain a log detailing operation and maintenance of process and equipment.	Y	
63.1570(f)	Report deviations from compliance with this subpart according to the requirements of 63.1575	Y	
63.1571	How and when do I conduct a performance test or other initial compliance demonstration?	Y	
63.1571(a)	Conduct Performance Test and submit results no later than 150 days after compliance date	Y	
63.1571(a)(1)	For emission limitation or work practice standard where compliance not demonstrated using performance test, opacity observation, or visible emission observation, conduct initial compliance demonstration within 30 days after compliance date	Y	
63.1571(b)	Requirements for Performance Tests	Y	
63.1571(b)(1)	Conduct performance tests in accordance with the requirements of 63.7(e) and at maximum representative operating capacity for the process.	Y	
63.1571(b)(2)	Conduct three separate test runs of at least an hour for each	Y	

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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	performance test		
63.1571(b)(3)	Conduct each performance evaluation in accordance with the requirements of 63.8(e)	Y	
63.1571(b)(4)	Arithmetic average of emission rates	Y	
63.1572	What are my monitoring installation, operation, and maintenance requirements?	Y	
63.1572(a)	Requirements for installation, operation, and maintenance of continuous emission monitoring system	Y	
63.1572(a)(1)	SO2 CEMS must meet requirements of Performance Specification 2 (40 CFR Part 60, App B) (Table 40, Item 4)	Y	
63.1572(a)(2)	Conduct performance evaluation for SO2 CEMS according to Performance Specification 2 (Table 40, Item 4)	Y	
63.1572(a)(3)	CEMS must complete one cycle of operation for each 15-minute period	Y	
63.1572(a)(4)	Data reduction per 63.8(g)(2)	Y	
63.1572(d)	Data monitoring and collection requirements	Y	
63.1572(d)(1)	Conduct all monitoring in a continuous operation at all times the affected source is operating	Y	
63.1572(d)(2)	Data recorded during QA/QC activities (including calibration checks and required zero and span adjustments) not used for compliance purposes	Y	
63.1573	What are my monitoring alternatives?	Y	
63.1573(e)	Monitoring for alternative parameters (optional)	Y	
63.1573(f)	Alternative Monitoring Requests (optional)	Y	
63.1574	What notifications must I submit and when?	Y	
63.1574(a)	Notifications Required by Subpart A	Y	
63.1574(a)(1)	Notifications of reconstruction	Y	
63.1574(a)(2)	Submit notification of intent to conduct performance test 30 days before scheduled (instead of 60 days)	Y	
63.1574(a)(3)	Notification of Compliance Status	Y	
63.1574(a)(3)(ii)	Submit Notification of Compliance Status for initial compliance demonstration that includes a performance test, no later than 150 days after source compliance date	Y	
63.1574(d)	Information to be Submitted in Notice of Compliance Status (Table	Y	

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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	42): identification of affected sources and emission points (Item 1); initial compliance demonstration (Item 2); continuous compliance (Item 3)		
63.1574(f)	Requirement to prepare Operation, Maintenance, and Monitoring Plan	Y	
63.1574(f)(1)	Submit plan to permitting authority for review and approval along with notification of compliance status. Include duty to prepare and implement plan into Part 70 or 71 permit.	Y	
63.1574(f)(2)	Minimum contents of Operation, Maintenance, and Monitoring Plan	Y	
63.1574(f)(2)(ii)	Procedures for monitoring emissions and process and control device operating parameters for each affected source.	Y	
63.1574(f)(2)(viii)	Monitoring schedule	Y	
63.1574(f)(2)(ix)	Quality control plan for continuous emission monitor	Y	
63.1574(f)(2)(x)	Maintenance schedule for monitoring systems and control devices	Y	
63.1575	What reports must I submit and when?	Y	
63.1575(a)	Required reports: Statement that there were no deviations or report including information in 63.1575(c) through (e) (Table 43, Item 1) on a semi-annual basis; Performance test and CEMS performance evaluation data (Table 43, Item 2) within 60 days after the test completion date according to 63.1575(k)	Y	
63.1575(b)	Specified semiannual report submittal dates	Y	
63.1575(c)	Information required in compliance report	Y	
63.1575(d)	Information required for deviations from emission limitations and work practice standards where CEMS or COMS is not used to comply with emission limitation or work practice standard	Y	
63.1575(e)	Information required for deviations from emission limitations and work practice standards where CEMS or COMS is used to comply with emission limitation or work practice standard	Y	
63.1575(f)	Additional information for compliance reports	Y	
63.1575(f)(1)	Requirement to submit performance test reports	Y	

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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.1575(f)(2)	Submittal of requested change in the applicability of an emission standard	Y	
63.1575(g)	Submittal of reports required by other regulations in place of or as part of compliance report if they contain the required information	Y	
63.1575(k)	Electronic submittal of performance test and CEMS performance evaluation data	Y	
63.1575(k)(1)	Submittal of performance test results within 60 days	Y	
63.1575(k)(2)	Submittal of CEMS performance evaluation data within 60 days	Y	
63.1576	What records must I keep, in what form, and for how long?	Y	
63.1576(a)	Required Records – General	Y	
63.1576(b)	Records for CEMs	Y	
63.1576(b)(1)	Records described in §63.10(b)(2)(vi) through (xi).	Y	
63.1576(b)(3)	Performance evaluation plan as required in §63.8(d)(2).	Y	
63.1576(b)(4)	Requests for alternatives to the relative accuracy test for continuous emission monitoring systems as required in §63.8(f)(6)(i).	Y	
63.1576(b)(5)	Records of the date and time that each deviation started and stopped.	Y	
63.1576(d)	Records required by Tables 34 and 35 of Subpart UUU	Y	
63.1576(e)	Maintain copy of operation, maintenance, and monitoring plan	Y	
63.1576(f)	Records of changes that affect emission control system performance	Y	
63.1576(g)	Records in a form suitable and readily available for review	Y	
63.1576(h)	Maintain records for 5 years	Y	
63.1576(i)	Records onsite for 2 years; may be maintained offsite for remaining 3 years	Y	
BAAQMD Condition 18255			
Part 13	Tail Gas Root Cause Analysis [Basis: Consent Decree Case No. 05-0258, paragraph 152]	Y	
BAAQMD Condition 19278			
Part 3	Annual source test to verify SO3 and H2SO4 exhaust concentrations. [Basis: Regulation 6-330]	Y	
Part 4	Visible emissions monitoring for particulate [Basis: Regulation	Y	

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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	2-6-503]		
Part 5	Source test within 90 days of issuance of Major Facility Review permit pursuant to Application 10994; Annual testing [2-6-503]	Y	
Part 6	Daily and annual throughput limits for S1002 and S1003 [Cumulative Increase]	Y	
BAAQMD Condition 21099	**APPLIES 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	
BAAQMD Condition 22964	**APPLIES TO S301, S302, S303**		
Part 1	Throughput limit for S301, S302, S303 [Cumulative Increase]	Y	
Part 4	Abatement requirement for S301 [Consent Decree Case No. 05-0258, paragraph 123, DATE: 1/27/05; Consent Decree Case No. 05-0258 amendment, paragraph 123, DATE: 5/1/07; 40 CFR 60.104(a)(2)(i)]	Y	
Part 5	Abatement requirement for S302 [Consent Decree Case No. 05-0258, paragraph 123, DATE: 1/27/05; Consent Decree Case No. 05-0258 amendment, paragraph 123, DATE: 5/1/07; 40 CFR 60.104(a)(2)(i)]	Y	
Part 6	Abatement requirement for S303 [Consent Decree Case No. 05-0258, paragraph 123, DATE: 1/27/05; Consent Decree Case No. 05-0258 amendment, paragraph 123, DATE: 5/1/07; 40 CFR 60.104(a)(2)(i)]	Y	
Part 7	Maintenance allowance for sulfur pits [Consent Decree Case No. 05-0258 amendment, paragraph 123, DATE: 5/1/07]	Y	

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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 8	Recordkeeping [Cumulative Increase]	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 – Ub
Source-specific Applicable Requirements
S465, MOLTEN SULFUR PIT; S1010 – U235 SULFUR PLANT UNIT

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	For additional requirements for S1010, see Table IV-I.1		
BAAQMD Regulation 1	**General Provisions and Definitions (5/4/11)**		
1-501	Sampling Facilities	Y	
1-520	Continuous Emission Monitoring	Y	
1-520.4	CEMS for SO2	Y	
1-522	Continuous Emission Monitoring and Recordkeeping Procedures		
1-522.1	approval of plans and specifications	Y	
1-522.2	scheduling requirements	Y	
1-522.3	CEM performance testing	Y	
1-522.4	reporting of inoperative CEMs	Y	
1-522.5	CEM calibration requirements	Y	
1-522.6	CEM accuracy requirements	Y	
1-522.7	emission limit exceedance reporting requirements	N	
1-522.8	monitoring data submittal requirements	Y	
1-522.9	recordkeeping requirements	Y	
1-522.10	Regulation 1-521 monitors shall meet requirements specified by District	Y	
1-523	Parametric Monitoring and Recordkeeping Procedures	N	
1-523.1	Parametric monitor periods of inoperation	Y	
1-523.2	Limits on periods of inoperation	Y	

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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
1-523.3	Reports of Violations	N	
1-523.4	Records	Y	
1-523.5	Maintenance and calibration	N	
1-602	Area and Continuous Monitoring Requirements	N	
SIP Regulation 1	**General Provisions and Definitions (6/28/99)**		
1-522	Continuous Emission Monitoring and Recordkeeping Procedures	Y[1]	
1-522.7	emission limit exceedance reporting requirements	Y[1]	
1-523	Parametric Monitoring and Recordkeeping Procedures	Y[1]	
1-523.3	Reports of Violations	Y[1]	
BAAQMD Regulation 6, Rule 1	**Particulate Matter, General Requirements (12/5/07)**		
6-1-301	Ringelmann #1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310.3	Particulate Weight Limitation	N	
6-1-311	General Operations	N	
6-1-330	Sulfur Recovery Units (SO3, H2SO4 emission limitations)	N	
6-1-401	Appearance of Emissions	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/98)**		
6-301	Ringelmann #1 Limitation	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation	Y	
6-311	General Operations	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)**		
9-1-307	Emission Limitations for Sulfur Recovery Plants	Y	
9-1-313	Sulfur Removal Operations at Petroleum Refineries (processing more than 20,000 bbl/day of crude oil)	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	N	

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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	and ammonia from process water streams (sulfur recovery is required when a facility removes 16.5 ton/day or more of elemental sulfur).		
9-1-502	Emission Monitoring Requirements	Y	
9-1-605	Emission Monitoring	Y	
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	
BAAQMD Manual of Procedures, Volume IV	**Source Test Policy and Procedures (1/20/82)**	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)**		
60.7	Notification and record keeping	Y	
60.7(a)(5)	Notification of beginning of demonstration of continuous monitoring system	Y	
60.7(b)	Records of startup, shutdown, or malfunction, malfunction of control equipment; or periods when CEM is inoperative	Y	
60.7(c)	Excess emissions and monitoring systems reports	Y	
60.7(d)	Format of summary report forms	Y	
60.7(f)	Records	Y	
60.8	Performance tests	Y	
60.11	Compliance with standards and maintenance requirements	Y	
60.11(a)	Compliance determined by performance tests and CEM	Y	
60.11(d)	Good air pollution control practice	Y	
60.11(f)	applicable subpart shall supersede any conflicting provisions in	Y	

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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	paragraphs (a) through (e)		
60.11(g)	Credible evidence	Y	
60.12	Circumvention	Y	
60.13	Monitoring requirements	Y	
60.13(a)	CEMs subject to Appendices B and F	Y	
60.13(b)	Installation of CEMs before performance tests	Y	
60.13(d)(1)	Zero and span calibration drifts	Y	
60.13(e)	Continuous operation; minimum frequency of operation	Y	
60.13(e)(2)	Monitoring cycle every 15 minutes	Y	
60.13(f)	Representative measurements	Y	
60.19	General notification and reporting requirements	Y	
NSPS 40 CFR 60 Subpart Ja	**Standards of Performance for Petroleum Refineries for which Construction, Reconstruction, or Modification Commenced After May 14, 2007 (12/01/15)**		
60.100a(b)	Applicability to sources built after 5/14/07	Y	
60.102a	Emissions limitations	Y	
60.102a(a)	Compliance within 60 days of achieving maximum production rate or 180 days after initial startup	Y	
60.102a(f)(1)	Standards for Sulfur Oxides	Y	
60.102a(f)(3)	Periods of maintenance for the sulfur pits	Y	
60.103a	Work Practice Standards	Y	
60.103a(c)(3)	Root cause analysis of any emission limit exceedance or process start-up, shutdown, upset, or malfunction that causes a discharge to the atmosphere in excess 500 lb per day of SO2.	Y	
60.103a(d)	Root cause analysis and corrective action analysis must be completed not later than 45 days after a discharge meeting the conditions specified in 60.103a(c)(3)	Y	
60.103a(d)(1)	Root cause analysis for a single continuous discharge	Y	
60.103a(d)(5)	Root cause analysis for more than one affected facility in the same 24-hour period	Y	
60.103a(e)	Implementation of corrective action(s) identified pursuant to 60.103a(d)	Y	
60.104a	Performance tests	Y	
60.104a(a)	Initial performance test	Y	
60.104a(c)	Allowable performance tests	Y	

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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.104a(h)	Performance tests for SRUs	Y	
60.104a(h)(1)	Method 1 for sample and velocity traverses	Y	
60.104a(h)(2)	Method 2 for velocity and volumetric flow rate	Y	
60.104a(h)(3)	Method 3, 3A, or 3B for gas analysis	Y	
60.104a(h)(4)	Method 6, 6A, or 6C for SO2 concentration	Y	
60.104a(h)(5)	Method 15 or 15A for reduced sulfur compounds and H2S concentrations	Y	
60.106a	Monitoring of emissions and operations for sulfur recovery units	Y	
60.106a(a)	Continuous monitoring systems	Y	
60.106a(a)(1)	Continuous SO2 and O2 Monitoring systems	Y	
60.106a(b)	Excess emissions	Y	
60.108a	Recordkeeping and reporting requirements.	Y	
60.108a(a)	Compliance with notification, recordkeeping, and reporting requirements in §60.7 and other requirements as specified in this section.	Y	
60.108a(b)	Notification to Administrator of monitoring option	Y	
60.108a(c)(6)	Notification of discharges greater than 500 lb SO2/day and discharge to flare greater than 500,000 scfd	Y	
60.108a(d)	Excess emissions reports	Y	
40 CFR 60 Subpart QQQ	**Standards of Performance for VOC Emissions from Petroleum Refinery Wastewater Systems (8/18/95) APPLIES TO S1010 ONLY. See Table IV-I.1**	Y	
NSPS 40 CFR 60 Appendix B	**Performance Specifications**		
Performance Specification 2	Specifications and Test Procedures for SO2 and NOX Continuous Emission Monitoring Systems in Stationary Sources	Y	
NSPS 40 CFR 60 Appendix F	**Quality Assurance Procedures**		
40 CFR 63 Subpart	**National Emission Standards for Hazardous Pollutants for Petroleum Refineries: Catalytic Cracking Units, Catalytic**	**Y**	

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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
UUU	**Reforming Units, and Sulfur Recovery Units (12/01/15)**		
63.1561	Am I subject to this subpart?	Y	
63.1562(a)	New, reconstructed, or existing affected sources	Y	
63.1562(b)(3)	Sulfur recovery units and tail gas treatment units	Y	
63.1563	When do I have to comply with this subpart?	Y	
63.1563(b)	Deadline for existing sources-4/11/05	Y	
63.1563(e)	Notification requirements	Y	
63.1568	What are my requirements for HAP emissions from sulfur recovery units?	Y	
63.1568(a)	Emission limitations and work practice standards	Y	
63.1568(a)(1)(i)	Sulfur Emission Limitation from Claus sulfur recovery units electing to meet NSPS Limits: 250 ppmvd SO2 at 0% excess air. (Table 29, Item 2.a)	Y	
63.1568(a)(3)	Prepare Operation, Maintenance, and Monitoring Plan and operate at all times according to the procedures in the plan	Y	
63.1568(a)(4)	Options for compliance during periods of startup and shutdown	Y	
63.1568(b)	Demonstrate Initial Compliance with Emission Limitation and Work Practice Standard	Y	
63.1568(b)(1)	Continuous Emission Monitoring System to measure and record hourly average SO2 concentration, with O2 monitor to correct excess air concentration (Table 31, Item 2.a)	Y	
63.1568(b)(2)	Performance Test: measure SO2 concentration using CEMS every 15 minutes for 24 hours and reduce the data to 1-hr averages (Table 32, Item 1)	Y	
63.1568(b)(5)	Demonstrate Initial Compliance with Emission Limitation: Average SO2 emissions measured by CEMS in initial performance test not greater than 250 ppmvd at 0% excess O2, and monitoring system meets applicable requirements (Table 33, Item 2.a)	Y	
63.1568(b)(6)	Demonstrate initial compliance by submitting Operation, Maintenance, and Monitoring Plan	Y	
63.1568(b)(7)	Submit Notice of Compliance Status	Y	
63.1568(c)	Demonstrate Continuous Compliance with Emission Limitation and Work Practice Standards	Y	
63.1568(c)(1)	Demonstrate Continuous Compliance with Emission Limitation: collect hourly average SO2 monitoring data; maintain hourly	Y	

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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	average below applicable limit; determine and record each 12-hour concentration; report 12-hour concentration greater than applicable limitation (Table 34, Item 2.a)		
63.1568(c)(2)	Demonstrate Continuous Compliance with Work Practice Standards by complying with the procedures in Operation, Maintenance, and Monitoring Plan.	Y	
63.1570	What are my general requirements for complying with this subpart?	Y	
63.1570(a)	Operate in compliance with non-opacity standards at all times	Y	
63.1570(c)	Operate and maintain source including pollution control and monitoring equipment in a manner consistent with safety and good air pollution control practices for minimizing emissions.	Y	
63.1570(d)	Between 4/11/05 and the date continuous monitoring systems are installed and validated and operating limits have been set, maintain a log detailing operation and maintenance of process and equipment.	Y	
63.1570(f)	Report deviations from compliance with this subpart according to the requirements of 63.1575	Y	
63.1571	How and when do I conduct a performance test or other initial compliance demonstration?	Y	
63.1571(a)	Conduct Performance Test and submit results no later than 150 days after compliance date	Y	
63.1571(a)(1)	For emission limitation or work practice standard where compliance not demonstrated using performance test, opacity observation, or visible emission observation, conduct initial compliance demonstration within 30 days after compliance date	Y	
63.1571(b)	Requirements for Performance Tests	Y	
63.1571(b)(1)	Conduct performance tests in accordance with the requirements of 63.7(e) and at maximum representative operating capacity for the process.	Y	
63.1571(b)(2)	Conduct three separate test runs of at least an hour for each performance test	Y	
63.1571(b)(3)	Conduct each performance evaluation in accordance with the requirements of 63.8(e)	Y	
63.1571(b)(4)	Arithmetic average of emission rates	Y	
63.1572	What are my monitoring installation, operation, and maintenance requirements?	Y	

IV. Source Specific Applicable Requirements

Table IV – Ub
Source-specific Applicable Requirements
S465, MOLTEN SULFUR PIT; S1010 – U235 SULFUR PLANT UNIT

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.1572(a)	Requirements for installation, operation, and maintenance of continuous emission monitoring system	Y	
63.1572(a)(1)	SO2 CEMS must meet requirements of Performance Specification 2 (40 CFR Part 60, App B) (Table 40, Item 4)	Y	
63.1572(a)(2)	Conduct performance evaluation for SO2 CEMS according to Performance Specification 2 (Table 40, Item 4)	Y	
63.1572(a)(3)	CEMS must complete one cycle of operation for each 15-minute period	Y	
63.1572(a)(4)	Data reduction per 63.8(g)(2)	Y	
63.1572(d)	Data monitoring and collection requirements	Y	
63.1572(d)(1)	Conduct all monitoring at all times in a continuous operation at all times the affected source is operating	Y	
63.1572(d)(2)	Data recorded during QA/QC activities (including calibration checks and required zero and span adjustments) not used for compliance purposes	Y	
63.1573	What are my monitoring alternatives?	Y	
63.1573(e)	Monitoring for alternative parameters (optional)	Y	
63.1573(f)	Alternative Monitoring Requests (optional)	Y	
63.1574	What notifications must I submit and when?	Y	
63.1574(a)	Notifications Required by Subpart A	Y	
63.1574(a)(1)	Notifications of reconstruction	Y	
63.1574(a)(2)	Submit notification of intent to conduct performance test 30 days before scheduled (instead of 60 days)	Y	
63.1574(a)(3)	Notification of Compliance Status	Y	
63.1574(a)(3)(ii)	Submit Notification of Compliance Status for initial compliance demonstration that includes a performance test, no later than 150 days after source compliance date	Y	
63.1574(d)	Information to be Submitted in Notice of Compliance Status (Table 42): identification of affected sources and emission points (Item 1); initial compliance demonstration (Item 2); continuous compliance (Item 3)	Y	
63.1574(f)	Requirement to prepare Operation, Maintenance, and Monitoring Plan	Y	
63.1574(f)(1)	Submit plan to permitting authority for review and approval along with notification of compliance status. Include duty to prepare and	Y	

IV. Source Specific Applicable Requirements

Table IV – Ub
Source-specific Applicable Requirements
S465, MOLTEN SULFUR PIT; S1010 – U235 SULFUR PLANT UNIT

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	implement plan into Part 70 or 71 permit.		
63.1574(f)(2)	Minimum contents of Operation, Maintenance, and Monitoring Plan	Y	
63.1574(f)(2)(ii)	Procedures for monitoring emissions and process and control device operating parameters for each affected source.	Y	
63.1574(f)(2)(viii)	Monitoring schedule	Y	
63.1574(f)(2)(ix)	Quality control plan for continuous emission monitor	Y	
63.1574(f)(2)(x)	Maintenance schedule for monitoring systems and control devices	Y	
63.1575	What reports must I submit and when?	Y	
63.1575(a)	Required reports: Statement that there were no deviations or report including information in 63.1575(c) through (e) (Table 43, Item 1) on a semi-annual basis; Performance test and CEMS performance evaluation data (Table 43, Item 2) within 60 days after the test completion date according to 63.1575(k)	Y	
63.1575(b)	Specified semiannual report submittal dates	Y	
63.1575(c)	Information required in compliance report	Y	
63.1575(d)	Information required for deviations from emission limitations and work practice standards where CEMS or COMS is not used to comply with emission limitation or work practice standard	Y	
63.1575(e)	Information required for deviations from emission limitations and work practice standards where CEMS or COMS is used to comply with emission limitation or work practice standard	Y	
63.1575(f)	Additional information for compliance reports	Y	
63.1575(f)(1)	Requirement to submit performance test reports	Y	
63.1575(f)(2)	Submittal of requested change in the applicability of an emission standard	Y	
63.1575(g)	Submittal of reports required by other regulations in place of or as part of compliance report if they contain the required information	Y	
63.1575(k)	Electronic submittal of performance test and CEMS performance evaluation data	Y	
63.1575(k)(1)	Submittal of performance test results within 60 days	Y	
63.1575(k)(2)	Submittal of CEMS performance evaluation data within 60 days	Y	

IV. Source Specific Applicable Requirements

Table IV – Ub
Source-specific Applicable Requirements
S465, MOLTEN SULFUR PIT; S1010 – U235 SULFUR PLANT UNIT

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.1576	What records must I keep, in what form, and for how long?	Y	
63.1576(a)	Required Records – General	Y	
63.1576(b)	Records for CEMs	Y	
63.1576(b)(1)	Records described in §63.10(b)(2)(vi) through (xi).	Y	
63.1576(b)(3)	Performance evaluation plan as required in §63.8(d)(2).	Y	
63.1576(b)(4)	Requests for alternatives to the relative accuracy test for continuous emission monitoring systems as required in §63.8(f)(6)(i).	Y	
63.1576(b)(5)	Records of the date and time that each deviation started and stopped.	Y	
63.1576(d)	Records required by Tables 34 and 35 of Subpart UUU	Y	
63.1576(e)	Maintain copy of operation, maintenance, and monitoring plan	Y	
63.1576(f)	Records of changes that affect emission control system performance	Y	
63.1576(g)	Records in a form suitable and readily available for review	Y	
63.1576(h)	Maintain records for 5 years	Y	
63.1576(i)	Records onsite for 2 years; may be maintained offsite for remaining 3 years	Y	
40 CFR 64	**Compliance Assurance Monitoring (10/27/97)**	Y	
64.2(a)	General Applicability	Y	
64.3	Monitoring design criteria	Y	
64.3(a)(1)	One or more indicators or emissions	Y	
64.3(a)(2)	Appropriate range	Y	
64.3(a)(3)(i)	Indicator based on a single minimum value (for temperature monitoring)	Y	
64.3(b)	Performance criteria	Y	
64.3(b)(1)	Requirement for specifications that provide for obtaining data that are representative of the parameters (for temperature monitor)	Y	
64.3(b)(1)	Requirement for specifications that provide for obtaining data that are representative of the emissions (for CO and SO2 CEMs, use BAAQMD Manual of Procedures Volume V, approval from District Source Test Group)	Y	
64.3(b)(2)	Verification procedures	Y	
64.3(b)(3)	Quality assurance and control practices	Y	
64.3(b)(4)	Specifications for frequency	Y	
64.3(c)	Evaluation factors	Y	
64.3(d)	Special criteria for the use of continuous emission, opacity or predictive monitoring systems	Y	

IV. Source Specific Applicable Requirements

Table IV – Ub
Source-specific Applicable Requirements
S465, MOLTEN SULFUR PIT; S1010 – U235 SULFUR PLANT UNIT

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
64.4	Submittal Requirements	Y	
64.4(a)	Submittal information (applies to temperature monitor)	Y	
64.4(a)(1)	Indicators to be monitored (applies to temperature monitor)	Y	
64.4(a)(2)	Ranges or designated conditions (applies to temperature monitor)	Y	
64.4(a)(3)	Performance criteria (applies to temperature monitor)	Y	
64.4(b)	Presumptively acceptable monitoring (applies to CO and SO2 CEMs)	Y	
64.4(b)(2)	Use of CEMs (applies to CO and SO2 CEMs)	Y	
64.4(c)(1)	Verification during source tests	Y	
64.4(c)(2)	Documentation of no change to control device	Y	
64.4(d)	Submittal of test plan	Y	
64.4(e)	Implementation plan and schedule for installing, testing and performing	Y	
64.5	Deadlines for submittals	Y	
64.5(b)	Other pollutant-specific units	Y	
64.6	Approval of monitoring	Y	
64.6(b)	Conditions for approval	Y	
64.6(c)	Establishment of permit terms	Y	
64.6(d)	Enforceable schedule	Y	
64.7	Operation of approved monitoring	Y	
64.7(a)	Commencement of monitoring	Y	
64.7(b)	Maintenance	Y	
64.7(c)	Continued operation	Y	
64.7(d)	Response to exceedances or excursions	Y	
64.7(e)	Documentation of need for improved monitoring	Y	
64.9	Reporting and recordkeeping requirements	Y	
64.10	Savings provisions	Y	
BAAQMD Condition 18255			
Part 13	Tail Gas Root Cause Analysis [Basis: Consent Decree Case No. 05-0258, paragraph 152]	Y	
BAAQMD			

IV. Source Specific Applicable Requirements

Table IV – Ub
Source-specific Applicable Requirements
S465, MOLTEN SULFUR PIT; S1010 – U235 SULFUR PLANT UNIT

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Condition 22964			
Part 2	Annual throughput limit at S465 [Cumulative increase]	Y	
Part 3	Control of S465, Sulfur Pit, by S1010 [Cumulative increase, 40 CFR 60.104(b)]	Y	
Part 9	Recordkeeping [Cumulative increase]	Y	
BAAQMD Condition 22970			
Part A.1	Applicability of Condition 22970 [Cumulative increase, PSD]	Y	
Part A.2a	Annual NOx limit for S45, Heater, S434, U246 High Pressure Reactor Train; and S1010, Sulfur Recovery Unit [Cumulative increase]	Y	
Part A.2b	Annual SO2 limit for S45, Heater, S434, U246 High Pressure Reactor Train; and S1010, Sulfur Recovery Unit [Cumulative increase]	Y	
Part A.2c	Annual PM10 limit for S45, Heater, S434, U246 High Pressure Reactor Train; and S1010, Sulfur Recovery Unit [Cumulative increase, PSD]	Y	
Part A.2d	Annual POC limit for S45, Heater, S434, U246 High Pressure Reactor Train; and S1010, Sulfur Recovery Unit [Cumulative increase]	Y	
Part A.2e	Annual CO limit for S45, Heater, S434, U246 High Pressure Reactor Train; and S1010, Sulfur Recovery Unit [Cumulative increase]	Y	
Part A.2f	Annual sulfuric acid mist limit for S45, Heater, S434, U246 High Pressure Reactor Train; and S1010, Sulfur Recovery Unit [PSD]	Y	
Part A.2g	Annual ammonia limit for S45, Heater, S434, U246 High Pressure Reactor Train; and S1010, Sulfur Recovery Unit [BAAQMD Regulation 2, Rule 5]	N	
Part A.3	Daily sulfuric acid mist limit for S45, Heater, S434, U246 High Pressure Reactor Train; and S1010, Sulfur Recovery Unit at Facility A0016 and S2 at B7419. [PSD]	Y	
Part A.4.b	Determination of compliance with Part A.2 [Cumulative increase,	Y	

IV. Source Specific Applicable Requirements

Table IV – Ub
Source-specific Applicable Requirements
S465, MOLTEN SULFUR PIT; S1010 – U235 SULFUR PLANT UNIT

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	PSD, BAAQMD Regulation 2, Rule 5]		
Part A.4.b.i	Use of data from SO2 and CO CEMs	Y	
Part A.4.b.ii	Use of data from annual source tests for NOx and sulfuric acid mist	Y	
Part A.4.b.iii	Use of data from annual source tests for ammonia	N	
Part A.4.b.iv	Use of data from initial source tests for POC and PM10	Y	
Part A.5	Additional offsets and PSD analysis, if necessary [Offsets, PSD]	Y	
Part A.6	Annual PM10 limit for S45, S434, and S1010 at Facility A0016, and S2 and S3 at Facility B7419 [1-104, 2-2-304]	Y	
Part B	Offset Report [2-1-403, 2-2-410]	Y	
BAAQMD Condition 23125			
Part 1	Throughput limit [Cumulative Increase]	Y	
Part 3	Abatement requirement [Cumulative Increase]	Y	
Part 4	Control requirement for S503, S504, and S505 [Cumulative Increase, 2-1-305]	Y	
Part 5	Pressure relief devices [8-28-302, BACT]	Y	
Part 6	Requirement for use of natural gas as supplemental fuel at incinerator [BACT]	Y	
Part 7a	Concentration limit for SO2 [BACT]	Y	
Part 7b	Concentration limit for CO [BACT]	Y	
Part 7c	Concentration limit for NOx [BACT]	Y	
Part 8a	Concentration limit for NH3 [Regulation 2, Rule 5]	N	
Part 8b	Concentration limit for H2S [Regulation 2, Rule 5]	N	
Part 9a	Hourly mass emission limit for NOx [2-1-305]	Y	
Part 9b	Hourly mass emission limit for H2S [Regulation 2, Rule 5]	N	
Part 9c	Hourly mass emission limit for NH3 [Regulation 2, Rule 5]	N	
Part 10a	Daily mass emission limit for sulfuric acid mist [PSD]	Y	
Part 10b	Daily mass emission limit for PM10 [2-1-301]	Y	
Part 11a	Annual mass emission limit for SO2 [BACT, Cumulative Increase]	Y	
Part 11b	Annual mass emission limit for NH3 [Regulation 2, Rule 5]	Y	
Part 11c	Annual mass emission limit for CO [BACT, Cumulative Increase]	Y	
Part 11d	Annual mass emission limit for NOx [BACT, Cumulative Increase]	Y	
Part 11e	Annual mass emission limit for POC [Cumulative Increase]	Y	

IV. Source Specific Applicable Requirements

Table IV – Ub
Source-specific Applicable Requirements
S465, MOLTEN SULFUR PIT; S1010 – U235 SULFUR PLANT UNIT

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 11f	Annual mass emission limit for PM10 [Cumulative Increase]	Y	
Part 11g	Annual mass emission limit for sulfuric acid mist [2-1-301]	Y	
Part 11h	Annual mass emission limit for H2S [Regulation 2, Rule 5]	N	
Part 11i	Annual mass emission limit for total reduced sulfur [PSD]	Y	
Part 11j	Annual mass emission limit for reduced sulfur compounds [PSD]	Y	
Part 11k	Annual mass emission limit for H2S [PSD]	Y	
Part 12	Approval of source test ports [1-501]	Y	
Part 13	Source test requirements [BACT, Cumulative Increase; Regulation 2, Rule 5; BAAQMD Regulation 6; PSD, 40 CFR 64.6(d)]	Y	
Part 14	Minimum temperature requirement [Offsets, 40 CFR 64]	Y	
Part 15	Temperature measurement requirement [1-521, 40 CFR 64.6(d)]	Y	
Part 16	Temperature excursions [2-1-403]	Y	
Part 17	Recordkeeping for allowable temperature excursions [2-1-403]	Y	
Part 18	Temperatures above the limit [2-1-403]	Y	
Part 19	Submission of source test protocols [[BACT, Cumulative Increase; Regulation 2, Rule 5]	Y	
Part 20a	Annual source test to demonstrate compliance with BAAQMD Regulation 6-1-310 and SIP Regulation 6-310	Y	
Part 20b	Annual source test to demonstrate compliance with BAAQMD Regulation 6-1-311 and SIP Regulation 6-311	Y	
Part 20c	Annual source test to demonstrate compliance with BAAQMD Regulation 6-1-330 and SIP Regulation 6-330	Y	
Part 20d	Annual source test to demonstrate compliance with emission rates in parts 7c, 8a, 8b, 9a, 9b, and 9c of this condition [BACT, PSD, Regulation 2, Rule 5, Cumulative Increase]	Y	
Part 20e	Annual source test to determine emission rates of sulfuric acid mist, total reduced sulfur, and reduced sulfur compounds [PSD, Regulation 2, Rule 5]	Y	
Part 21	SO2 and O2 CEMS [BACT, Cumulative Increase, 40 CFR 60.105a; 40 CFR 64.6(c)(1), (c)(3), and (d); 40 CFR 63.1568(a)(1)(i)]	Y	
Part 22	Flow monitor and CO CEM [BACT, cumulative increase; 40 CFR 64.6(c)(1) and (d)]	Y	
Part 24	Daily throughput records [Cumulative increase]	Y	
Part 25	Determination of compliance [Cumulative increase; Regulation 2,	Y	

IV. Source Specific Applicable Requirements

Table IV – Ub
Source-specific Applicable Requirements
S465, MOLTEN SULFUR PIT; S1010 – U235 SULFUR PLANT UNIT

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	Rule 5; Cumulative Increase, PSD]		
Part 26	Visible emissions check [Basis: BAAQMD Regulations 6-1-301, 2-1-403]	Y	
Part 27	Location and installation of temperature monitor [40 CFR 64.3(b)(1)]	Y	
Part 28	Verification procedures for temperature monitor [40 CFR 64.3(b)(2)]	Y	
Part 29	Quality assurance and control practices for temperature monitor [40 CFR 64.3(b)(3)]	Y	
Part 30	Frequency of temperature measurement, alternate H2S analysis [40 CFR 64.3(b)(4)]	Y	
Part 31	Determination of temperature exceedances [40 CFSR 64.6(c)(2)]	Y	

Table IV – Uc
Source-specific Applicable Requirements
S503, SULFUR STORAGE TANK; S504, SULFUR DEGASSING UNIT; AND S505, SULFUR LOADING RACK

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6, Rule 1	**Particulate Matter, General Requirements (12/5/07)**		
6-1-301	Ringelmann #1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310.3	Particulate Weight Limitation	N	
6-1-311	General Operations	N	
6-1-401	Appearance of Emissions	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/98)**		
6-301	Ringelmann #1 Limitation	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation	Y	

IV. Source Specific Applicable Requirements

Table IV – Uc
Source-specific Applicable Requirements
S503, SULFUR STORAGE TANK; S504, SULFUR DEGASSING UNIT; AND S505, SULFUR LOADING RACK

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Condition 23125			
Part 2	Sulfur throughput at S503 [Cumulative increase]	Y	
Part 4	Control requirement for S503, S504, and S505 [Cumulative increase, 2-1-305]	Y	
Part 24	Throughput records for S503 [Cumulative increase]	Y	

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	**Organic Compounds – Process Vessel Depressurization**		

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
Regulation 8, Rule 10	**(10/03/84)**		
8-10-301	Process Vessel Depressurizing. POC emissions shall be vented through a knock-out pot and then abated in one of the following ways, to as low a vessel pressure as possible, but at least until pressure is reduced to less than 1000 mm Hg:	Y	
8-10-301.1	recovery to the fuel gas system	Y	
8-10-301.2	combustion at a firebox or incinerator	Y	
8-10-301.3	combustion at a flare	Y	
8-10-301.4	containment such that emissions to atmosphere do not occur	Y	
8-10-401	Turnaround Records. The following records shall be kept for each process unit turnaround, and retained for at least 2 years and made available to the District on demand during inspections:	Y	
8-10-401.1	date of depressurization event	Y	
8-10-401.2	approximate vessel hydrocarbon concentration when emissions to atmosphere begin	Y	
8-10-401.3	approximate quantity of POC emissions to atmosphere	Y	
BAAQMD Condition 12121			
Part 1	Daily feed rate limit [Basis: Cumulative Increase]	Y	
Part 2	Daily feed rate records [Basis: Cumulative Increase]	Y	
BAAQMD Condition 20989, Part A	Throughput limits for 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
BAAQMD Regulation 6,	**Particulate Matter, General Requirements (12/05/07)**		

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
Rule 1			
6-1-301	Ringelmann Number 1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310	Particulate Weight Limitation	N	
6-1-311	General Operations (process weight rate limitation)	N	
6-1-401	Appearance of Emissions	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/98)**		
6-301	Ringelmann #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 A	Throughput limits for S380 [Basis: 2-1-234.3]	Y	

IV. Source Specific Applicable Requirements

Table IV – X
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	
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	

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 H	NESHAPS Part 63, Subpart CC
Refinery-wide applicability	**Y**	**Y**	**N**	**N**	**N**	**N**	**Y**	**N**	**N**	**Y**
Specific unit applicability										
U240 Unicracking Unit (S307)	**Y**	**Y**	**Y (GGGa)**	**N**	**Y (VVa)**	**N**	**N**	**N**		**Y**
U244 Reforming Unit (S308)	**Y**	**Y**	**N**	**N**	**N**	**N**	**N**	**N**		**Y**
U248 UNISAR Unit (S309)	**Y**	**Y**	**N**	**N**	**N**	**N**	**N**	**N**		**Y**
U76 Gasoline/Mid Barrel Blending Unit (S318)	**Y**	**N**	**N**	**N**	**Y**	**N**	**N**	**N**		**Y**
Unit 233 (S338)	**Y**	**Y**	**N**	**NA**	**NA**	**NA**	**NA**	**NA**		**NA**
U80 Refined Oil Shipping Unit (S339)	**Y**	**N**	**N**	**N**	**N**	**N**	**N**	**N**		***Y?***
Unit 267 Crude Unit (S350)	**Y**	**Y**	**N**	**N**	**Y**	**N**	**N**	**N**		**Y**
Unit 228 Isomerization Unit (S370)	**Y**	**Y**	**N**	**N**	**Y**	**N**	**N**	**N**		**Y**
U215 Deiso-butanizer (S432)	**Y**	**Y**	**N**	**N**	**N**	**N**	**N**	**N?**		**Y**
U246 High Pressure Reactor Train (S434)	**Y**	**Y**	**Y (GGGa)**	**N**	**Y**	**N**	**N**	**N?**	**Y**	**Y**
Hydrogen Manufacturing Unit	**Y**	**Y**	**Y**	**N**	**Y**	**N**	**N**	**N**		**Y**

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 H	NESHAPS Part 63, Subpart CC
(S437)										
Unit 100 Wastewater plant (S324)	**Y**	**Y**	**N**	**Y**	**N**	**N**	**Y**	**N**		**Y**
Unit 100 Wastewater plant (S195,)	**Y**	**Y**	**N**	**N**	**N**	**N**	**N**	**N**		**Y**
Unit 100 Wastewater plant (S1007)	**Y**	**Y**	**N**	**N**	**N**	**N**	**Y**	**N**		**Y**
Unit U235 Sulfur Recovery Unit (S1010)	**Y**	**Y**	**N**	**N**	**N**	**N**	**N**	**N**	**Y**	**Y** (equipment leaks but not vents)
S296, Flare	**Y**	**Y**	**Y** (GGG and GGGa, closed vent and control device reqs. only)	**N**	Y (VV and VVa, closed vent and control device reqs. only)	**N**	**N**	**N**	**N**	**Y**
S398, Flare	**Y**	**Y**	**Y** (GGG and GGGa, closed vent and control device reqs. only)	**N**	**Y** (VV and VVa, closed vent and control device reqs. only)	**N**	**N**	**N**	**N**	**Y**
Fuel gas recovesry system	**Y**	**Y**	**Y** (GGG and GGGa)	**N**	**Y** (VV and VVa)	**N**	**N**	**N**	**N**	**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
BAAQMD Regulation 8, Rule 18	**Organic Compounds-Equipment Leaks (12/16/15)**		
8-18-100	General/Applicability	N	
8-18-200	Definitions	N	
8-18-301	General Standard	Y	
8-18-302	Valves	N	
8-18-303	Pumps and compressors	N	
8-18-304	Connections	N	
8-18-305	Pressure relief devices	N	
8-18-306	Non-repairable equipment	N	
8-18-307	Liquid Leaks	Y	
8-18-308	Alternate compliance	Y	
8-18-309	Open-Ended Valve or Line	N	
8-18-310	Recurrent Leaks	N	
8-18-311	Mass Emissions	N	
8-18-401	Inspection	N	
8-18-402	Identification	N	
8-18-403	Visual inspection schedule	N	
8-18-404	Alternate inspection schedule	N	
8-18-405	Alternate inspection reduction plan	Y	
8-18-406	Interim Compliance	Y	
8-18-407	Recurrent Leak Schedule	N	
8-18-501	Portable Hydrocarbon Detector	N	
8-18-502	Records	N	
8-18-503	Reports	N	
8-18-503.1	Quarterly Reports to the APCO	N	07/01/16
8-18-503.2	Annual component inventory submittal to the District	N	07/01/16
8-18-503.4	Inspection records of all equipment during a turnaround	N	
8-18-503.5	Submit records of all changes since last submittal	N	Submitted by 01/01/2018
8-18-602	Inspection Procedures	Y	
8-18-604	Determination of Mass Emissions	N	

IV. Source Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
SIP Regulation 8, Rule 18	**Organic Compounds-Equipment Leaks (6/5/03)**		
8-18-100	General/Applicability	Y	
8-18-200	Definitions	Y	
8-18-304	Connections	Y	
8-18-306	Non-repairable equipment	Y	
8-18-402	Identification	Y	
8-18-502	Records	Y	
8-18-604	Determination of Mass Emissions	Y	
BAAQMD Regulation 8, Rule 28	**Episodic Releases From Pressure Relief Devices at Petroleum Refineries and Chemical Plants (12/21/05)**		
8-28-100	General/Applicability	N	
8-28-200	Definitions	N	
8-28-302	**Applies to S307, S308, S318, S432, S434, and S1010** Pressure Relief Devices at New or Modified Sources at Petroleum Refineries	N	
8-28-303	**Applies to other Pressure Relief Devices per Section 8-28-100 except those at S307, S308, S318, S432, S434, and S1010** Pressure Relief Devices at Existing Sources at Petroleum Refineries	N	
8-28-304	Repeat Releases - Pressure Relief Devices at Petroleum Refineries	N	
8-28-401	Reporting at Petroleum Refineries and Chemical Plants	N	
8-28-402	Inspection	N	
8-28-404	Identification	N	
8-28-405	Process Safety Requirements	N	
8-28-406	Monitoring System Demonstration Report	Y	
8-28-407	Process Unit Identification Report	Y	
8-28-502	Records	Y	
8-28-503	Monitoring	Y	
SIP Regulation 8, Rule 28	**Episodic Releases From Pressure Relief Devices at Petroleum Refineries and Chemical Plants (5/24/04)**		
8-28-100	General/Applicability	Y	
8-28-200	Definitions	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
8-28-302	**Applies to S307, S308, S318, S432, S434, and S1010** 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	
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) (06/02/2008); BAAQMD Standards of Performance for New Stationary Sources (12/20/95)**	Y	
60.480	Applicability and designation of affected facility	Y	
60.481	Definitions	Y	
60.482-1	Standards: General	Y	
60.482-2	Standards: Pumps in light liquid service	Y	
60.482-2(a)(1)	Monthly monitoring of each pump, except for 60.482-1(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	Standards: Compressors	Y	
60.482-4	Standards: Pressure Relief Devices in gas/vapor service	Y	
60.482-5	Standards: Sampling connecting systems	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
60.482-6	Standards: Open-ended valves or lines	Y	
60.482-7	Standards: Valves in gas/vapor service and in light liquid service	Y	
60.482-7(a)-(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	
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	Standards: Pumps and valves in heavy liquid service, pressure relief devices in light liquid or heavy liquid service, and connectors	Y	
60.482-9	Standards: Delay in repair	Y	
60.482-9(b)	Repair may be delayed for isolated equipment	Y	
60.482-9(c)	Delay of repair for valves is only allowed under certain circumstances	Y	
60.482-9(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	
	Deleted because repeated		
	(moved up four lines)		
60.482-10	Standards: Closed vent systems and control devices	Y	
60.483-1, 60.483-2, and BAAQMD 8-18-404.1	Alternative standards for valves--allowable percentage of valves leaking and Alternative standards for valves--skip period leak detection and repair 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	Recordkeeping Requirements	Y	
60.487	Reporting Requirements	Y	
NSPS Part 60 Subpart VVa; BAAQMD Regulation 10-52	**Applies to S307 and S434, Cracking Standards of Performance for Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry for Which Construction, Reconstruction, or Modification Commenced After November 7, 2006 (06/02/2008); BAAQMD Standards of Performance for New Stationary Sources (12/20/95) (Applies to equipment in VOC service)**	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
60.480a	Applicability and designation of affected facility	Y	
60.481a	Definitions	Y	
	Equipment: each valve, pump, pressure relief device, sampling connection system, open-ended valve or line, and flange or other connector in VOC service. For the purposes of recordkeeping and reporting only, compressors are considered equipment.	Y	
60.482-1a	Standards: General	Y	
60.482-2a	Standards: Pumps in light liquid service	Y	
60.482-2a(a)(1)	Monthly monitoring of each pump, except for 60.482-1a(c) and (f), 60.482-2(d), (e), or (f)	Y	
60.482-2a(a)(2)	Weekly visual inspection of each pump, except for 60.482-1a(f)	Y	
60.482-2a(b)(1)	Air measurement >2,000 ppm or dripping liquid indicates leak	Y	
60.482-2a(b)(2)	Procedure for liquid drips		
60.482-2a(c)	Pump leak repair period	Y	
60.482-2a(d)	Requirements for Dual-Mechanical seal pump	Y	
60.482-2a(e)	No detectable emission designation: <500 ppm	Y	
60.482-2a(f)	Requirements for Closed Vent Systems	Y	
60.482-2a(g)	Unsafe to monitor pumps	Y	
60.482-3a	Standards: Compressors	Y	
60.482-4a	Standards: Pressure Relief Devices in gas/vapor service	Y	
60.482-5a	Standards: Sampling connecting systems	Y	
60.482-6a	Standards: Open-ended valves or lines	Y	
60.482-7a	Standards: Valves in gas/vapor service and in light liquid service	Y	
60.482-7a(a)(1)	Monthly monitoring of valves	Y	
60.482-7a(b)	Leak standard > 500 ppm	Y	
60.482-7a(c)	Reduction in monitoring frequency	Y	
60.482-7a(d)	Valve leak repair period	Y	
60.482-7a(e)	Methods for first attempts or minimizing valve leaks	Y	
60.482-7a(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	
60.482-8a	Standards: Pumps, valves, and connectors in heavy liquid service and pressure relief devices in light liquid or heavy liquid service (per 40 CFR 60, Subpart GGGa, Section 60.593a(g), standard applies to all connectors, not just those in heavy liquid service)	Y	
60.482-9a	Standards: Delay of repair	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
60.483-1a	Alternative standards for valves--allowable percentage of valves leaking (must notify EPA administrator and BAAQMD)	Y	
60.483-2a	Alternative standards for valves--skip period leak detection and repair (must notify EPA administrator and BAAQMD)	Y	
60.485a	Test Methods and Procedures	Y	
60.486a	Recordkeeping Requirements	Y	
60.487a	Reporting Requirements	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) (06/02/2008); 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	
NSPS Part 60 Subpart GGGa; BAAQMD Regulation 10-59 (Applies to S307 and S434, Cracking Units)	**Standards of Performance for Equipment Leaks of VOC in Petroleum Refineries for Which Construction, Reconstruction, or Modification Commenced After November 7, 2006 (06/02/2008); BAAQMD Standards of Performance for New Stationary Sources (4/19/89)**		
60.590a	Applicability	Y	
60.591a	Definitions	Y	
60.592a	Subject to provisions of Part 60, Subpart VVa	Y	
60.593a	Exceptions	Y	
60.593a(a)	Compliance with exceptions	Y	
60.593a(b)(1)	Compressors in hydrogen service	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
60.593a(g)	Connectors in gas/vapor or light liquid service exempt if owner/operator complies with 40 CFR 60.482-8a for all connectors	Y	
BAAQMD Regulation 10-59	Incorporates by reference 40 CFR 60, Subpart GGG	Y	
NSPS, Subpart QQQ, applies to the S324 Oil-water separator unit.			
40 CFR 60, Subpart QQQ; BAAQMD Regulation 10-69	**Standards of Performance for VOC Emission From Petroleum Refinery Wastewater Systems (10/17/00); 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 61, Subpart FF; BAAQMD Regulation 11, Rule 12	**National Emission Standard for Benzene Waste Operations (12/4/03); BAAQMD National Emission Standard for Benzene Emissions from Benzene Transfer Operations and Benzene Waste Operations (7/18/90)**		
	Subpart FF citations below are applicable only to equipment whose benzene quantity for 61.342(e)(2) is calculated per 61.355(k)(2) as controlled.		
40 CFR 61.345(a)(1)(i)	Containers: no detectable emissions	Y	
40 CFR 61.345(b)	Containers: Visual inspection	Y	
40 CFR 61.345(c)	Containers: Repair within 15 days	Y	
40 CFR 61.346(a)(1)(i)(A)	Individual drain systems: no detectable emissions	Y	
40 CFR 61.346(a)(2)	Individual drain systems: Visual inspection	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
40 CFR 61.346(a)(3)	Individual drain systems: Repair within 15 days	Y	
40 CFR 61.347(a)(1)(i)	Oil-water separators: no detectable emissions	Y	
40 CFR 61.347(b)	Oil-water separators: Visual inspection	Y	
40 CFR 61.347(c)	Oil-water separators: Repair within 15 days	Y	
61.355(h)	Leak inspection procedures	Y	
61.356(g)	Recordkeeping Requirements: Visual inspection per 61.343 through 61.347	Y	
61.356(h)	Recordkeeping Requirements: No detectable emissions tests per 61.343 through 61.347, and 61.349	Y	
40 CFR 63, Subpart CC	**National Emission Standards for Hazardous Air Pollutants from Petroleum Refineries (12/01/15)**	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)		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	
63.655(d)	Record keeping and reporting	Y	
BAAQMD Condition 21099	**APPLIES 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	

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
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 #23725	**APPLIES TO COMPONENTS INSTALLED FOR CFEP PROJECT**		
Part 1	Fugitive Equipment	Y	
Part 1a	Specifications for valves in light hydrocarbon service [BACT]	Y	
Part 1b	100 ppm leak standard for valves [BACT, Regulation 8, Rule 18]	Y	
Part 1c	Specification for flanges and connectors [BACT]	Y	
Part 1d	Specifications for compressors [BACT]	Y	
Part 1e	100 ppm leak standard for pumps and compressors [BACT]	Y	
Part 1f	Specifications for pumps [BACT]	Y	
Part 1g	Identification of pumps and compressors with unique permanent identification code [Cumulative increase, BACT]	Y	
Part 2	Component count every 180 days after startup until completion [Cumulative increase, Offsets, Regulation 2, Rule 5]	Y	
Part 3	Calculations of CFEP fugitive emissions [Cumulative increase, BACT, Offsets]	Y	
Part 4	Inspection Frequency	Y	

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 (10/18/06) EXEMPT**		
8-5-117	Limited Exemption, Low Vapor Pressure	N	
SIP Regulation 8, Rule 5	**Organic Compounds, Storage of Organic Liquids (06/05/03) EXEMPT**		
8-5-117	Exemption, Low Vapor Pressure	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
BAAQMD Regulation 8, Rule 8	**Organic Compounds, Wastewater (Oil-Water Separators) (9/15/04) 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	N	
8-8-303	Standards: Gauging and Sampling Devices	Y	
8-8-304	Standards: Sludge-dewatering Unit	N	
8-8-504	Monitoring and Records: Portable Hydrocarbon Detector	Y	
8-8-602	Manual of Procedures: Determination of Emissions	N	
8-8-603	Manual of Procedures: Inspection Procedures	N	
SIP Regulation 8, Rule 8	**Wastewater (Oil-Water) Separator (8/29/94)**		
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	
8-8-304	Standards: Sludge-dewatering Unit	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 (10/15/2003) 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(b)	Applicability and Designation of Affected Facility – Exemption for low vapor pressure; NSPS Kb does not apply to vessels with capacity > 151 cu m and TVP < 3.5 kPa or to vessels with capacity >= 75 cu m and <= 151 cu m and TVP < 15.0 kPa	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	

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
40 CFR 63, Subpart CC	**National Emission Standards for Hazardous Air Pollutants for Petroleum Refining (12/01/15) 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	
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 < 10,000 Gallons
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 (10/18/06) EXEMPT**		
8-5-117	Limited Exemption, Low Vapor Pressure	N	
SIP Regulation 8, Rule 5	**Organic Compounds, Storage of Organic Liquids (06/05/03) EXEMPT**		

IV. Source Specific Applicable Requirements

Table IV – BB.2
Source-Specific Applicable Requirements
LOW VAPOR PRESSURE PERMITTED TANKS < 10,000 GALLONS
S194 (TANK 306)

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 limit for source S194 [Basis: 2-1-234.3]	N	

Table IV – BB.3
Source-Specific Applicable Requirements
LOW VAPOR PRESSURE PERMITTED TANKS
VENTED TO FUEL GAS
S173 (TANK 280), S174, (TANK 281),

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Tanks S173 and S174 will be subject to the requirements in Table IV-BB.19 until they are controlled by A7, Odor Abatement System. S173 and S174 will be subject to the requirements in Table IV- BB.3 when controlled by A7.			
BAAQMD Regulation 8, Rule 5	**Organic Compounds, Storage of Organic Liquids (10/18/06) EXEMPT**		
8-5-117	Limited Exemption, Low Vapor Pressure	Y	
SIP Regulation 8, Rule 5	**Organic Compounds, Storage of Organic Liquids (06/05/03) EXEMPT**		
8-5-117	Exemption, Low Vapor Pressure	Y	
40 CFR 63, Subpart CC	**National Emission Standards for Hazardous Air Pollutants for Petroleum Refining (12/01/15) REQUIREMENTS FOR EMISSION POINTS ROUTED TO FUEL GAS**		
63.640(c)(2)	Applies to S173 and S174: Applicability and Designation of Storage Vessels	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)(5)	Exemption for emission points routed to fuel gas system	Y	
BAAQMD Condition 20773			

IV. Source Specific Applicable Requirements

Table IV – BB.3
Source-Specific Applicable Requirements
LOW VAPOR PRESSURE PERMITTED TANKS
VENTED TO FUEL GAS
S173 (TANK 280), S174, (TANK 281),

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	
BAAQMD Condition 20989, Part A	Throughput limits for sources [Basis: 2-1-234.3]	N	
BAAQMD Condition 23724	Applies to S173 and S174		
Part 1a	Requirement for abatement by A7, Odor Abatement System [2-1-403]	Y	When blanketing is required to preserve product or feed
Part 2	Requirement for utility-grade natural gas blanket [2-1-403]	Y	
Part 3	Requirement for pressure monitoring device for S173 and S174. [2-1-403]	Y	
Part 4	After pressure monitoring devices are installed, requirement to operate below tank set pressure [2-1-403]	Y	
Part 4a	Tank pressures for tanks subject to Regulation 8, Rule 5 [Regulation 8, Rule 5]	Y	
Part 5	Pressure relief valve setting at or above nominal set pressure	Y	
Part 6	Corrective Plan	Y	
Part 7	Pressure monitoring records [2-1-403]	Y	
Part 8	Initial date for reporting pressures in excess of nominal set pressure	Y	
Part 9	Compliance with nuisance and odor regulations [1-301, 7-301, 7-302]	Y	

IV. Source Specific Applicable Requirements

Table IV – BB.4
Source-Specific Applicable Requirements
NSPS Kb Low Vapor Pressure Permitted Fixed Roof Wastewater Sludge Tanks
S195 (Tank 501),

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 (10/18/06) EXEMPT**		
8-5-117	Limited Exemption, Low Vapor Pressure	N	
SIP Regulation 8, Rule 5	**Organic Compounds, Storage of Organic Liquids (06/05/03) EXEMPT**		
8-5-117	Exemption, Low Vapor Pressure	Y	
BAAQMD Regulation 8, Rule 8	**Organic Compounds, Wastewater (Oil-Water Separators) (9/15/04) 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	N	
8-8-303	Standards: Gauging and Sampling Devices	Y	
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	N	
8-8-603	Manual of Procedures: Inspection Procedures	N	
SIP Regulation 8, Rule 8	**Wastewater (Oil-Water) Separator (8/29/94)**		
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	
8-8-602	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 (10/15/03)**		
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(b)	Applicability and Designation of Affected Facility – Exemption for low vapor pressure; NSPS Kb does not apply to vessels with capacity > 151 cu m and TVP < 3.5 kPa or to vessels with capacity >= 75 cu m and <= 151 cu m and TVP < 15.0 kPa	Y	
40 CFR 63, Subpart CC	**National Emission Standards for Hazardous Air Pollutants for Petroleum Refining (12/01/15) REQUIREMENTS FOR GROUP 2 RECORDKEEPING ONLY**		
The tanks in this table will be subject to the provisions of 40 CFR 63.646 and the referenced requirements of 40 CFR 63, subpart G until compliance with 40 CFR 63.660 and the referenced requirements contained in 40 CFR 63, subpart WW is demonstrated, as specified in 40 CFR 63.640(h), 63.660, and 63.1063.			

IV. Source Specific Applicable Requirements

Table IV – BB.4
Source-Specific Applicable Requirements
NSPS Kb Low Vapor Pressure Permitted Fixed Roof Wastewater Sludge Tanks
S195 (Tank 501),

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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	
63.655(h)(6)	Reporting and Recordkeeping Requirements-Other reports-Determination of Applicability	Y	
63.655(h)(6)(ii)	Reporting and Recordkeeping Requirements-Other reports-Determination of Applicability	Y	
63.655(i)(1)	Reporting and Recordkeeping Requirements-Recordkeeping for storage vessels – Keep records specified in 40 CFR 63.123	Y	
63.655(i)(1)(iv)	Reporting and Recordkeeping Requirements-Recordkeeping for storage vessels – Data and assumptions used to determine Group 2 classification	Y	
63.655(i)(1)(vi)	Reporting and Recordkeeping Requirements-Recordkeeping for storage vessels – Data and assumptions used to determine Group 2 classification	Y	
63.655(i)(6)	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 S195 [Basis: 2-1-234.3]	Y	

Table IV – BB.5
Source-Specific Applicable Requirements
NSPS Kb Zero gap External Floating Roof Tanks
S439 (Tank 109), S440 (Tank 110), S442 (Tank 112), S444 (Tank 243),

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 (10/18/06) REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS**		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	N	

IV. Source Specific Applicable Requirements

Table IV – BB.5
Source-Specific Applicable Requirements
NSPS Kb Zero gap External Floating Roof Tanks
S439 (Tank 109), S440 (Tank 110), S442 (Tank 112), S444 (Tank 243),

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service, Notification	N	
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service; Tank in compliance at time of notification	N	
8-5-111.3	Limited Exemption, Tank Removal From and Return to Service; Filling, emptying, refilling floating roof tanks	N	
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service; Minimize emissions and, if required, degas per 8-5-328	N	
8-5-111.6	Limited Exemption, Tank Removal From and Return to Service; Self report if out of compliance during exemption period	N	
8-5-112	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation	N	
8-5-112.1	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; Notification	N	
8-5-112.2	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; Tank in compliance at time of notification	N	
8-5-112.3	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; No product movement, Minimize emissions	N	
8-5-112.4	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; Not to exceed 7 days	N	
8-5-112.5	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; Self report if out of compliance during exemption period	N	
8-5-112.6	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; Keep records for each exemption	N	
8-5-119	Limited Exemption, Repair Period for Enhanced Monitoring Program	N	
8-5-301	Storage Tank Control Requirements	N	
8-5-304	Requirements for External Floating Roof Tanks	N	
8-5-304.1	Requirements for External Floating Roofs; Tank fittings	Y	
8-5-304.2	Requirements for External Floating Roofs; Primary seal (8-5-321)	Y	
8-5-304.3	Requirements for External Floating Roofs; Secondary seal (8-5-322)	Y	
8-5-304.4	Requirements for External Floating Roofs; Floating roof	N	
8-5-304.5	Requirements for External Floating Roofs; Tank shell	N	
8-5-304.6	Requirements for External Floating Roofs; Pontoons – no leaks	N	
8-5-304.6.1	Requirements for External Floating Roofs; Pontoons – make gas tight if leaking	N	
8-5-304.6.2	Requirements for External Floating Roofs; Pontoons-repair all leaks at next removal from service	N	
8-5-320	Floating Roof Tank Fitting Requirements	N	
8-5-320.2	Floating Roof Tank Fitting Requirements; Projection below liquid surface	N	
8-5-320.3	Floating Roof Tank Fitting Requirements; Gasketed covers, seals, lids	N	

IV. Source Specific Applicable Requirements

Table IV – BB.5
Source-Specific Applicable Requirements
NSPS Kb Zero gap External Floating Roof Tanks
S439 (Tank 109), S440 (Tank 110), S442 (Tank 112), S444 (Tank 243),

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-5-320.3.1	Floating Roof Tank Fitting Requirements; Gasketed covers, seals, lids - Gap requirements	Y	
8-5-320.4	Floating Roof Tank Fitting Requirements; Solid sampling or gauging wells--	N	
8-5-320.4.1	Floating Roof Tank Fitting Requirements; Solid sampling or gauging wells--projection below liquid surface	Y	
8-5-320.4.2	Floating Roof Tank Fitting Requirements; Solid sampling or gauging wells--cover, seal, or lid	Y	
8-5-320.4.3	Floating Roof Tank Fitting Requirements; Solid sampling or gauging wells-- total secondary seal gap must include well gap	Y	
8-5-320.6	Floating Roof Tank Fitting Requirements; emergency roof drains must be 90% covered	N	
8-5-321	Primary seal requirements	N	
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	N	
8-5-321.3.1	Primary seal requirements; Metallic-shoe-type seal requirements - geometry of shoe	N	
8-5-321.3.2	Primary seal requirements; Metallic-shoe-type seal requirements - welded tanks gap requirements	N	
8-5-322	Secondary seal requirements	N	
8-5-322.1	Secondary seal requirements; No holes, tears, or other openings	N	
8-5-322.2	Secondary seal requirements; Insertion of probes	N	
8-5-322.5	Secondary seal requirements; Gap requirements for welded external floating roof tanks with seal installed after September 4, 1985	N	
8-5-322.6	Secondary seal requirements; extent of seal	N	
8-5-328	Tank degassing requirements	N	
8-5-328.1	Tank degassing requirements; Tanks > 75 cubic meters	N	
8-5-328.2	Tank degassing requirements; Ozone Excess Day Prohibition	N	
8-5-328.3	Tank degassing requirements; BAAQMD notification required	N	
8-5-401	Inspection Requirements for External Floating Roof Tanks	N	
8-5-401.1	Inspection Requirements for External Floating Roof Tanks; Primary and Secondary Seal Inspections	N	
8-5-401.2	Inspection Requirements for External Floating Roof Tanks; Tank Fittings Inspections	N	
8-5-404	Inspection, Abatement Efficiency Determination, and Source Test Reports	N	
8-5-411	Enhanced Monitoring Program (Optional)	N	
8-5-411.1	Enhanced Monitoring Program (Optional); Notify BAAQMD of tanks selected for enhanced monitoring program	N	
8-5-411.2	Enhanced Monitoring Program (Optional); Criteria for operating enhanced monitoring program	N	

IV. Source Specific Applicable Requirements

Table IV – BB.5
Source-Specific Applicable Requirements
NSPS Kb Zero gap External Floating Roof Tanks
S439 (Tank 109), S440 (Tank 110), S442 (Tank 112), S444 (Tank 243),

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-5-411.3	Enhanced Monitoring Program (Optional); Performance requirements	N	
8-5-412	Monitoring of Leaking Pontoons	N	
8-5-501	Records	N	
8-5-501.1	Records; Type and amount of liquid, type of blanket gas, TVP- Retain 24 months	N	
8-5-501.2	Records; Internal and External Floating Roof Tanks, Seal Replacement Records- Retain 10 years	N	
8-5-501.3	Records; Retention	N	
8-5-602	Analysis of Samples, True Vapor Pressure	Y	
8-5-604	Determination of Applicability Based on True Vapor Pressure	Y	
8-5-605	Measurement of Leak Concentration and Residual Concentrations	N	
8-5-605.1	Measurement of Leak Concentration and Residual Concentrations; EPA method 21 Instruments	N	
8-5-605.2	Measurement of Leak Concentration and Residual Concentrations; Method 21 and tank degassing residual organic concentration measurement method	N	
SIP Regulation 8, Rule 5	**Storage of Organic Liquids (06/05/2003)**		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO	Y	
8-5-111.1.1	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO; 3 day prior notification	Y	
8-5-111.1.2	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO; Telephone notification	Y	
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service; Compliance before notification	Y	
8-5-111.3	Limited Exemption, Tank Removal From and Return to Service; Floating roof tanks - continuous and quick filling, emptying and refilling	Y	
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service; Minimization of emissions	Y	
8-5-111.6	Limited Exemption, Tank Removal From and Return to Service; Written notice of completion not required	Y	
8-5-111.7	Limited Exemption, Tank Removal From and Return to Service; Compliance with Section 8-5-328	Y	
8-5-112	Limited Exemption, Tanks in Operation	Y	
8-5-112.1	Limited Exemption, Tanks in Operation; Notice to the APCO	Y	
8-5-112.1.1	Limited Exemption, Tanks in Operation; Notice to the APCO; 3 day prior notification	Y	
8-5-112.1.2	Limited Exemption, Tanks in Operation; Notice to the APCO; Telephone notification	Y	

IV. Source Specific Applicable Requirements

Table IV – BB.5
Source-Specific Applicable Requirements
NSPS Kb Zero gap External Floating Roof Tanks
S439 (Tank 109), S440 (Tank 110), S442 (Tank 112), S444 (Tank 243),

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-5-112.2	Limited Exemption, Tanks in Operation; Compliance and certification before commencement of work per 8-5-404	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	
8-5-304.4	Requirements for External Floating Roofs; Floating roof requirements	Y	
8-5-320	Tank fitting requirements – Floating roof tanks	Y	
8-5-320.2	Tank fitting requirements – Floating roof tanks, Projection below liquid surface	Y	
8-5-320.3	Tank fitting requirements – Floating roof tanks, Gasketed covers, seals, lids –	Y	
8-5-320.4	Tank Fitting Requirements; Solid sampling or gauging well requirements in floating roof tanks	Y	
8-5-320.6	Tank Fitting Requirements; Emergency roof drain	Y	
8-5-321	Primary seal requirements	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	

IV. Source Specific Applicable Requirements

Table IV – BB.5
Source-Specific Applicable Requirements
NSPS Kb Zero gap External Floating Roof Tanks
S439 (Tank 109), S440 (Tank 110), S442 (Tank 112), S444 (Tank 243),

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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	
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 (10/15/03)** **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	

IV. Source Specific Applicable Requirements

Table IV – BB.5
Source-Specific Applicable Requirements
NSPS Kb Zero gap External Floating Roof Tanks
S439 (Tank 109), S440 (Tank 110), S442 (Tank 112), S444 (Tank 243),

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

IV. Source Specific Applicable Requirements

Table IV – BB.5
Source-Specific Applicable Requirements
NSPS Kb Zero gap External Floating Roof Tanks
S439 (Tank 109), S440 (Tank 110), S442 (Tank 112), S444 (Tank 243),

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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 (12/01/15) REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS ALSO SUBJECT TO NSPS, Subpart Kb**		
63.640(c)(2)	Applicability and Designation of Storage Vessels	Y	
63.640(n)(2)	Applicability and Designation of Affected Source Overlap for Storage Vessels-Existing Group 1 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	
63.640(n)(8)(vii)	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	Crude oil or petroleum liquids with a vapor pressure of 3.0 psia or less [BACT]	Y	
Part 2	Annual throughput limit [Basis: Cumulative Increase]	Y	
Part 3	Equipment requirements for tank openings [Basis: BACT, Cumulative Increase]	Y	
Part 4	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	

IV. Source Specific Applicable Requirements

Table IV – BB.5
Source-Specific Applicable Requirements
NSPS Kb Zero gap External Floating Roof Tanks
S439 (Tank 109), S440 (Tank 110), S442 (Tank 112), S444 (Tank 243),

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 2	Gas oil and crude oil vapor pressure requirements [Basis: Cumulative Increase]	Y	
Part 3	Requirements for tank openings [Basis: Cumulative Increase]	Y	
Part 4	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	

Table IV – BB.6
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 (10/18/06) REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS**		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	N	
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service, Notification	N	
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service; Tank in compliance at time of notification	N	
8-5-111.3	Limited Exemption, Tank Removal From and Return to Service; Filling, emptying, refilling floating roof tanks	N	
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service; Minimize emissions and, if required, degas per 8-5-328	N	
8-5-111.6	Limited Exemption, Tank Removal From and Return to Service; Self report if out of compliance during exemption period	N	
8-5-112	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation	N	
8-5-112.1	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; Notification	N	
8-5-112.2	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; Tank in compliance at time of notification	N	

IV. Source Specific Applicable Requirements

Table IV – BB.6
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
8-5-112.3	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; No product movement, Minimize emissions	N	
8-5-112.4	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; Not to exceed 7 days	N	
8-5-112.5	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; Self report if out of compliance during exemption period	N	
8-5-112.6	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; Keep records for each exemption	N	
8-5-119	Limited Exemption, Repair Period for Enhanced Monitoring Program	N	
8-5-301	Storage Tank Control Requirements	N	
8-5-304	Requirements for External Floating Roof Tanks	N	
8-5-304.1	Requirements for External Floating Roofs; Tank fittings	Y	
8-5-304.2	Requirements for External Floating Roofs; Primary seal (8-5-321)	Y	
8-5-304.3	Requirements for External Floating Roofs; Secondary seal (8-5-322)	Y	
8-5-304.4	Requirements for External Floating Roofs; Floating roof	N	
8-5-304.5	Requirements for External Floating Roofs; Tank shell	N	
8-5-304.6	Requirements for External Floating Roofs; Pontoons – no leaks	N	
8-5-304.6.1	Requirements for External Floating Roofs; Pontoons – make gas tight if leaking	N	
8-5-304.6.2	Requirements for External Floating Roofs; Pontoons-repair all leaks at next removal from service	N	
8-5-320	Floating Roof Tank Fitting Requirements	N	
8-5-320.2	Floating Roof Tank Fitting Requirements; Projection below liquid surface	N	
8-5-320.3	Floating Roof Tank Fitting Requirements; Gasketed covers, seals, lids	N	
8-5-320.3.1	Floating Roof Tank Fitting Requirements; Gasketed covers, seals, lids - Gap requirements	Y	
8-5-320.4	Floating Roof Tank Fitting Requirements; Solid sampling or gauging wells--	N	
8-5-320.4.1	Floating Roof Tank Fitting Requirements; Solid sampling or gauging wells--projection below liquid surface	Y	
8-5-320.4.2	Floating Roof Tank Fitting Requirements; Solid sampling or gauging wells--cover, seal, or lid	Y	
8-5-320.4.3	Floating Roof Tank Fitting Requirements; Solid sampling or gauging wells-- total secondary seal gap must include well gap	Y	
8-5-320.6	Floating Roof Tank Fitting Requirements; emergency roof drains must be 90% covered	N	
8-5-321	Primary seal requirements	N	
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	

IV. Source Specific Applicable Requirements

Table IV – BB.6
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
8-5-321.3	Primary seal requirements; Metallic-shoe-type seal requirements	N	
8-5-321.3.1	Primary seal requirements; Metallic-shoe-type seal requirements - geometry of shoe	N	
8-5-321.3.2	Primary seal requirements; Metallic-shoe-type seal requirements - welded tanks gap requirements	N	
8-5-322	Secondary seal requirements	N	
8-5-322.1	Secondary seal requirements; No holes, tears, or other openings	N	
8-5-322.2	Secondary seal requirements; Insertion of probes	N	
8-5-322.5	Secondary seal requirements; Gap requirements for welded external floating roof tanks with seal installed after September 4, 1985	N	
8-5-322.6	Secondary seal requirements; extent of seal	N	
8-5-328	Tank degassing requirements	N	
8-5-328.1	Tank degassing requirements; Tanks > 75 cubic meters	N	
8-5-328.2	Tank degassing requirements; Ozone Excess Day Prohibition	N	
8-5-328.3	Tank degassing requirements; BAAQMD notification required	N	
8-5-401	Inspection Requirements for External Floating Roof Tanks	N	
8-5-401.1	Inspection Requirements for External Floating Roof Tanks; Primary and Secondary Seal Inspections	N	
8-5-401.2	Inspection Requirements for External Floating Roof Tanks; Tank Fittings Inspections	N	
8-5-403.1	Inspection Requirements for Pressure Relief Devices; Pressure vacuum valves gas tight standards in 8-5-303 (applies only to S106)	N	
8-5-404	Inspection, Abatement Efficiency Determination, and Source Test Reports	N	
8-5-411	Enhanced Monitoring Program (Optional)	N	
8-5-411.1	Enhanced Monitoring Program (Optional); Notify BAAQMD of tanks selected for enhanced monitoring program	N	
8-5-411.2	Enhanced Monitoring Program (Optional); Criteria for operating enhanced monitoring program	N	
8-5-411.3	Enhanced Monitoring Program (Optional); Performance requirements	N	
8-5-412	Monitoring of Leaking Pontoons	N	
8-5-501	Records	N	
8-5-501.1	Records; Type and amount of liquid, type of blanket gas, TVP- Retain 24 months	N	
8-5-501.2	Records; Internal and External Floating Roof Tanks, Seal Replacement Records- Retain 10 years	N	
8-5-501.3	Records; Retention	N	
8-5-602	Analysis of Samples, True Vapor Pressure	Y	
8-5-604	Determination of Applicability Based on True Vapor Pressure	Y	
8-5-605	Measurement of Leak Concentration and Residual Concentrations	N	
8-5-605.1	Measurement of Leak Concentration and Residual Concentrations; EPA method 21 Instruments	N	

IV. Source Specific Applicable Requirements

Table IV – BB.6
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
8-5-605.2	Measurement of Leak Concentration and Residual Concentrations; Method 21 and tank degassing residual organic concentration measurement method	N	
SIP Regulation 8, Rule 5	**Storage of Organic Liquids (06/05/2003)**		
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 per 8-5-404	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	
8-5-304.4	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.6
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
8-5-320.3	Tank fitting requirements – Floating roof tanks, Gasketed covers, seals, lids –	Y	
8-5-320.4	Tank Fitting Requirements; Solid sampling or gauging well requirements in floating roof tanks	Y	
8-5-320.6	Tank Fitting Requirements; Emergency roof drain	Y	
8-5-321	Primary seal requirements	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	
8-5-605	Pressure Vacuum Valve Gas Tight Determination (applies only to S106)	Y	
BAAQMD Regulation 8, Rule 8	**Organic Compounds, Wastewater (Oil-Water Separators) (9/15/04) REQUIREMENTS FOR WASTEWATER SEPARATORS**		
8-8-302	Standards: Wastewater Separators Larger than or Equal to 18.9 Liters per second (300 gal per min)	N	

IV. Source Specific Applicable Requirements

Table IV – BB.6
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
8-8-302.2	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	N	
SIP Regulation 8, Rule 8	**Wastewater (Oil-Water) Separator (8/29/94)**		
8-8-302	Standards: Wastewater Separators Larger than or Equal to 18.9 Liters per second (300 gal per min)	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 (10/15/03)** **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	

IV. Source Specific Applicable Requirements

Table IV – BB.6
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
60.112b(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	
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-- or seal defect repairs	Y	
60.113b(b)(6)(ii)	Testing and Procedures; External floating roof notification prior to filling	Y	

IV. Source Specific Applicable Requirements

Table IV – BB.6
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
60.115b	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 (10/17/2000) REQUIREMENTS FOR STORAGE VESSELS ALSO SUBJECT TO NSPS, Subpart Kb**		
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(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	

IV. Source Specific Applicable Requirements

Table IV – BB.6
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
40 CFR 61 Subpart FF	**National Emission Standards for Benzene Waste Operations (12/04/2003)**		
40 CFR 61.351(a)(2)	Alternative Standards for Tanks; External floating roof meeting the requirements of 40 CFR 60.112b(a)(2)	Y	
40 CFR 61.351(b)	Alternative Standards for Tanks; Tanks subject to 61.351 and exempt from 61.343	Y	
40 CFR 61.356(k)	Recordkeeping Requirements: Comply with recordkeeping requirements of 40 CFR 60.115b	Y	
40 CFR 61.357(f)	Reporting Requirements: : Comply with reporting requirements of 40 CFR 60.115b		
40 CFR 63, Subpart CC	**National Emission Standards for Hazardous Pollutants for Petroleum Refining (-12/01/15) 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	
63.655(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	

Table IV – BB.7A
Source-Specific Applicable Requirements
NSPS Kb Zero-Gap Internal Floating Roof Tank
but with NSPS Kb and BAAQMD 8-5 Flexibility
S448 (Tank 1007)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce-able (Y/N)	Future Effective Date
S448 will be subject to the requirements of Table IV-BB.7A when storing materials subject to NSPS Kb and BAAQMD 8, Rule 5. S448 will be subject to the requirements of Table IV-BB.7B when storing materials exempt from NSPS Kb and BAAAMD 8, Rule 5.			
BAAQMD Regulation 8, Rule 5	**Organic Compounds, Storage of Organic Liquids (10/18/06) REQUIREMENTS FOR INTERNAL FLOATING ROOF TANKS**		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	N	

IV. Source Specific Applicable Requirements

Table IV – BB.7A
Source-Specific Applicable Requirements
NSPS Kb Zero-Gap Internal Floating Roof Tank
but with NSPS Kb and BAAQMD 8-5 Flexibility
S448 (Tank 1007)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce-able (Y/N)	Future Effective Date
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service, Notification	N	
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service; Tank in compliance at time of notification	N	
8-5-111.3	Limited Exemption, Tank Removal From and Return to Service; Filling, emptying, refilling floating roof tanks	N	
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service; Minimize emissions and, if required, degas per 8-5-328	N	
8-5-111.6	Limited Exemption, Tank Removal From and Return to Service; Self report if out of compliance during exemption period	N	
8-5-112	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation	N	
8-5-112.1	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; Notification	N	
8-5-112.2	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; Tank in compliance at time of notification	N	
8-5-112.3	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; No product movement, Minimize emissions	N	
8-5-112.4	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; Not to exceed 7 days	N	
8-5-112.5	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; Self report if out of compliance during exemption period	N	
8-5-112.6	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; Keep records for each exemption	N	
8-5-119	Limited Exemption, Repair Period for Enhanced Monitoring Program	N	
8-5-301	Storage Tank Control Requirements	N	
8-5-305	Requirements for Internal Floating Roof Tanks	N	
8-5-305.2	Requirements for Internal Floating roof tanks; Seals installed after 2/1/1993	Y	
8-5-305.3	Requirements for Internal Floating roof tanks; Viewports in fixed roof tank; not required if dome roof has translucent panels	Y	
8-5-305.4	Requirements for Internal Floating roof tanks; Tank fitting requirements	Y	
8-5-305.5	Requirements for Internal Floating roof tanks; Floating roof requirements	N	
8-5-305.6	Requirements for Internal Floating roof tanks; Tank shell in good operating condition	N	
8-5-320	Floating Roof Tank Fitting Requirements	N	
8-5-320.2	Floating Roof Tank Fitting Requirements; Projection below liquid surface	N	

IV. Source Specific Applicable Requirements

Table IV – BB.7A
Source-Specific Applicable Requirements
NSPS Kb Zero-Gap Internal Floating Roof Tank
but with NSPS Kb and BAAQMD 8-5 Flexibility
S448 (Tank 1007)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce-able (Y/N)	Future Effective Date
8-5-320.3	Floating Roof Tank Fitting Requirements; Gasketed covers, seals, lids	N	
8-5-320.3.1	Floating Roof Tank Fitting Requirements; Gasketed covers, seals, lids - Gap requirements	Y	
8-5-320.3.2	Floatinf Roof Tank Fitting Requirements; Gasketed covers, seals, lids – Inaccessible openings on internal floating roof tanks	Y	
8-5-320.4	Floating Roof Tank Fitting Requirements; Solid sampling or gauging wells--	N	
8-5-320.4.1	Floating Roof Tank Fitting Requirements; Solid sampling or gauging wells--projection below liquid surface	Y	
8-5-320.4.2	Floating Roof Tank Fitting Requirements; Solid sampling or gauging wells--cover, seal, or lid	Y	
8-5-320.4.3	Floating Roof Tank Fitting Requirements; Solid sampling or gauging wells-- total secondary seal gap must include well gap	Y	
8-5-320.6	Floating Roof Tank Fitting Requirements; emergency roof drains must be 90% covered	N	
8-5-321	Primary seal requirements	N	
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	N	
8-5-321.3.1	Primary seal requirements; Metallic-shoe-type seal requirements - geometry of shoe	N	
8-5-321.3.2	Primary seal requirements; Metallic-shoe-type seal requirements - welded tanks gap requirements	N	
8-5-322	Secondary seal requirements	N	
8-5-322.1	Secondary seal requirements; No holes, tears, or other openings	N	
8-5-322.2	Secondary seal requirements; Insertion of probes	N	
8-5-322.5	Secondary seal requirements; Gap requirements for welded external floating roof tanks with seal installed after September 4, 1985	N	
8-5-322.6	Secondary seal requirements; extent of seal	N	
8-5-328	Tank degassing requirements	N	
8-5-328.1	Tank degassing requirements; Tanks > 75 cubic meters	N	
8-5-328.2	Tank degassing requirements; Ozone Excess Day Prohibition	N	
8-5-328.3	Tank degassing requirements; BAAQMD notification required	N	
8-5-402	Inspection Requirements for Internal Floating Roof Tanks	N	
8-5-402.1	Inspection Requirements for Internal Floating Roof Tanks; Primary and Secondary Seal Inspections	Y	
8-5-402.2	Inspection Requirements for Internal Floating Roof Tanks; Visual Inspection of Outer Most Seal	N	
8-5-402.3	Inspection Requirements for Internal Floating Roof Tanks; Tank Fitting Inspection	N	

IV. Source Specific Applicable Requirements

Table IV – BB.7A
Source-Specific Applicable Requirements
NSPS Kb Zero-Gap Internal Floating Roof Tank
but with NSPS Kb and BAAQMD 8-5 Flexibility
S448 (Tank 1007)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce-able (Y/N)	Future Effective Date
8-5-404	Inspection, Abatement Efficiency Determination, and Source Test Reports	N	
8-5-411	Enhanced Monitoring Program (Optional)	N	
8-5-411.1	Enhanced Monitoring Program (Optional); Notify BAAQMD of tanks selected for enhanced monitoring program	N	
8-5-411.2	Enhanced Monitoring Program (Optional); Criteria for operating enhanced monitoring program	N	
8-5-411.3	Enhanced Monitoring Program (Optional); Performance requirements	N	
8-5-501	Records	N	
8-5-501.1	Records; Type and amount of liquid, type of blanket gas, TVP- Retain 24 months	N	
8-5-501.2	Records; Internal and External Floating Roof Tanks, Seal Replacement Records- Retain 10 years	N	
8-5-501.3	Records; Retention	N	
8-5-602	Analysis of Samples, True Vapor Pressure	Y	
8-5-604	Determination of Applicability Based on True Vapor Pressure	Y	
8-5-605	Measurement of Leak Concentration and Residual Concentrations	N	
8-5-605.1	Measurement of Leak Concentration and Residual Concentrations; EPA method 21 Instruments	N	
8-5-605.2	Measurement of Leak Concentration and Residual Concentrations; Method 21 and tank degassing residual organic concentration measurement method	N	
SIP Regulation 8, Rule 5	**Storage of Organic Liquids (06/05/2003)**		
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	

IV. Source Specific Applicable Requirements

Table IV – BB.7A
Source-Specific Applicable Requirements
NSPS Kb Zero-Gap Internal Floating Roof Tank
but with NSPS Kb and BAAQMD 8-5 Flexibility
S448 (Tank 1007)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce-able (Y/N)	Future Effective Date
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 per 8-5-404	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	
8-5-305.5	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	Y	
8-5-320.3	Tank fitting requirements; Floating roof tanks; Gasketed covers, seals, lids	Y	
8-5-320.4	Tank fitting requirements; Floating roof tanks; Solid sampling or gauging wells	Y	
8-5-320.6	Tank Fitting Requirements; Emergency roof drain	Y	
8-5-321	Primary seal requirements	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	

IV. Source Specific Applicable Requirements

Table IV – BB.7A
Source-Specific Applicable Requirements
NSPS Kb Zero-Gap Internal Floating Roof Tank
but with NSPS Kb and BAAQMD 8-5 Flexibility
S448 (Tank 1007)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce-able (Y/N)	Future Effective Date
8-5-402.2	Inspection Requirements for Internal Floating Roof Tanks; Visual Inspection of Outer Most Seal	Y	
8-5-402.3	Inspection Requirements for Internal Floating Roof Tanks; Tank Fitting Inspection	Y	
8-5-404	Certification	Y	
8-5-405	Information required	Y	
8-5-501	Records	Y	
8-5-501.1	Records; Type and amounts of liquid; true vapor pressure; Retain 24 months	Y	
8-5-501.2	Records; Internal and External Floating Roof Tanks; Seal Replacement Records – Retain 10 years	Y	
8-5-503	Portable hydrocarbon detector	Y	
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 (10/15/03) 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	

IV. Source Specific Applicable Requirements

Table IV – BB.7A
Source-Specific Applicable Requirements
NSPS Kb Zero-Gap Internal Floating Roof Tank
but with NSPS Kb and BAAQMD 8-5 Flexibility
S448 (Tank 1007)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce-able (Y/N)	Future Effective Date
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	
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 (-12/01/15) REQUIREMENTS FOR INTERNAL FLOATING ROOF TANKS ALSO SUBJECT TO NSPS, Subpart Kb**		

IV. Source Specific Applicable Requirements

Table IV – BB.7A
Source-Specific Applicable Requirements
NSPS Kb Zero-Gap Internal Floating Roof Tank
but with NSPS Kb and BAAQMD 8-5 Flexibility
S448 (Tank 1007)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce-able (Y/N)	Future Effective Date
63.640(c)(2)	Applicability and Designation of Storage Vessels	Y	
63.640(n)(2)	Applicability and Designation of Affected Source Overlap for Storage Vessels-Existing Group 1 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)(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)(vii)	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	
Part 4	Alternate Operating Scenario	Y	
Part 4a	Log of the stored material [Basis: 40 CFR 70.6(a)(9), BAAQMD Regulation 2-6-409.7]	Y	
Part 4b	Notification requirement for refilling with Reg. 8-5- or NSPS Subpart Kb – regulated material	Y	
Part 4c	Inspection requirement prior to refilling with Reg. 8-5- or NSPS Subpart Kb – regulated material	Y	

IV. Source Specific Applicable Requirements

Table IV – BB.7B
Source-Specific Applicable Requirements
NSPS Kb Zero-Gap Internal Floating Roof Tank
but with NSPS Kb and BAAQMD 8-5 Flexibility
S448 (Tank 1007)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
S448 will be subject to the requirements of Table IV-BB.9A when storing materials subject to NSPS Kb and BAAQMD 8, Rule 5. S448 will be subject to the requirements of Table IV-BB.9B when storing materials exempt from NSPS Kb and BAAAMD 8, Rule 5.			
BAAQMD Regulation 8, Rule 5	**Organic Compounds, Storage of Organic Liquids (10/18/06) EXEMPT**		
8-5-117	Limited Exemption, Low Vapor Pressure	N	
SIP Regulation 8, Rule 5	**Organic Compounds, Storage of Organic Liquids (6/5/03) 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 (10/15/2003)**		
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(b)	Applicability and Designation of Affected Facility – Exemption for low vapor pressure; NSPS Kb does not apply to vessels with capacity > 151 cu m and TVP < 3.5 kPa or to vessels with capacity >= 75 cu m and <= 151 cu m and TVP < 15.0 kPa	Y	
40 CFR 63, Subpart CC	**National Emission Standards for Hazardous Air Pollutants for Petroleum Refining (12/01/15) REQUIREMENTS FOR GROUP 2 RECORDKEEPING ONLY**		
The tanks in this table will be subject to the provisions of 40 CFR 63.646 and the referenced requirements of 40 CFR 63, subpart G until compliance with 40 CFR 63.660 and the referenced requirements contained in 40 CFR 63, subpart WW is demonstrated, as specified in 40 CFR 63.640(h), 63.660, and 63.1063.			
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	Y	
63.655(h)(6)	Reporting and Recordkeeping Requirements-Other reports-Determination of Applicability	Y	
63.655(h)(6)(ii)	Reporting and Recordkeeping Requirements-Other reports-Determination of Applicability	Y	
63.655(i)(1)	Reporting and Recordkeeping Requirements-Recordkeeping for storage vessels – Keep records specified in 40 CFR 63.123	Y	
63.655(i)(1)(iv)	Reporting and Recordkeeping Requirements-Recordkeeping for storage vessels – Data and assumptions used to determine Group 2 classification	Y	
63.655(i)(1)(vi)	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.7B
Source-Specific Applicable Requirements
NSPS Kb Zero-Gap Internal Floating Roof Tank
but with NSPS Kb and BAAQMD 8-5 Flexibility
S448 (Tank 1007)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.655(i)(6)	Reporting and Recordkeeping Requirements-Recordkeeping--Record retention – 5 years	Y	
BAAQMD Condition 12133			
Part 1	Throughput of materials that are not subject to Regulation 8, Rule 5 and 40 CFR Part 60 Subpart Kb is not restricted. [Basis: Cumulative Increase]	Y	
Part 2	Requirements for tank openings [Basis: Cumulative Increase]	Y	
Part 3	Monthly throughput records [Basis: Cumulative Increase]	Y	
Part 4	Alternate Operating Scenario	Y	
Part 4a	Log of the stored material [Basis: 40 CFR 70.6(a)(9), BAAQMD Regulation 2-6-409.7]	Y	
Part 4b	Notification requirement for refilling with Reg. 8-5- or NSPS Subpart Kb – regulated material	Y	
Part 4c	Inspection requirement prior to refilling with Reg. 8-5- or NSPS Subpart Kb – regulated material	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.8
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 (10/18/06) REQUIREMENTS FOR INTERNAL FLOATING ROOF TANKS**		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	N	
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service, Notification	N	
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service; Tank in compliance at time of notification	N	

IV. Source Specific Applicable Requirements

Table IV – BB.8
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
8-5-111.3	Limited Exemption, Tank Removal From and Return to Service; Filling, emptying, refilling floating roof tanks	N	
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service; Minimize emissions and, if required, degas per 8-5-328	N	
8-5-111.6	Limited Exemption, Tank Removal From and Return to Service; Self report if out of compliance during exemption period	N	
8-5-112	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation	N	
8-5-112.1	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; Notification	N	
8-5-112.2	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; Tank in compliance at time of notification	N	
8-5-112.3	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; No product movement, Minimize emissions	N	
8-5-112.4	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; Not to exceed 7 days	N	
8-5-112.5	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; Self report if out of compliance during exemption period	N	
8-5-112.6	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; Keep records for each exemption	N	
8-5-119	Limited Exemption, Repair Period for Enhanced Monitoring Program	N	
8-5-301	Storage Tank Control Requirements	N	
8-5-305	Requirements for Internal Floating Roof Tanks	N	
8-5-305.2	Requirements for Internal Floating roof tanks; Seals installed after 2/1/1993	Y	
8-5-305.3	Requirements for Internal Floating roof tanks; Viewports in fixed roof tank; not required if dome roof has translucent panels	Y	
8-5-305.4	Requirements for Internal Floating roof tanks; Tank fitting requirements	Y	
8-5-305.5	Requirements for Internal Floating roof tanks; Floating roof requirements	N	
8-5-320	Floating Roof Tank Fitting Requirements	N	
8-5-320.2	Floating Roof Tank Fitting Requirements; Projection below liquid surface	N	
8-5-320.3	Floating Roof Tank Fitting Requirements; Gasketed covers, seals, lids	N	
8-5-320.3.1	Floating Roof Tank Fitting Requirements; 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	

IV. Source Specific Applicable Requirements

Table IV – BB.8
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
8-5-320.4	Floating Roof Tank Fitting Requirements; Solid sampling or gauging wells--	N	
8-5-320.4.1	Floating Roof Tank Fitting Requirements; Solid sampling or gauging wells--projection below liquid surface	Y	
8-5-320.4.2	Floating Roof Tank Fitting Requirements; Solid sampling or gauging wells--cover, seal, or lid	Y	
8-5-320.4.3	Floating Roof Tank Fitting Requirements; Solid sampling or gauging wells-- total secondary seal gap must include well gap	Y	
8-5-320.6	Floating Roof Tank Fitting Requirements; emergency roof drains must be 90% covered	N	
8-5-321	Primary seal requirements	N	
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	N	
8-5-321.3.1	Primary seal requirements; Metallic-shoe-type seal requirements - geometry of shoe	N	
8-5-321.3.2	Primary seal requirements; Metallic-shoe-type seal requirements - welded tanks gap requirements	N	
8-5-322	Secondary seal requirements	N	
8-5-322.1	Secondary seal requirements; No holes, tears, or other openings	N	
8-5-322.2	Secondary seal requirements; Insertion of probes	N	
8-5-322.5	Secondary seal requirements; Gap requirements for welded external floating roof tanks with seal installed after September 4, 1985	N	
8-5-322.6	Secondary seal requirements; extent of seal	N	
8-5-328	Tank degassing requirements	N	
8-5-328.1	Tank degassing requirements; Tanks > 75 cubic meters	N	
8-5-328.2	Tank degassing requirements; Ozone Excess Day Prohibition	N	
8-5-328.3	Tank degassing requirements; BAAQMD notification required	N	
8-5-402	Inspection Requirements for Internal Floating Roof Tanks	N	
8-5-402.1	Inspection Requirements for Internal Floating Roof Tanks; Primary and Secondary Seal Inspections	Y	
8-5-402.2	Inspection Requirements for Internal Floating Roof Tanks; Visual Inspection of Outer Most Seal	N	
8-5-402.3	Inspection Requirements for Internal Floating Roof Tanks; Tank Fitting Inspection	N	
8-5-404	Inspection, Abatement Efficiency Determination, and Source Test Reports	N	
8-5-411	Enhanced Monitoring Program (Optional)	N	
8-5-411.1	Enhanced Monitoring Program (Optional); Notify BAAQMD of tanks selected for enhanced monitoring program	N	
8-5-411.2	Enhanced Monitoring Program (Optional); Criteria for operating enhanced monitoring program	N	

IV. Source Specific Applicable Requirements

Table IV – BB.8
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
8-5-411.3	Enhanced Monitoring Program (Optional); Performance requirements	N	
8-5-501	Records	N	
8-5-501.1	Records; Type and amount of liquid, type of blanket gas, TVP- Retain 24 months	N	
8-5-501.2	Records; Internal and External Floating Roof Tanks, Seal Replacement Records- Retain 10 years	N	
8-5-501.3	Records; Retention	N	
8-5-602	Analysis of Samples, True Vapor Pressure	Y	
8-5-604	Determination of Applicability Based on True Vapor Pressure	Y	
8-5-605	Measurement of Leak Concentration and Residual Concentrations	N	
8-5-605.1	Measurement of Leak Concentration and Residual Concentrations; EPA method 21 Instruments	N	
8-5-605.2	Measurement of Leak Concentration and Residual Concentrations; Method 21 and tank degassing residual organic concentration measurement method	N	
SIP Regulation 8, Rule 5	**Storage of Organic Liquids (06/05/2003)**		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO	Y	
8-5-111.1.1	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO; 3 day prior notification	Y	
8-5-111.1.2	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO; Telephone notification	Y	
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service; Compliance before notification	Y	
8-5-111.3	Limited Exemption, Tank Removal From and Return to Service; Floating roof tanks - continuous and quick filling, emptying and refilling	Y	
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service; Minimization of emissions	Y	
8-5-111.6	Limited Exemption, Tank Removal From and Return to Service; Written notice of completion not required	Y	
8-5-111.7	Limited Exemption, Tank Removal From and Return to Service; Compliance with Section 8-5-328	Y	
8-5-112	Limited Exemption, Tanks in Operation	Y	
8-5-112.1	Limited Exemption, Tanks in Operation; Notice to the APCO	Y	
8-5-112.1.1	Limited Exemption, Tanks in Operation; Notice to the APCO; 3 day prior notification	Y	
8-5-112.1.2	Limited Exemption, Tanks in Operation; Notice to the APCO; Telephone notification	Y	

IV. Source Specific Applicable Requirements

Table IV – BB.8
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
8-5-112.2	Limited Exemption, Tanks in Operation; Compliance and certification before commencement of work per 8-5-404	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	
8-5-305.5	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	Y	
8-5-320.3	Tank fitting requirements; Floating roof tanks; Gasketed covers, seals, lids	Y	
8-5-320.4	Tank fitting requirements; Floating roof tanks; Solid sampling or gauging wells	Y	
8-5-320.6	Tank Fitting Requirements; Emergency roof drain	Y	
8-5-321	Primary seal requirements	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	
8-5-402.2	Inspection Requirements for Internal Floating Roof Tanks; Visual Inspection of Outer Most Seal	Y	
8-5-402.3	Inspection Requirements for Internal Floating Roof Tanks; Tank Fitting Inspection	Y	
8-5-404	Certification	Y	

IV. Source Specific Applicable Requirements

Table IV – BB.8
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
8-5-405	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	
8-5-605	Pressure Vacuum Valve Gas Tight Determination	Y	
40 CFR 63, Subpart G	**SOCMI HON G (12/21/2006) REQUIREMENTS FOR INTERNAL FLOATING ROOF TANKS**		
The tanks in this table will be subject to the provisions of 40 CFR 63.646 and the referenced requirements of 40 CFR 63, subpart G until compliance with 40 CFR 63.660 and the referenced requirements contained in 40 CFR 63, subpart WW is demonstrated, as specified in 40 CFR 63.640(h), 63.660, and 63.1063.			
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	

IV. Source Specific Applicable Requirements

Table IV – BB.8
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
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--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.	Y	
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	

IV. Source Specific Applicable Requirements

Table IV – BB.8
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
40 CFR 63, Subpart CC	**National Emission Standards for Hazardous Air Pollutants for Petroleum Refineries (12/01/15) REQUIREMENTS FOR INTERNAL FLOATING ROOF TANKS**		
The tanks in this table will be subject to the provisions of 40 CFR 63.646 and the referenced requirements of 40 CFR 63, subpart G until compliance with 40 CFR 63.660 and the referenced requirements contained in 40 CFR 63, subpart WW is demonstrated, as specified in 40 CFR 63.640(h), 63.660, and 63.1063.			
63.640(c)(2)	Applicability and Designation of Storage Vessels	Y	
63.640(h)	Compliance by dates specified in Table 11, except as provided in paragraphs (h)(1) through (h)(3)	Y	
63.646	Upon demonstration of compliance with the standards in 63.660 by the compliance dates specified in 63.640(h), the standards in this section shall no longer apply.	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	Y	
63.646(c)	Storage Vessel Provisions—63 Subpart G exclusions for storage vessels [IFRs exempt from 63.119(b)(5) and (b)(6)]	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	
63.655(f)	Reporting and Recordkeeping Requirements-Notice of compliance status report requirements	Y	
63.655(f)(1)	Reporting and Recordkeeping Requirements-Notice of compliance status report requirements	Y	
63.655(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.8
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
63.655(f)(1)(i)(A)	Reporting and Recordkeeping Requirements-Notice of compliance status report requirements-Reporting--storage vessels	Y	
63.655(f)(1)(i)(A)(1)	Reporting and Recordkeeping Requirements-Notice of compliance status report requirements-Reporting--storage vessels	Y	
63.655(g)	Periodic Reporting and Recordkeeping Requirements	Y	
63.655(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	
63.655(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	Y	
63.655(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 reports	Y	
63.655(g)(2)(i)(A)(1)	Periodic Reporting and Recordkeeping Requirements- internal floating roof tanks – submit results of each tank inspection where failure is detected in control equipment – annual inspection report; definition of failure	Y	
63.655(g)(2)(i)(A)(2)	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	
63.655(g)(2)(i)(A)(3)	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	
63.655(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 – internal inspection report	Y	
63.655(g)(2)(i)(B)(1)	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	
63.655(g)(2)(i)(B)(2)	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	
63.655(g)(2)(ii)	Periodic Reporting and Recordkeeping Requirements- internal floating roof tanks– submit results of each tank inspection where	Y	

IV. Source Specific Applicable Requirements

Table IV – BB.8
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
	failure is detected in control equipment – internal inspection report; Periodic report requirements		
63.655(h)(2)	Reporting and Recordkeeping Requirements-Other reports-Storage vessel notification of inspections.	Y	
63.655(h)(2)(i)	Reporting and Recordkeeping Requirements-Other reports-Storage vessel notification of inspections – refilling Group 1 storage vessel.	Y	
63.655(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	
63.655(h)(6)	Reporting and Recordkeeping Requirements-Other reports-Determination of Applicability	Y	
63.655(h)(6)(ii)	Reporting and Recordkeeping Requirements-Other reports-Determination of Applicability	Y	
63.655(i)(1)	Reporting and Recordkeeping Requirements-Recordkeeping for storage vessels – keep records specified in 63.123 (Subpart G)	Y	
63.655(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. Each owner or operator subject to the storage vessel provisions in 63.660 shall keep records as specified in paragraphs (i)(1)(v) and (vi).	Y	
63.655(i)(6)	Reporting and Recordkeeping Requirements—Recordkeeping for storage vessels-Record retention – 5 years	Y	
63.660	Storage vessel provisions. Group 1 storage vessel shall comply with the requirements in 40 CFR 63, subpart WW according to the requirements of 63.660(a) through (i).	Y	
63.660(a)	Determination of stored liquid HAP content	Y	
63.660(b)	Floating Roof Storage Vessel Requirements	Y	
63.660(c)	References	Y	
63.660(e)	Violations	Y	
63.660(g)	Notification of Compliance Status	Y	
63.660(h)	Periodic Reporting	Y	
63.660(i)	Requirements for electing to comply with subpart SS	Y	
BAAQMD Condition 20989, Part A	Throughput limits for sources S257, S258 [Basis: 2-1-234.3]	N	
BAAQMD Condition 26689			
Part 1	Throughput limit for source S126. [Basis: Cumulative Increase]	Y	
Part 2	Storage material vapor pressure limit for S126. [Basis: Cumulative Increase]	Y	
Part 3	Recordkeeeping for S126. [Basis: Cumulative Increase]	Y	

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.9
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)
S506 (Tank 257)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce-able (Y/N)	Future Effective Date
BAAQMD Regulation 1	**General Provisions and Definitions (5/4/11)**		
1-523	Parametric Monitoring and Recordkeeping Procedures	N	
1-523.1	Parametric monitor periods of inoperation	Y	
1-523.2	Limits on periods of inoperation	Y	
1-523.3	Reports of Violations	N	
1-523.4	Records	Y	
1-523.5	Maintenance and calibration	N	
SIP Regulation 1	**General Provisions and Definitions (6/28/99)**		
1-523	Parametric Monitoring and Recordkeeping Procedures	Y[1]	
1-523.3	Reports of Violations	Y[1]	
BAAQMD Regulation 8, Rule 5	**Organic Compounds, Storage of Organic Liquids (10/18/06) REQUIREMENTS FOR FIXED ROOF TANKS**		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	N	
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO	N	
8-5-111.1.1	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO; 3 day prior notification	N	
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	N	
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	N	
8-5-112	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation	N	
8-5-112.1	Limited Exemption, Tanks in Operation; Notice to the APCO	N	
8-5-112.1.1	Limited Exemption, Tanks in Operation; Notice to the APCO; 3 day prior notification	N	
8-5-112.1.2	Limited Exemption, Tanks in Operation; Notice to the APCO; Telephone notification	N	

IV. Source Specific Applicable Requirements

Table IV – BB.9
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)
S506 (Tank 257)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce-able (Y/N)	Future Effective Date
8-5-112.2	Limited Exemption, Tanks in Operation; Compliance and certification before commencement of work	N	
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	N	
8-5-112.6	Tank Records	N	
8-5-301	Storage Tank Control Requirements (internal floating roof, external floating roof, or approved emission control system)	N	
8-5-303	Requirements for Pressure Vacuum Valves	N	
8-5-303.1	Requirements for Pressure Vacuum Valves; Set pressure	N	
8-5-303.2	Requirements for Pressure Vacuum Valves; Installation, maintenance, operation	N	
8-5-306	Requirements for Approved Emission Control Systems	N	
8-5-307	Requirements for Fixed Roof Tanks, Pressure Tanks, and Blanketed Tanks	N	
8-5-307.1	Shell in good condition with no leakage	N	
8-5-328	Tank Degassing Requirements	N	
8-5-328.1	Tank Degassing Requirements; Tanks > 75 cubic meters	N	
8-5-328.1.2	Tank Degassing Requirements; Tanks > 75 cubic meters; Concentration of <10,000 ppm as methane after degassing	N	
8-5-328.2	Tank degassing requirements; Ozone excess day prohibition	N	
8-5-328.3	Notification of degassing	N	
8-5-331	Tank Cleaning Requirements	N	
8-5-332	Sludge Handling Requirements	N	
8-5-403	Inspection Requirements for Pressure Relief Devices	N	
8-5-404	Inspection, Abatement Efficiency Determination and Source Test Reports	N	
8-5-501	Records	N	
8-5-501.1	Records; Type and amounts of liquid; true vapor pressure; Retain 24 months	N	
8-5-501.3	Records retained for 24 months	N	
8-5-501.4	Engineering data sheets showing setpoints for pressure vacuum valves installed after 6/1/07	N	
8-5-602	Analysis of Samples, True Vapor Pressure	N	
8-5-603	Determination of emissions	N	
8-5-603.1	Determination of Emissions; Organic compounds specified in 8-5-306	N	
8-5-604	Determination of Applicability	N	
8-5-605	Pressure Vacuum Valve Gas Tight Determination	N	
SIP Regulation 8 Rule 5	Organic Compounds, Storage of Organic Liquids (6/5/03)		

IV. Source Specific Applicable Requirements

Table IV – BB.9
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)
S506 (Tank 257)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce-able (Y/N)	Future Effective Date
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service, Notification	Y	
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service, Tank in compliance prior to notification	Y	
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service, Minimize emissions	Y	
8-5-111.6	Limited Exemption, Tank Removal From and Return to Service, Notice of completion not required	Y	
8-5-111.7	Limited Exemption, Tank Removal From and Return to Service, Satisfy requirements of 8-5-328	Y	
8-5-112	Limited Exemption, Preventative Maintenance and Inspection of 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	
8-5-301	Storage Tank Control Requirements (internal floating roof, external floating roof, or approved emission control system)	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	
8-5-328.3	Notification of degassing	N	
8-5-331	Tank Cleaning Requirements	N	
8-5-332	Sludge Handling Requirements	N	
8-5-403	Inspection Requirements for Pressure Vacuum Valves	Y	
8-5-404	Certification	Y	
8-5-503	Portable hydrocarbon detector	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 (10/15/2003) REQUIREMENTS FOR FIXED ROOF TANKS**		
60.110b(a)	Applicability and Designation of Affected Facility; Volatile organic	Y	

IV. Source Specific Applicable Requirements

Table IV – BB.9
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)
S506 (Tank 257)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce-able (Y/N)	Future Effective Date
	liquid storage vessels > or = to 40 cu m, after 7/23/1984		
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); Closed vent system and control device		
60.112b(b)(1)	Standard for Volatile Organic Compounds (VOC); Closed vent system and control device as specified in 60.112b(a)(3)		
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	
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 (12/01/15) 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	

IV. Source Specific Applicable Requirements

Table IV – BB.9
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)
S506 (Tank 257)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce-able (Y/N)	Future Effective Date
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 limit for source 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	
BAAQMD Condition 23724			
Part 1a	Requirement for abatement by A7, Odor Abatement System [2-1-403]	Y	
Part 2	Requirement for utility-grade natural gas blanket [2-1-403]	Y	
Part 3	Requirement for pressure monitoring device for S135 by 7/5/09. [2-1-403]	Y	
Part 4	After pressure monitoring devices are installed, requirement to operate below tank set pressure [2-1-403]	Y	
Part 4a	Tank pressures for tanks subject to Regulation 8, Rule 5 [Regulation 8, Rule 5]	Y	
Part 5	Pressure relief valve setting at or above nominal set pressure	Y	
Part 6	Corrective Plan	Y	
Part 7	Pressure monitoring records [2-1-403]	Y	
Part 8	Initial date for reporting pressures in excess of nominal set pressure 7/5/09	Y	
Part 9	Compliance with nuisance and odor regulations [1-301, 7-301, 7-302]	Y	

IV. Source Specific Applicable Requirements

Table IV – BB.10
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 (10/18/06) REQUIREMENTS FOR FIXED ROOF TANKS**		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	N	
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service, Notification	N	
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service; Tank in compliance at time of notification	N	
8-5-111.4	Limited Exemption, Tank Removal From and Return to Service; Use vapor recovery during filling and emptying tanks so equipped	N	
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service; Minimize emissions and, if required, degas per 8-5-328	N	
8-5-111.6	Limited Exemption, Tank Removal From and Return to Service; Self report if out of compliance during exemption period	N	
8-5-112	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation	N	
8-5-112.1	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; Notification	N	
8-5-112.2	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; Tank in compliance at time of notification	N	
8-5-112.3	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; No product movement, Minimize emissions	N	
8-5-112.4	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; Not to exceed 7 days	N	
8-5-112.5	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; Self report if out of compliance during exemption period	N	
8-5-112.6	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; Keep records for each exemption	N	
8-5-118	Limited Exemption, Gas Tight Requirement for approved emission control system in 8-5-306.2 does not apply if facility is subject to BAAQMD 8-18	N	
8-5-119	Limited Exemption, Repair Period for Enhanced Monitoring Program	N	
8-5-301	Storage Tank Control Requirements	N	
8-5-303	Requirements for Pressure Vacuum Valves	N	
8-5-303.1	Requirements for Pressure Vacuum Valves; Set pressure	N	
8-5-303.2	Requirements for Pressure Vacuum Valves; Gas tight requirement	N	
8-5-306	Requirements for approved Emission Control System	N	
8-5-306.1	Requirements for approved Emission Control System; Abatement Efficiency >=95%	N	
8-5-307	Requirements for fixed roof tanks, pressure tanks and blanketed tanks	N	

IV. Source Specific Applicable Requirements

Table IV – BB.10
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
8-5-307.1	Requirements for fixed roof tanks, pressure tanks and blanketed tanks; no liquid leakage through shell	N	
8-5-328	Tank degassing requirements	N	
8-5-328.1	Tank degassing requirements; Tanks > 75 cubic meters	N	
8-5-328.2	Tank degassing requirements; Ozone Excess Day Prohibition	N	
8-5-328.3	Tank degassing requirements; BAAQMD notification required	N	
8-5-403	Inspection Requirements for Pressure Relief Devices	N	
8-5-404	Inspection, Abatement Efficiency Determination and Source Test Reports	N	
8-5-411	Enhanced Monitoring Program (Optional)	N	
8-5-411.1	Enhanced Monitoring Program (Optional); Notify BAAQMD of tanks selected for enhanced monitoring program	N	
8-5-411.2	Enhanced Monitoring Program (Optional); Criteria for operating enhanced monitoring program	N	
8-5-411.3	Enhanced Monitoring Program (Optional); Performance requirements	N	
8-5-501	Records	N	
8-5-501.1	Records; Type and amounts of liquid, type of blanket gas, TVP- Retain 24 months	N	
8-5-501.3	Records; Retention	N	
8-5-501.4	Records; New pressure vacuum valve setpoints	N	
8-5-502	Source Test Requirements and exemption for sources vented to fuel gas	N	
8-5-502.1	Source Test Requirements; Annual source test for approved emission control system and abatement devices for 8-5-303.2, 8-5-306.1, 8-5-307.3	N	
8-5-602	Analysis of Samples, True Vapor Pressure	Y	
8-5-603	Determination of Abatement Efficiency	N	
8-5-604	Determination of Applicability Based on True Vapor Pressure	Y	
8-5-605	Measurement of Leak Concentration and Residual Concentrations	N	
8-5-605.1	Measurement of Leak Concentration and Residual Concentrations; EPA method 21 Instruments	N	
8-5-605.2	Measurement of Leak Concentration and Residual Concentrations; Method 21 and tank degassing residual organic concentration measurement method	N	
SIP Regulation 8, Rule 5	**Storage of Organic Liquids (06/05/2003)**		

IV. Source Specific Applicable Requirements

Table IV – BB.10
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
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 per 8-5-404	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, operation, and gas tight requirements	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 Relief Devices	Y	

IV. Source Specific Applicable Requirements

Table IV – BB.10
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
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	
8-5-603	Determination of emissions	Y	
8-5-603.1	Source tests for approved emission control systems	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 (10/15/03) 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 control device (not flare)	Y	
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	

IV. Source Specific Applicable Requirements

Table IV – BB.10
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
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 (12/01/15) 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	

IV. Source Specific Applicable Requirements

Table IV – BB.11
Source-Specific Applicable Requirements
MACT ZERO-GAP EXTERNAL FLOATING ROOF TANKS
S97 (TANK 100), S98, (TANK 101), 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
BAAQMD Regulation 8, Rule 5	**Organic Compounds, Storage of Organic Liquids (10/18/06) REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS**		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	N	
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service, Notification	N	
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	N	
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	
8-5-112	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation	N	
8-5-112.1	Limited Exemption, Tanks in Operation, Notification	N	
8-5-112.1.1	Limited Exemption, Tanks in Operation, Notification, 3 day prior notification	N	
8-5-112.1.2	Limited Exemption, Tanks in Operation, Notification, Telephone notification	N	
8-5-112.2	Limited Exemption, Tanks in Operation, Tank in compliance prior to start of work. Certified per 8-5-404	N	
8-5-112.3	Limited Exemption, Tanks in Operation, No product movement, Minimize emissions	N	
8-5-112.4	Limited Exemption, Tanks in Operation, Not to exceed 7 days	N	
8-5-112.6	Tank Records	N	
8-5-119	Limited Exemption, Repair Period (Applies to S122, S123, S124, S128, S150, S151, S177, S254, S255, S256, S259)	N	
8-5-301	Storage Tank Control Requirements (internal floating roof, external floating roof, or approved emission control system)	N	
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	N	

IV. Source Specific Applicable Requirements

Table IV – BB.11
Source-Specific Applicable Requirements
MACT ZERO-GAP EXTERNAL FLOATING ROOF TANKS
S97 (TANK 100), S98, (TANK 101), 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
8-5-304.5	Requirements for External Floating Roofs; Shell in good condition	N	
8-5-304.6	Requirements for External Floating Roofs; tank pontoons	N	
8-5-320.2	Tank Fitting Requirements; Floating roof tanks, Projection below liquid surface	Y	
8-5-320.3	Tank Fitting Requirements; Floating roof tanks, Gasketed covers, seals, lids	Y	
8-5-320.3.1	Tank Fitting Requirements; Floating roof tanks, Gasketed covers, seals, lids - Gap requirements	Y	
8-5-320.4	Tank Fitting Requirements; Solid sampling or gauging well requirements in floating roof tanks	Y	
8-5-320.4.1	Tank Fitting Requirements; Solid sampling or gauging well requirements-projection below liquid surface	Y	
8-5-320.4.2	Tank Fitting Requirements; Solid sampling or gauging well requirements-cover, seal, or lid	Y	
8-5-320.4.3	Tank Fitting Requirements; Solid sampling or gauging well requirements-gap between well and roof	Y	
8-5-320.6	Tank Fitting Requirements; Emergency roof drain	Y	
8-5-320.7	Tank Fitting Requirements; Pressure relief devices	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	

IV. Source Specific Applicable Requirements

Table IV – BB.11
Source-Specific Applicable Requirements
MACT ZERO-GAP EXTERNAL FLOATING ROOF TANKS
S97 (TANK 100), S98, (TANK 101), 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
8-5-328.3	Notification of degassing	N	
8-5-331	Tank Cleaning Requirements	N	
8-5-332	Sludge Handling Requirements	N	
8-5-401	Inspection Requirements for External Floating Roof Tanks	N	
8-5-401.1	Inspection Requirements for External Floating Roof Tanks; Primary and Secondary Seal Inspections	N	
8-5-401.2	Inspection Requirements for External Floating Roof Tanks; Tank Fittings Inspections	N	
8-5-404	Inspection, Abatement Efficiency Determination and Source Test Reports	N	
8-5-405	Information Required	Y	
8-5-411	Enhanced Monitoring Program (Applies to list of tanks chosen by facility)_	N	
8-5-412	Monitoring of Leaking Pontoons	N	
8-5-501	Records	N	
8-5-501.1	Records; Type and amounts of liquid, type of blanket gas, TVP – Retain 24 months	N	
8-5-501.2	Records; Internal and External Floating Roof Tanks, Seal Replacement Records – Retain 10 years	N	
8-5-501.3	Records retained for 24 months	N	
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	
SIP Regulation 8 Rule 5	**Organic Compounds, Storage of Organic Liquids (6/5/03)**		
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service, Notification	Y	
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service, Tank in compliance prior to notification	Y	
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service, Minimize emissions	Y	
8-5-111.6	Limited Exemption, Tank Removal From and Return to Service, Notice of completion not required	Y	

IV. Source Specific Applicable Requirements

Table IV – BB.11
Source-Specific Applicable Requirements
MACT ZERO-GAP EXTERNAL FLOATING ROOF TANKS
S97 (TANK 100), S98, (TANK 101), 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
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, Preventative Maintenance and Inspection of 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	
8-5-301	Storage Tank Control Requirements (internal floating roof, external floating roof, or approved emission control system)	Y	
8-5-320	Tank Fitting Requirements	Y	
8-5-320.3	Tank Fitting Requirements; Floating roof tanks, Gasketed covers, seals, lids	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	
8-5-328	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	
8-5-328.3	Notification of degassing	N	
8-5-331	Tank Cleaning Requirements	N	
8-5-332	Sludge Handling Requirements	N	
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	
8-5-501	Records	Y	

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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce-able (Y/N)	Future Effective Date
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	
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 (10/15/03) (Applies to S107 only)**		
40 CFR 60.112b(a)(2)	Standards for Volatile Organic Compounds (VOC); External floating roof option	Y	
40 CFR 60.112b(a)(2)(i)	Standards for Volatile Organic Compounds (VOC); External floating roof seal requirements	Y	
40 CFR 60.112b(a)(2)(i)(A)	Standards for Volatile Organic Compounds (VOC); External floating roof primary seal requirements	Y	
40 CFR 60.112b(a)(2)(i)(B)	Standards for Volatile Organic Compounds (VOC); External floating roof secondary seal requirements	Y	
40 CFR 60.112b(a)(2)(ii)	Standards for Volatile Organic Compounds (VOC); External floating roof openings requirements	Y	
40 CFR 60.112b(a)(2)(iii)	Standards 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	

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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce-able (Y/N)	Future Effective Date
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	
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(b)	Reporting and Recordkeeping Requirements; 60.112b(a) external floating roof	Y	
40 CFR 61 Subpart FF	**National Emission Standards for Benzene Waste Operations (12/04/2003) (Applies to S107 only)**		
40 CFR 61.351(a)(2)	Alternative Standards for Tanks; External floating roof meeting the requirements of 40 CFR 60.112b(a)(2)	Y	
40 CFR 61.351(b)	Alternative Standards for Tanks; Tanks subject to 61.351 and exempt from 61.343	Y	
40 CFR 61.356(k)	Recordkeeping Requirements: Comply with recordkeeping requirements of 40 CFR 60.115b	Y	
40 CFR 61.357(f)	Reporting Requirements: : Comply with reporting requirements of 40 CFR 60.115b		

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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce-able (Y/N)	Future Effective Date
NESHAPS Title 40 Part 63 Subpart G	**SOCMI HON G (12/21/2006) REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS**		
The tanks in this table will be subject to the provisions of 40 CFR 63.646 and the referenced requirements of 40 CFR 63, subpart G until compliance with 40 CFR 63.660 and the referenced requirements contained in 40 CFR 63, subpart WW is demonstrated, as specified in 40 CFR 63.640(h), 63.660, and 63.1063.			
40 CFR 63.119(a)	Storage Vessel Provisions – Reference Control Technology	Y	
40 CFR 63.119(a)(1)	Storage Vessel Provisions – Reference Control Technology—Group 1, TVP < 76.6 kPa	Y	
40 CFR 63.119(c)	Storage Vessel Provisions – Reference Control Technology—External floating roof	Y	
40 CFR 63.119(c)(1)	Storage Vessel Provisions – Reference Control Technology—External floating roof seals	Y	
40 CFR 63.119(c)(1)(i)	Storage Vessel Provisions – Reference Control Technology—External floating roof double seals required	Y	
40 CFR 63.119(c)(1)(ii)	Storage Vessel Provisions – Reference Control Technology—External floating roof primary seal requirements – metallic shoe or liquid-mounted	Y	
40 CFR 63.119(c)(1)(iii)	Storage Vessel Provisions – Reference Control Technology—External floating roof seal requirements	Y	
40 CFR 63.119(c)(3)	Storage Vessel Provisions – Reference Control Technology—External floating roof—Must float on liquid	Y	
40 CFR 63.119(c)(3)(i)	Storage Vessel Provisions – Reference Control Technology—External floating roof –Must float on liquid except during initial fill	Y	
40 CFR 63.119(c)(3)(ii)	Storage Vessel Provisions – Reference Control Technology—External floating roof—Must float on liquid except after completely emptied and degassed	Y	
40 CFR 63.119(c)(3)(iii)	Storage Vessel Provisions – Reference Control Technology—External floating roof – Must float on liquid except when completely emptied before refilling	Y	
40 CFR 63.119(c)(4)	Storage Vessel Provisions – Reference Control Technology—External Floating Roof Operations, when not floating	Y	
40 CFR 63.120(b)	Storage Vessel Provisions – Procedures to Determine Compliance—Compliance Demonstration—External floating roof	Y	
40 CFR 63.120(b)(1)	Storage Vessel Provisions – Procedures to Determine Compliance—External FR seal gap measurement	Y	
40 CFR 63.120(b)(1)(i)	Storage Vessel Provisions – Procedures to Determine Compliance—External FR with double seals – primary seal gap measurement – 5 year intervals	Y	

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

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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce-able (Y/N)	Future Effective Date
40 CFR 63.120(b)(6)(ii)	Storage Vessel Provisions – Procedures to Determine Compliance—External FR secondary seal requirements – no holes, tears or openings	Y	
40 CFR 63.120(b)(7)	Storage Vessel Provisions – Procedures to Determine Compliance—External FR unsafe to perform seal measurements or inspect the tank	Y	
40 CFR 63.120(b)(7)(i)	Storage Vessel Provisions – Procedures to Determine Compliance—External FR unsafe to perform seal measurements or inspect the tank – complete measurements or inspection within 30 days after determining roof is unsafe or comply with 40 CFR 63.120(b)(7)(ii)	Y	
40 CFR 63.120(b)(7)(ii)	Storage Vessel Provisions – Procedures to Determine Compliance—External FR unsafe to perform seal measurements or inspect the tank – empty and remove vessel from service within 45 days after determining roof is unsafe or comply with 40 CFR 63.120(b)(7)(i). Two 30 day extensions are allowed to empty the tank. Decision to use extension must be documented.	Y	
40 CFR 63.120(b)(8)	Storage Vessel Provisions – Procedures to Determine Compliance External FR Repairs must be made within 45 days after identification or empty and remove tank from service. Two 30 day extensions are allowed to empty the tank. Decision to use extension must be documented.	Y	
40 CFR 63.120(b)(9)	Storage Vessel Provisions – Procedures to Determine Compliance External FR seal gap measurement 30 day notification	Y	
40 CFR 63.120(b)(10)	Storage Vessel Provisions – Procedures to Determine Compliance—External FR and seals visual inspection each time emptied	Y	
40 CFR 63.120(b)(10)(i)	Storage Vessel Provisions – Procedures to Determine Compliance—External FR and seal visual inspection each time emptied – Repair defects before refilling [does not apply to gaskets, slotted membranes, or sleeve seals for Group 1 Refinery MACT tanks per 40 CFR 63.646(e)]	Y	
40 CFR 63.120(b)(10)(ii)	Storage Vessel Provisions – Procedures to Determine Compliance—External FR and seal visual inspection each time emptied – 30 day notification	Y	
40 CFR 63.120(b)(10)(iii)	Storage Vessel Provisions – Procedures to Determine Compliance—External FR and seal visual inspection each time emptied –-Notification for unplanned	Y	

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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce-able (Y/N)	Future Effective Date
40 CFR 63.123(a)	Storage Vessel Provisions – Recordkeeping—Group 1 and Group 2 storage vessel dimensions and capacity. Keep for life of source.	Y	
40 CFR 63.123(d)	Storage Vessel Provisions – Recordkeeping—Group 1 External floating roof tank requirements – records of seal gap measurements (date, raw data, and required calculations)	Y	
40 CFR 63.123(g)	Storage Vessel Provisions – Recordkeeping, Extensions for emptying storage vessel – keep documentation specified	Y	
40 CFR 63 Subpart CC	**NESHAPS for Petroleum Refineries (12/01/15) REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS**		
The tanks in this table will be subject to the provisions of 40 CFR 63.646 and the referenced requirements of 40 CFR 63, subpart G until compliance with 40 CFR 63.660 and the referenced requirements contained in 40 CFR 63, subpart WW is demonstrated, as specified in 40 CFR 63.640(h), 63.660, and 63.1063.			
40 CFR 63.640(c)(2)	Applicability and Designation of Storage Vessels	Y	
63.640(h)	Compliance by dates specified in Table 11, except as provided in paragraphs (h)(1) through (h)(3)	Y	
63.646	Upon demonstration of compliance with the standards in 63.660 by the compliance dates specified in 63.640(h), the standards in this section shall no longer apply.	Y	
40 CFR 63.646(a)	Storage Vessel Provisions-Group 1	Y	
40 CFR 63.646(b)(1)	Storage Vessel Provisions-Determine stored liquid % OHAP for group determination	Y	
40 CFR 63.646(b)(2)	Storage Vessel Provisions-Determine stored liquid % OHAP	Y	
40 CFR 63.646(c)	Storage Vessel Provisions—40 CFR 63 Subpart G exclusions for storage vessels [EFRs exempt from 63.119(c)(2)]	Y	
40 CFR 63.646(d)	Storage Vessel Provisions-References	Y	
40 CFR 63.646(d)(2)	Storage Vessel Provisions-References to April 22,1994	Y	
40 CFR 63.646(d)(3)	Storage Vessel Provisions-References to December 31, 1992	Y	
40 CFR 63.646(d)(4)	Storage Vessel Provisions-References to compliance dates in 40 CFR 63.100 of Subpart F	Y	
40 CFR 63.646(e)	Storage Vessel Provisions—Exceptions for compliance with inspection requirements of 40 CFR 63.120 of Subpart G – Not required to comply with provisions for gaskets, slotted membranes, and sleeve seals.	Y	
40 CFR 63.646(f)	Storage Vessel Provisions-Group 1 floating roof requirements	Y	

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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce-able (Y/N)	Future Effective Date
40 CFR 63.646(f)(1)	Storage Vessel Provisions—Group 1 floating roof requirements-Covers or lids closed except when in use	Y	
40 CFR 63.646(f)(2)	Storage Vessel Provisions-Group 1 floating roof requirements-Rim space vents requirements	Y	
40 CFR 63.646(f)(3)	Storage Vessel ProvisionSGroup 1 floating roof requirements-Automatic bleeder vents requirements	Y	
40 CFR 63.646(l)	Storage Vessel Provisions-State or local permitting agency notification requirements	Y	
40 CFR 63.655(f)	Reporting and Recordkeeping Requirements-Notice of compliance status report requirements	Y	
40 CFR 63.655(f)(1)	Reporting and Recordkeeping Requirements-Notice of compliance status report requirements	Y	
40 CFR 63.655(f)(1)(i)	Reporting and Recordkeeping Requirements-Notice of compliance status report requirements-Reporting—storage vessels	Y	
40 CFR 63.655(f)(1)(i)(A)	Reporting and Recordkeeping Requirements-Notice of compliance status report requirements-Reporting—storage vessels	Y	
40 CFR 63.655(f)(1)(i)(A)(1)	Reporting and Recordkeeping Requirements-Notice of compliance status report requirements-Reporting—storage vessels	Y	
40 CFR 63.655(g)	Periodic Reporting and Recordkeeping Requirements	Y	
40 CFR 63.655(g)(1)	Periodic Reporting and Recordkeeping Requirements-storage vessels [Information related to gaskets, slotted membranes, and sleeve seals not required for storage vessels that are part of existing source]	Y	
40 CFR 63.655(g)(3)(i)	Periodic Reporting and Recordkeeping Requirements-storage vessels with external floating roofs	Y	
40 CFR 63.655(g)(3)(i)(A)	Periodic Reporting and Recordkeeping Requirements-storage vessels with external floating roofs document results of each seal gap measurement	Y	
40 CFR 63.655(g)(3)(i)(B)	Periodic Reporting and Recordkeeping Requirements-storage vessels with external floating roofs – extension documentation	Y	
40 CFR 63.655(g)(3)(i)(C)	Periodic Reporting and Recordkeeping Requirements-storage vessels with external floating roofs – documentation of failures	Y	
40 CFR 63.655(g)(3)(ii)	Periodic Reporting and Recordkeeping Requirements-storage vessels with external floating roofs – documentation of failures	Y	
40 CFR 63.655(h)(2)	Reporting and Recordkeeping Requirements-Other reports-Storage vessel notification of inspections.	Y	
40 CFR 63.655(h)(2)(i)	Reporting and Recordkeeping Requirements-Other reports-Storage vessel notification of inspections – refilling Group 1 storage vessel.	Y	

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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce-able (Y/N)	Future Effective Date
40 CFR 63.655(h)(2)(ii)	Reporting and Recordkeeping Requirements-Other reports-Storage vessel notification of inspections –Group 1 storage vessel seal gap measurements – 30 day notification [can be waived or modified by state or local].	Y	
40 CFR 63.655(h)(6)	Reporting and Recordkeeping Requirements-Other reports-Determination of Applicability	Y	
40 CFR 63.655(h)(6)(ii)	Reporting and Recordkeeping Requirements-Other reports-Determination of Applicability	Y	
40 CFR 63.655(i)(1)	Reporting and Recordkeeping Requirements-Recordkeeping for storage vessels – keep records specified in 40 CFR 63.123 (Subpart G)	Y	
40 CFR 63.655(i)(1)(i)	Reporting and Recordkeeping Requirements-Recordkeeping for storage vessels– keep records specified in 40 CFR 63.123 (Subpart G) except records related to gaskets, slotted membranes, and sleeve seals for vessels in existing sources. Each owner or operator subject to the storage vessel provisions in 63.660 shall keep records as specified in paragraphs (i)(1)(v) and (vi).	Y	
40 CFR 63.655(i)(6)	Reporting and Recordkeeping Requirements—Recordkeeping for storage vessels-Record retention – 5 years	Y	
63.660	Storage vessel provisions. Group 1 storage vessel shall comply with the requirements in 40 CFR 63, subpart WW according to the requirements of 63.660(a) through (i).	Y	
63.660(a)	Determination of stored liquid HAP content	Y	
63.660(b)	Floating Roof Storage Vessel Requirements	Y	
63.660(c)	References	Y	
63.660(e)	Violations	Y	
63.660(g)	Notification of Compliance Status	Y	
63.660(h)	Periodic Reporting	Y	
63.660(i)	Requirements for electing to comply with subpart SS	Y	
BAAQMD Condition 20989, Part A	Throughput limits for sources S100, S107, S110, S111, S112, S114, S115, 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	Applies to S123, S124, S186		
Part 1	Vapor pressure limit for S123 [Basis: cumulative increase]	Y	
Part 2	Vapor pressure limit for S124 [Basis: cumulative increase]	Y	

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Source-Specific Applicable Requirements
MACT ZERO-GAP EXTERNAL FLOATING ROOF TANKS
S97 (TANK 100), S98, (TANK 101), 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
Part 3	Emissions limit for S186 [Basis: cumulative increase]	Y	
Part 5	Throughput limit for S123 [Basis: cumulative increase]	Y	
Part 6	Throughput limit for S124 [Basis: cumulative increase]		
Part 8a	BACT equipment requirements for S123, S124, and S186 [Basis: BACT, cumulative increase]	Y	
Part 9	Emission calculations S186 [Basis: cumulative increase]	Y	
BAAQMD Condition 22963	Applies to S98. S122, S128		
Part 1a	Vapor pressure limit for S98 for October through March [Basis: cumulative increase]	Y	
Part 1b	Vapor pressure limit for S98 for April through September [Basis: cumulative increase]		
Part 1d	Vapor pressure limit for S122 [Basis: cumulative increase]		
Part 1e	Vapor pressure limit for S128 [Basis: cumulative increase]		
Part 2a	Throughput limit for S98 for October through March [Basis: cumulative increase]		
Part 2b	Throughput limit for S98 for April through September [Basis: cumulative increase]		
Part 2d	Annual throughput limit for S122 [Basis: cumulative increase]		
Part 2e	Annual throughput limit for S128 [Basis: cumulative increase]		
Part 4	Seal, penetration, guide pole, and roof leg requirements [Basis: BACT, cumulative increase]		
BAAQMD Condition 25477	Applies to S97		
Part 1	Crude oil throughput, limit on content of tank [Basis: BACT, cumulative increase]	Y	
Part 2	Equipment requirements [Basis: BACT, cumulative increase]	Y	
Part 3	Recordkeeping [Basis: cumulative increase]	Y	

IV. Source Specific Applicable Requirements

Table IV – BB.12
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 (10/18/06) 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	N	
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	N	
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	
8-5-112	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation	N	
8-5-112.1	Limited Exemption, Tanks in Operation, Notification	N	
8-5-112.1.1	Limited Exemption, Tanks in Operation, Notification, 3 day prior notification	N	
8-5-112.1.2	Limited Exemption, Tanks in Operation, Notification, Telephone notification	N	
8-5-112.2	Limited Exemption, Tanks in Operation, Tank in compliance prior to start of work. Certified per 8-5-404	N	
8-5-112.3	Limited Exemption, Tanks in Operation, No product movement, Minimize emissions	N	
8-5-112.4	Limited Exemption, Tanks in Operation, Not to exceed 7 days	N	
8-5-112.6	Tank Records	N	
8-5-119	Limited Exemption, Repair Period (Applies to S341 only)	N	
8-5-301	Storage Tank Control Requirements (internal floating roof, external floating roof, or approved emission control system)	N	
8-5-304	Requirements for External Floating Roofs	N	
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	N	
8-5-304.5	Requirements for External Floating Roofs; Shell in good condition	N	
8-5-304.6	Requirements for External Floating Roofs; tank pontoons	N	
8-5-320	Tank Fitting Requirements; Floating roof tanks	Y	

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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
8-5-320.2	Tank Fitting Requirements; Floating roof tanks, Projection below liquid surface	Y	
8-5-320.3	Tank Fitting Requirements; Floating roof tanks, Gasketed covers, seals, lids	Y	
8-5-320.3.1	Tank Fitting Requirements; Floating roof tanks, Gasketed covers, seals, lids – Gap requirements	Y	
8-5-320.4	Tank Fitting Requirements; Solid sampling or gauging well requirements in floating roof tanks	Y	
8-5-320.4.1	Tank Fitting Requirements; Solid sampling or gauging well requirements-projection below liquid surface	Y	
8-5-320.4.2	Tank Fitting Requirements; Solid sampling or gauging well requirements-cover, seal, or lid	Y	
8-5-320.4.3	Tank Fitting Requirements; Solid sampling or gauging well requirements-gap between well and roof	Y	
8-5-320.6	Tank Fitting Requirements; Emergency roof drain	Y	
8-5-320.7	Tank Fitting Requirements; Pressure relief devices	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	
8-5-328.3	Notification of degassing	N	
8-5-331	Tank Cleaning Requirements	N	
8-5-332	Sludge Handling Requirements	N	
8-5-401	Inspection Requirements for External Floating Roof Tanks	Y	

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Table IV – BB.12
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
8-5-401.1	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	Inspection, Abatement Efficiency Determination and Source Test Reports	N	
8-5-405	Information Required	Y	
8-5-411	Enhanced Monitoring Program (Applies to list of tanks chosen by facility)	N	
8-5-412	Monitoring of Leaking Pontoons	N	
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	
8-5-602	Analysis of Samples, True Vapor Pressure	Y	
8-5-604	Determination of Applicability	Y	
SIP Regulation 8, Rule 5	**Organic Compounds, Storage of Organic Liquids (6/5/03)**		
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service, Notification	Y	
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service, Tank in compliance prior to notification	Y	
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service, Minimize emissions	Y	
8-5-111.6	Limited Exemption, Tank Removal From and Return to Service, Notice of completion not required	Y	
8-5-111.7	Limited Exemption, Tank Removal From and Return to Service, Satisfy requirements of 8-5-328	Y	
8-5-112	Limited Exemption, Preventative Maintenance and Inspection of 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	
8-5-301	Storage Tank Control Requirements (internal floating roof, external floating roof, or approved emission control system)	Y	

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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
8-5-303	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	
8-5-320	Tank Fitting Requirements	Y	
8-5-320.3	Tank Fitting Requirements; Floating roof tanks, Gasketed covers, seals, lids	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	
8-5-328	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	
8-5-328.3	Notification of degassing	N	
8-5-331	Tank Cleaning Requirements	N	
8-5-332	Sludge Handling Requirements	N	
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 (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	
8-5-501	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	
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 (10/17/2000) APPLIES TO S334 (Tank 107)**		
60.110(a)	Applicability and Designation of Affected Facility; Affected facility	Y	

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Table IV – BB.12
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
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**		
The tanks in this table will be subject to the provisions of 40 CFR 63.646 and the referenced requirements of 40 CFR 63, subpart G until compliance with 40 CFR 63.660 and the referenced requirements contained in 40 CFR 63, subpart WW is demonstrated, as specified in 40 CFR 63.640(h), 63.660, and 63.1063.			
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.12
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 Effectiv e 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-- 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	

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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)(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	

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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 Effectiv e 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 (12/01/15) REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS ALSO SUBJECT TO NSPS Subparts K OR Ka**		
The tanks in this table will be subject to the provisions of 40 CFR 63.646 and the referenced requirements of 40 CFR 63, subpart G until compliance with 40 CFR 63.660 and the referenced requirements contained in 40 CFR 63, subpart WW is demonstrated, as specified in 40 CFR 63.640(h), 63.660, and 63.1063.			
63.640(c)(2)	Applicability and Designation of Storage Vessels	Y	
63.640(h)	Compliance by dates specified in Table 11, except as provided in paragraphs (h)(1) through (h)(3)	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	Upon demonstration of compliance with the standards in 63.660 by the compliance dates specified in 63.640(h), the standards in this section shall no longer apply.	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	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	

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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
63.646(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	
63.655(f)	Reporting and Recordkeeping Requirements-Notice of compliance status report requirements	Y	
63.655(f)(1)	Reporting and Recordkeeping Requirements-Notice of compliance status report requirements	Y	
63.655(f)(1)(i)	Reporting and Recordkeeping Requirements-Notice of compliance status report requirements-Reporting--storage vessels	Y	
63.655(f)(1)(i)(A)	Reporting and Recordkeeping Requirements-Notice of compliance status report requirements-Reporting--storage vessels	Y	
63.655(f)(1)(i)(A)(1)	Reporting and Recordkeeping Requirements-Notice of compliance status report requirements-Reporting--storage vessels	Y	
63.655(g)	Periodic Reporting and Recordkeeping Requirements	Y	
63.655(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	
63.655(g)(3)(i)	Periodic Reporting and Recordkeeping Requirements-storage vessels with external floating roofs	Y	
63.655(g)(3)(i)(A)	Periodic Reporting and Recordkeeping Requirements-storage vessels with external floating roofs-document results of each seal gap measurement	Y	
63.655(g)(3)(i)(B)	Periodic Reporting and Recordkeeping Requirements-storage vessels with external floating roofs – extension documentation	Y	
63.655(g)(3)(i)(C)	Periodic Reporting and Recordkeeping Requirements-storage vessels with external floating roofs – documentation of failures	Y	
63.655(g)(3)(ii)	Periodic Reporting and Recordkeeping Requirements-storage vessels with external floating roofs – documentation of failures	Y	
63.655(h)(2)	Reporting and Recordkeeping Requirements-Other reports-Storage vessel notification of inspections.	Y	
63.655(h)(2)(i)	Reporting and Recordkeeping Requirements-Other reports-Storage vessel notification of inspections – refilling Group 1 storage vessel.	Y	
63.655(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	

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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
63.655(h)(6)	Reporting and Recordkeeping Requirements-Other reports-Determination of Applicability	Y	
63.655(h)(6)(ii)	Reporting and Recordkeeping Requirements-Other reports-Determination of Applicability	Y	
63.655(i)(1)	Reporting and Recordkeeping Requirements-Recordkeeping for storage vessels – keep records specified in 63.123 (Subpart G)	Y	
63.655(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. Each owner or operator subject to the storage vessel provisions in 63.660 shall keep records as specified in paragraphs (i)(1)(v) and (vi).	Y	
63.655(i)(6)	Reporting and Recordkeeping Requirements—Recordkeeping for storage vessels-Record retention – 5 years	Y	
63.660	Storage vessel provisions. Group 1 storage vessel shall comply with the requirements in 40 CFR 63, subpart WW according to the requirements of 63.660(a) through (i).	Y	
63.660(a)	Determination of stored liquid HAP content	Y	
63.660(b)	Floating Roof Storage Vessel Requirements	Y	
63.660(c)	References	Y	
63.660(d)	Group 1 Storage Vessel Requirements	Y	
63.660(e)	Violations	Y	
63.660(g)	Notification of Compliance Status	Y	
63.660(h)	Periodic Reporting	Y	
63.660(i)	Requirements for electing to comply with subpart SS	Y	
BAAQMD Condition 22478	**Applies to S334**		
Part 4	Vapor pressure limitContents of tank limited to crude oil [Basis: BACT, cumulative increase]	Y	
Part 7	Throughput limit for S334 [Basis: cumulative increase]	Y	
Part 8b	BACT equipment requirements for S123, S124, S186, and S334 [Basis: BACT, cumulative increase]	Y	
BAAQMD Condition 26690			
Part 1	Throughput limit for source S341. [Basis: Cumulative Increase]	Y	
Part 2	Storage material vapor pressure limit for S341. [Basis: Cumulative Increase]	Y	
Part 3	Recordkeeeping for S341. [Basis: Cumulative Increase]	Y	
BAAQMD Condition 26691			
Part 1	Throughput limit for source S342. [Basis: Cumulative Increase]	Y	
Part 2	Storage material vapor pressure limit for S342. [Basis: Cumulative	Y	

IV. Source Specific Applicable Requirements

Table IV – BB.12
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 Effectiv e Date
	Increase]		
Part 3	Recordkeeeping for S342. [Basis: Cumulative Increase]	Y	

Table IV – BB.13a
Source-Specific Applicable Requirements
MACT Fixed Roof Tanks with Vapor Recovery to Fuel Gas
S139 (Tank 204), S140 (Tank 205), S168 (Tank 269), S182 (Tank 294)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce-able (Y/N)	Future Effective Date
BAAQMD Regulation 1	**General Provisions and Definitions (5/4/11)**		
1-523	Parametric Monitoring and Recordkeeping Procedures	N	
1-523.1	Parametric monitor periods of inoperation	Y	
1-523.2	Limits on periods of inoperation	Y	
1-523.3	Reports of Violations	N	
1-523.4	Records	Y	
1-523.5	Maintenance and calibration	N	
SIP Regulation 1	**General Provisions and Definitions (6/28/99)**		
1-523	Parametric Monitoring and Recordkeeping Procedures	Y[1]	
1-523.3	Reports of Violations	Y[1]	
BAAQMD Regulation 8, Rule 5	**Organic Compounds, Storage of Organic Liquids (10/18/06) REQUIREMENTS FOR FIXED ROOF TANKS**		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	N	
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO	N	
8-5-111.1.1	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO; 3 day prior notification	N	
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	N	
8-5-111.4	Limited Exemption, Tank Removal From and Return to Service; Use of vapor recovery	Y	

IV. Source Specific Applicable Requirements

TABLE IV – BB.13a
SOURCE-SPECIFIC APPLICABLE REQUIREMENTS
MACT FIXED ROOF TANKS WITH VAPOR RECOVERY TO FUEL GAS
S139 (TANK 204), S140 (TANK 205), S168 (TANK 269), S182 (TANK 294)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce-able (Y/N)	Future Effective Date
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service; Minimization of emissions	Y	
8-5-112	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation	N	
8-5-112.1	Limited Exemption, Tanks in Operation; Notice to the APCO	N	
8-5-112.1.1	Limited Exemption, Tanks in Operation; Notice to the APCO; 3 day prior notification	N	
8-5-112.1.2	Limited Exemption, Tanks in Operation; Notice to the APCO; Telephone notification	N	
8-5-112.2	Limited Exemption, Tanks in Operation; Compliance and certification before commencement of work	N	
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	N	
8-5-112.6	Tank Records	N	
8-5-301	Storage Tank Control Requirements (internal floating roof, external floating roof, or approved emission control system)	N	
8-5-303	Requirements for Pressure Vacuum Valves	N	
8-5-303.1	Requirements for Pressure Vacuum Valves; Set pressure	N	
8-5-303.2	Requirements for Pressure Vacuum Valves; Installation, maintenance, operation	N	
8-5-306	Requirements for Approved Emission Control Systems	N	
8-5-307	Requirements for Fixed Roof Tanks, Pressure Tanks, and Blanketed Tanks	N	
8-5-307.1	Shell in good condition with no leakage	Y	
8-5-328	Tank Degassing Requirements	Y	
8-5-328.1	Tank Degassing Requirements; Tanks > 75 cubic meters	N	
8-5-328.1.2	Tank Degassing Requirements; Tanks > 75 cubic meters; Concentration of <10,000 ppm as methane after degassing	N	
8-5-328.2	Tank degassing requirements; Ozone excess day prohibition	N	
8-5-328.3	Notification of degassing	N	
8-5-331	Tank Cleaning Requirements	N	
8-5-332	Sludge Handling Requirements	N	
8-5-403	Inspection Requirements for Pressure Relief Devices	N	
8-5-404	Inspection, Abatement Efficiency Determination and Source Test Reports	N	
8-5-501	Records	N	
8-5-501.1	Records; Type and amounts of liquid; true vapor pressure; Retain 24 months	N	
8-5-501.3	Records retained for 24 months	N	
8-5-501.4	Engineering data sheets showing setpoints for pressure vacuum valves installed after 6/1/07	N	

IV. Source Specific Applicable Requirements

TABLE IV – BB.13a
SOURCE-SPECIFIC APPLICABLE REQUIREMENTS
MACT FIXED ROOF TANKS WITH VAPOR RECOVERY TO FUEL GAS
S139 (TANK 204), S140 (TANK 205), S168 (TANK 269), S182 (TANK 294)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce-able (Y/N)	Future Effective Date
8-5-602	Analysis of Samples, True Vapor Pressure	N	
8-5-603	Determination of emissions	N	
8-5-603.1	Determination of Emissions; Organic compounds specified in 8-5-306	N	
8-5-604	Determination of Applicability Based on True Vapor Pressure	N	
8-5-605	Measurement of Leak Concentrations and Residual Concentrations	N	
SIP Regulation 8, Rule 5	**Organic Compounds, Storage of Organic Liquids (6/5/03)**		
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service, Notification	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, Tank in compliance prior to notification	Y	
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service, Minimize emissions	Y	
8-5-111.6	Limited Exemption, Tank Removal From and Return to Service, Notice of completion not required	Y	
8-5-111.7	Limited Exemption, Tank Removal From and Return to Service, Satisfy requirements of 8-5-328	Y	
8-5-112	Limited Exemption, Preventative Maintenance and Inspection of 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	
8-5-112.4	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 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	Y	

IV. Source Specific Applicable Requirements

TABLE IV – BB.13a
SOURCE-SPECIFIC APPLICABLE REQUIREMENTS
MACT FIXED ROOF TANKS WITH VAPOR RECOVERY TO FUEL GAS
S139 (TANK 204), S140 (TANK 205), S168 (TANK 269), S182 (TANK 294)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce-able (Y/N)	Future Effective Date
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	
8-5-328.3	Notification of degassing	N	
8-5-331	Tank Cleaning Requirements	N	
8-5-332	Sludge Handling Requirements	N	
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	
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	
NSPS Title 40 Part 60 Subpart K	**NSPS Subpart K, Standards of Performance for Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced After June 11, 1973, and Prior to May 19, 1978 (10/17/2000) (Applicable to S139 only)**		

IV. Source Specific Applicable Requirements

TABLE IV – BB.13a
SOURCE-SPECIFIC APPLICABLE REQUIREMENTS
MACT FIXED ROOF TANKS WITH VAPOR RECOVERY TO FUEL GAS
S139 (TANK 204), S140 (TANK 205), S168 (TANK 269), S182 (TANK 294)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce-able (Y/N)	Future Effective Date
40 CFR 60.111(b)	Definitions: Petroleum liquids	Y	
40 CFR 61 Subpart FF	**National Emission Standards for Benzene Waste Operations (12/04/2003)**		
40 CFR 61.343(a)	Standards: Tanks	Y	
40 CFR 61.343(a)(1)	Standards: Tanks	Y	
40 CFR 61.343(a)(1)(i)	Standards: Tanks, Fixed roof requirements	Y	
40 CFR 61.343(a)(1)(ii)	Standards: Tanks, Closed vent systems comply with 61.349	Y	
40 CFR 61.343(c)	Quarterly visual inspections	Y	
40 CFR 61.343(d)	First efforts at repair	Y	
40 CFR 61.349	Standards: Closed-vent systems and control devices	Y	
40 CFR 61.349(a)	Standards: Closed-vent systems and control devices	Y	
40 CFR 61.349(a)(1)	Closed vent system operation	Y	
40 CFR 61.349(a)(2)	Control device requirements	Y	
40 CFR 61.349(a)(2)(i)	Control device requirements: enclosed combustion device	Y	
40 CFR 61.349(b)	Operate at all times when waste is placed in waste management unit	Y	
40 CFR 61.349(c)	Control device (except flare) demonstration	Y	
40 CFR 61.349(f)	Visual inspection quarterly	Y	
40 CFR 61.349(g)	Repair period requirements	Y	
40 CFR 61.349(h)	Monitor control device in accordance with 61.354(c)	Y	
40 CFR 61.354(c)	Monitoring of Operations: Control device	Y	
40 CFR Part 63 Subpart CC	**National Emission Standards for Hazardous Air Pollutants for Petroleum Refining (12/01/15)** **EXEMPTION FOR TANKS VENTED TO FUEL GAS SYSTEM**		
40 CFR 63.640(c)(2)	Applicability and Designation of Storage Vessels	Y	
40 CFR 63.640(d)(5)	Exemption for emission points routed to fuel gas system	Y	
BAAQMD Condition 13184	**APPLIES TO S182**		
Part 1	Requirement to vent emissions to fuel gas system [Basis: Cumulative Increase]	Y	
BAAQMD Condition 22963	**APPLIES TO S139 AND S140**		
Part 3	Requirement for abatement by A7, Odor Abatement System [8-5-301, 40 CFR 61, Subpart FF]	Y	
BAAQMD Condition 23724			

IV. Source Specific Applicable Requirements

TABLE IV – BB.13a
SOURCE-SPECIFIC APPLICABLE REQUIREMENTS
MACT FIXED ROOF TANKS WITH VAPOR RECOVERY TO FUEL GAS
S139 (TANK 204), S140 (TANK 205), S168 (TANK 269), S182 (TANK 294)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce-able (Y/N)	Future Effective Date
Part 1a	Requirement for abatement by A7, Odor Abatement System [2-1-403]	Y	
Part 2	Requirement for utility-grade natural gas blanket [2-1-403]	Y	
Part 3	Requirement for pressure monitoring device for S168 and S182 by 7/5/09. [2-1-403]	Y	
Part 4	After pressure monitoring devices are installed, requirement to operate below tank set pressure [2-1-403]	Y	
Part 4a	Tank pressures for tanks subject to Regulation 8, Rule 5 [Regulation 8, Rule 5]	Y	
Part 5	Pressure relief valve setting at or above nominal set pressure	Y	
Part 6	Corrective Plan	Y	
Part 7	Pressure monitoring records [2-1-403]	Y	
Part 8	Initial date for reporting pressures in excess of nominal set pressure	Y	
Part 9	Compliance with nuisance and odor regulations [1-301, 7-301, 7-302]	Y	

Table IV – BB.13b
Source-Specific Applicable Requirements
MACT FIXED ROOF TANKS WITH VAPOR RECOVERY TO FUEL GAS
S137 (TANK 202)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce-able (Y/N)	Future Effective Date
BAAQMD Regulation 1	**General Provisions and Definitions (5/4/11)**		
1-523	Parametric Monitoring and Recordkeeping Procedures	N	
1-523.1	Parametric monitor periods of inoperation	Y	
1-523.2	Limits on periods of inoperation	Y	
1-523.3	Reports of Violations	N	
1-523.4	Records	Y	
1-523.5	Maintenance and calibration	N	
SIP Regulation 1	**General Provisions and Definitions (6/28/99)**		
1-523	Parametric Monitoring and Recordkeeping Procedures	Y[1]	
1-523.3	Reports of Violations	Y[1]	
BAAQMD Regulation 8, Rule 5	**Organic Compounds, Storage of Organic Liquids (10/18/06) REQUIREMENTS FOR FIXED ROOF TANKS**		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	N	
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO	N	

IV. Source Specific Applicable Requirements

Table IV – BB.13b
Source-Specific Applicable Requirements
MACT FIXED ROOF TANKS WITH VAPOR RECOVERY TO FUEL GAS
S137 (TANK 202)

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	N	
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	N	
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	N	
8-5-112	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation	N	
8-5-112.1	Limited Exemption, Tanks in Operation; Notice to the APCO	N	
8-5-112.1.1	Limited Exemption, Tanks in Operation; Notice to the APCO; 3 day prior notification	N	
8-5-112.1.2	Limited Exemption, Tanks in Operation; Notice to the APCO; Telephone notification	N	
8-5-112.2	Limited Exemption, Tanks in Operation; Compliance and certification before commencement of work	N	
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	N	
8-5-112.6	Records for 24 months	N	
8-5-301	Storage Tank Control Requirements (internal floating roof, external floating roof, or approved emission control system)	N	
8-5-303	Requirements for Pressure Vacuum Valves	N	
8-5-303.1	Requirements for Pressure Vacuum Valves; Set pressure	N	
8-5-303.2	Requirements for Pressure Vacuum Valves; Installation, maintenance, operation	N	
8-5-306	Requirements for Approved Emission Control Systems	N	
8-5-307	Requirements for Fixed Roof Tanks, Pressure Tanks, and Blanketed Tanks	N	
8-5-307.1	Shell in good condition with no leakage	N	
8-5-328	Tank Degassing Requirements	N	
8-5-328.1	Tank Degassing Requirements; Tanks > 75 cubic meters	N	
8-5-328.1.2	Tank Degassing Requirements; Tanks > 75 cubic meters; Concentration of <10,000 ppm as methane after degassing	N	
8-5-328.2	Tank degassing requirements; Ozone excess day prohibition	N	
8-5-328.3	Notification of degassing	N	
8-5-331	Tank Cleaning Requirements	N	
8-5-332	Sludge Handling Requirements	N	
8-5-403	Inspection Requirements for Pressure Relief Devices	N	

IV. Source Specific Applicable Requirements

Table IV – BB.13b
Source-Specific Applicable Requirements
MACT FIXED ROOF TANKS WITH VAPOR RECOVERY TO FUEL GAS
S137 (TANK 202)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce-able (Y/N)	Future Effective Date
8-5-404	Inspection, Abatement Efficiency Determination and Source Test Reports	N	
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	
SIP Regulation 8, Rule 5	**Organic Compounds, Storage of Organic Liquids (6/5/03)**		
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service, Notification	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, Tank in compliance prior to notification	Y	
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service, Minimize emissions	Y	
8-5-111.6	Limited Exemption, Tank Removal From and Return to Service, Notice of completion not required	Y	
8-5-111.7	Limited Exemption, Tank Removal From and Return to Service, Satisfy requirements of 8-5-328	Y	
8-5-112	Limited Exemption, Preventative Maintenance and Inspection of 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	
8-5-112.4	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	

IV. Source Specific Applicable Requirements

Table IV – BB.13b
Source-Specific Applicable Requirements
MACT FIXED ROOF TANKS WITH VAPOR RECOVERY TO FUEL GAS
S137 (TANK 202)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce-able (Y/N)	Future Effective Date
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	
8-5-328.3	Notification of degassing	N	
8-5-331	Tank Cleaning Requirements	N	
8-5-332	Sludge Handling Requirements	N	
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 Part 63 Subpart CC	**National Emission Standards for Hazardous Air Pollutants for Petroleum Refining (12/01/15) EXEMPTION FOR TANKS VENTED TO FUEL GAS SYSTEM**		
40 CFR 63.640(c)(2)	Applicability and Designation of Storage Vessels	Y	
40 CFR 63.640(d)(5)	Exemption for emission points routed to fuel gas system	Y	
BAAQMD Condition 22518			
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	
BAAQMD Condition 23724			
Part 1a	Requirement for abatement by A7, Odor Abatement System [2-1-403]	Y	

IV. Source Specific Applicable Requirements

Table IV – BB.13b
Source-Specific Applicable Requirements
MACT FIXED ROOF TANKS WITH VAPOR RECOVERY TO FUEL GAS
S137 (TANK 202)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce-able (Y/N)	Future Effective Date
Part 2	Requirement for utility-grade natural gas blanket [2-1-403]	Y	
Part 3	Requirement for pressure monitoring device for S137 by 7/5/09. [2-1-403]	Y	
Part 4	After pressure monitoring devices are installed, requirement to operate below tank set pressure [2-1-403]	Y	
Part 4a	Tank pressures for tanks subject to Regulation 8, Rule 5 [Regulation 8, Rule 5]	Y	
Part 5	Pressure relief valve setting at or above nominal set pressure	Y	
Part 6	Corrective Plan	Y	
Part 7	Pressure monitoring records [2-1-403]	Y	
Part 8	Initial date for reporting pressures in excess of nominal set pressure	Y	
Part 9	Compliance with nuisance and odor regulations [1-301, 7-301, 7-302]	Y	

Table IV – BB.14
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 (10/18/06) REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS**		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	N	
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service, Notification	N	
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service; Tank in compliance at time of notification	N	
8-5-111.3	Limited Exemption, Tank Removal From and Return to Service; Filling, emptying, refilling floating roof tanks	N	
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service; Minimize emissions and, if required, degas per 8-5-328	N	
8-5-111.6	Limited Exemption, Tank Removal From and Return to Service; Self report if out of compliance during exemption period	N	
8-5-112	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation	N	
8-5-112.1	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; Notification	N	

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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
8-5-112.2	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; Tank in compliance at time of notification	N	
8-5-112.3	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; No product movement, Minimize emissions	N	
8-5-112.4	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; Not to exceed 7 days	N	
8-5-112.5	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; Self report if out of compliance during exemption period	N	
8-5-112.6	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; Keep records for each exemption	N	
8-5-119	Limited Exemption, Repair Period for Enhanced Monitoring Program	N	
8-5-301	Storage Tank Control Requirements	N	
8-5-304	Requirements for External Floating Roof Tanks	N	
8-5-304.1	Requirements for External Floating Roofs; Tank fittings	Y	
8-5-304.2	Requirements for External Floating Roofs; Primary seal (8-5-321)	Y	
8-5-304.3	Requirements for External Floating Roofs; Secondary seal (8-5-322)	Y	
8-5-304.4	Requirements for External Floating Roofs; Floating roof	N	
8-5-304.5	Requirements for External Floating Roofs; Tank shell	N	
8-5-304.6	Requirements for External Floating Roofs; Pontoons – no leaks	N	
8-5-304.6.1	Requirements for External Floating Roofs; Pontoons – make gas tight if leaking	N	
8-5-304.6.2	Requirements for External Floating Roofs; Pontoons-repair all leaks at next removal from service	N	
8-5-320	Floating Roof Tank Fitting Requirements	N	
8-5-320.2	Floating Roof Tank Fitting Requirements; Projection below liquid surface	N	
8-5-320.3	Floating Roof Tank Fitting Requirements; Gasketed covers, seals, lids	N	
8-5-320.3.1	Floating Roof Tank Fitting Requirements; Gasketed covers, seals, lids - Gap requirements	Y	
8-5-320.4	Floating Roof Tank Fitting Requirements; Solid sampling or gauging wells--	N	
8-5-320.4.1	Floating Roof Tank Fitting Requirements; Solid sampling or gauging wells--projection below liquid surface	Y	
8-5-320.4.2	Floating Roof Tank Fitting Requirements; Solid sampling or gauging wells--cover, seal, or lid	Y	
8-5-320.4.3	Floating Roof Tank Fitting Requirements; Solid sampling or gauging wells-- total secondary seal gap must include well gap	Y	
8-5-320.6	Floating Roof Tank Fitting Requirements; emergency roof drains must be 90% covered	N	

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MACT ZERO-GAP EXTERNAL FLOATING ROOF WASTEWATER SLOP OIL TANK
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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce-able (Y/N)	Future Effective Date
8-5-321	Primary seal requirements	N	
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	N	
8-5-321.3.1	Primary seal requirements; Metallic-shoe-type seal requirements - geometry of shoe	N	
8-5-321.3.2	Primary seal requirements; Metallic-shoe-type seal requirements - welded tanks gap requirements	N	
8-5-322	Secondary seal requirements	N	
8-5-322.1	Secondary seal requirements; No holes, tears, or other openings	N	
8-5-322.2	Secondary seal requirements; Insertion of probes	N	
8-5-322.5	Secondary seal requirements; Gap requirements for welded external floating roof tanks with seal installed after September 4, 1985	N	
8-5-322.6	Secondary seal requirements; extent of seal	N	
8-5-328	Tank degassing requirements	N	
8-5-328.1	Tank degassing requirements; Tanks > 75 cubic meters	N	
8-5-328.2	Tank degassing requirements; Ozone Excess Day Prohibition	N	
8-5-328.3	Tank degassing requirements; BAAQMD notification required	N	
8-5-401	Inspection Requirements for External Floating Roof Tanks	N	
8-5-401.1	Inspection Requirements for External Floating Roof Tanks; Primary and Secondary Seal Inspections	N	
8-5-401.2	Inspection Requirements for External Floating Roof Tanks; Tank Fittings Inspections	N	
8-5-403.1	Inspection Requirements for Pressure Relief Devices; Pressure vacuum valves gas tight standards in 8-5-303	N	
8-5-404	Inspection, Abatement Efficiency Determination, and Source Test Reports	N	
8-5-411	Enhanced Monitoring Program (Optional)	N	
8-5-411.1	Enhanced Monitoring Program (Optional); Notify BAAQMD of tanks selected for enhanced monitoring program	N	
8-5-411.2	Enhanced Monitoring Program (Optional); Criteria for operating enhanced monitoring program	N	
8-5-411.3	Enhanced Monitoring Program (Optional); Performance requirements	N	
8-5-412	Monitoring of Leaking Pontoons	N	
8-5-501	Records	N	
8-5-501.1	Records; Type and amount of liquid, type of blanket gas, TVP- Retain 24 months	N	
8-5-501.2	Records; Internal and External Floating Roof Tanks, Seal Replacement Records- Retain 10 years	N	
8-5-501.3	Records; Retention	N	
8-5-602	Analysis of Samples, True Vapor Pressure	Y	
8-5-604	Determination of Applicability Based on True Vapor Pressure	Y	

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S133 (TANK 193)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce-able (Y/N)	Future Effective Date
8-5-605	Measurement of Leak Concentration and Residual Concentrations	N	
8-5-605.1	Measurement of Leak Concentration and Residual Concentrations; EPA method 21 Instruments	N	
8-5-605.2	Measurement of Leak Concentration and Residual Concentrations; Method 21 and tank degassing residual organic concentration measurement method	N	
SIP Regulation 8, Rule 5	**Storage of Organic Liquids (06/05/2003)**		
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	
8-5-304.4	Requirements for External Floating Roofs; Floating roof requirements	Y	
8-5-320.2	Tank Fitting Requirements; Floating roof tanks, Projection below liquid surface	Y	

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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
8-5-320.3	Tank Fitting Requirements; Floating roof tanks, Gasketed covers, seals, lids	Y	
8-5-320.4	Tank Fitting Requirements; Solid sampling or gauging well requirements in floating roof tanks	Y	
8-5-320.6	Tank Fitting Requirements; Emergency roof drain	Y	
8-5-321	Primary Seal Requirements	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, Concentration of < 10,000 ppm as methane after degasssing	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	
8-5-605	Pressure Vacuum Valve Gas Tight Determination	Y	
BAAQMD Regulation 8, Rule 8	**Organic Compounds, Wastewater (Oil-Water Separators) (9/15/04) REQUIREMENTS FOR SLOP OIL VESSELS**		

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S133 (TANK 193)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce-able (Y/N)	Future Effective Date
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	N	
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	N	
SIP Regulation 8, Rule 8	**Wastewater (Oil-Water) Separator (8/29/94)**		
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	
8-8-603	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 (10/15/03)**		
40 CFR 60.112b(a)(2)	Standards for Volatile Organic Compounds (VOC); External floating roof option	Y	
40 CFR 60.112b(a)(2)(i)	Standards for Volatile Organic Compounds (VOC); External floating roof seal requirements	Y	
40 CFR 60.112b(a)(2)(i)(A)	Standards for Volatile Organic Compounds (VOC); External floating roof primary seal requirements	Y	
40 CFR 60.112b(a)(2)(i)(B)	Standards for Volatile Organic Compounds (VOC); External floating roof secondary seal requirements	Y	
40 CFR 60.112b(a)(2)(ii)	Standards for Volatile Organic Compounds (VOC); External floating roof openings requirements	Y	
40 CFR 60.112b(a)(2)(iii)	Standards 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	

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S133 (TANK 193)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce-able (Y/N)	Future Effective Date
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	
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(b)	Reporting and Recordkeeping Requirements; 60.112b(a) external floating roof	Y	
40 CFR 61 Subpart FF	**National Emission Standards for Benzene Waste Operations (12/04/2003)**		
40 CFR 61.351(a)(2)	Alternative Standards for Tanks; External floating roof meeting the requirements of 40 CFR 60.112b(a)(2)	Y	
40 CFR 61.351(b)	Alternative Standards for Tanks; Tanks subject to 61.351 and exempt from 61.343	Y	

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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce-able (Y/N)	Future Effective Date
40 CFR 61.356(k)	Recordkeeping Requirements: Comply with recordkeeping requirements of 40 CFR 60.115b	Y	
40 CFR 61.357(f)	Reporting Requirements: : Comply with reporting requirements of 40 CFR 60.115b		
40 CFR 63, Subpart G	**SOCMI HON G (12/21/2006) REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS**		
The tanks in this table will be subject to the provisions of 40 CFR 63.646 and the referenced requirements of 40 CFR 63, subpart G until compliance with 40 CFR 63.660 and the referenced requirements contained in 40 CFR 63, subpart WW is demonstrated, as specified in 40 CFR 63.640(h), 63.660, and 63.1063.			
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	

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

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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce-able (Y/N)	Future Effectiv e Date
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 (12/01/15) REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS**		

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S133 (TANK 193)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce-able (Y/N)	Future Effective Date
The tanks in this table will be subject to the provisions of 40 CFR 63.646 and the referenced requirements of 40 CFR 63, subpart G until compliance with 40 CFR 63.660 and the referenced requirements contained in 40 CFR 63, subpart WW is demonstrated, as specified in 40 CFR 63.640(h), 63.660, and 63.1063.			
63.640(c)(2)	Applicability and Designation of Storage Vessels	Y	
63.640(h)	Compliance by dates specified in Table 11, except as provided in paragraphs (h)(1) through (h)(3)	Y	
63.646	Upon demonstration of compliance with the standards in 63.660 by the compliance dates specified in 63.640(h), the standards in this section shall no longer apply.	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	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	
63.655(f)	Reporting and Recordkeeping Requirements-Notice of compliance status report requirements	Y	
63.655(f)(1)	Reporting and Recordkeeping Requirements-Notice of compliance status report requirements	Y	
63.655(f)(1)(i)	Reporting and Recordkeeping Requirements-Notice of compliance status report requirements-Reporting--storage vessels	Y	
63.655(f)(1)(i)(A)	Reporting and Recordkeeping Requirements-Notice of compliance status report requirements-Reporting--storage vessels	Y	
63.655(f)(1)(i)(A)(1)	Reporting and Recordkeeping Requirements-Notice of compliance status report requirements-Reporting--storage vessels	Y	
63.655(g)	Periodic Reporting and Recordkeeping Requirements	Y	

IV. Source Specific Applicable Requirements

Table IV – BB.14
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
63.655(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	
63.655(g)(3)(i)	Periodic Reporting and Recordkeeping Requirements-storage vessels with external floating roofs	Y	
63.655(g)(3)(i)(A)	Periodic Reporting and Recordkeeping Requirements-storage vessels with external floating roofs-document results of each seal gap measurement	Y	
63.655(g)(3)(i)(B)	Periodic Reporting and Recordkeeping Requirements-storage vessels with external floating roofs – extension documentation	Y	
63.655(g)(3)(i)(C)	Periodic Reporting and Recordkeeping Requirements-storage vessels with external floating roofs – documentation of failures	Y	
40 CFR 63.655(g)(3)(ii)	Periodic Reporting and Recordkeeping Requirements-storage vessels with external floating roofs – documentation of failures	Y	
63.655(h)(2)	Reporting and Recordkeeping Requirements-Other reports-Storage vessel notification of inspections.	Y	
63.655(h)(2)(i)	Reporting and Recordkeeping Requirements-Other reports-Storage vessel notification of inspections – refilling Group 1 storage vessel.	Y	
63.655(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	
63.655(h)(6)	Reporting and Recordkeeping Requirements-Other reports-Determination of Applicability	Y	
63.655(h)(6)(ii)	Reporting and Recordkeeping Requirements-Other reports-Determination of Applicability	Y	
63.655(i)(1)	Reporting and Recordkeeping Requirements-Recordkeeping for storage vessels – keep records specified in 63.123 (Subpart G)	Y	
63.655(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. Each owner or operator subject to the storage vessel provisions in 63.660 shall keep records as specified in paragraphs (i)(1)(v) and (vi).	Y	
63.655(i)(6)	Reporting and Recordkeeping Requirements—Recordkeeping for storage vessels-Record retention – 5 years	Y	
63.660	Storage vessel provisions. Group 1 storage vessel shall comply with the requirements in 40 CFR 63, subpart WW according to the requirements of 63.660(a) through (i).	Y	
63.660(a)	Determination of stored liquid HAP content	Y	
63.660(b)	Floating Roof Storage Vessel Requirements	Y	
63.660(c)	References	Y	
63.660(d)	Group 1 Storage Vessel Requirements	Y	

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Table IV – BB.14
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
63.660(e)	Violations	Y	
63.660(g)	Notification of Compliance Status	Y	
63.660(h)	Periodic Reporting	Y	
63.660(i)	Requirements for electing to comply with subpart SS	Y	
BAAQMD Condition 20989, Part A	Throughput limits for source S133 [Basis: 2-1-234.3]	Y	

Table IV – BB.15
Source-Specific Applicable Requirements
NSPS KA EXTERNAL FLOATING ROOF TANK WITH 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 (10/18/06) REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS**		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	N	
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service, Notification	N	
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service; Tank in compliance at time of notification	N	
8-5-111.3	Limited Exemption, Tank Removal From and Return to Service; Filling, emptying, refilling floating roof tanks	N	
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service; Minimize emissions and, if required, degas per 8-5-328	N	
8-5-111.6	Limited Exemption, Tank Removal From and Return to Service; Self report if out of compliance during exemption period	N	
8-5-112	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation	N	
8-5-112.1	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; Notification	N	
8-5-112.2	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; Tank in compliance at time of notification	N	
8-5-112.3	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; No product movement, Minimize emissions	N	
8-5-112.4	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; Not to exceed 7 days	N	

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Table IV – BB.15
Source-Specific Applicable Requirements
NSPS KA EXTERNAL FLOATING ROOF TANK WITH ZERO-GAP SEALS
S340 (TANK 108)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce-able (Y/N)	Future Effective Date
8-5-112.5	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; Self report if out of compliance during exemption period	N	
8-5-112.6	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; Keep records for each exemption	N	
8-5-119	Limited Exemption, Repair Period for Enhanced Monitoring Program	N	
8-5-301	Storage Tank Control Requirements	N	
8-5-304	Requirements for External Floating Roof Tanks	N	
8-5-304.1	Requirements for External Floating Roofs; Tank fittings	Y	
8-5-304.2	Requirements for External Floating Roofs; Primary seal (8-5-321)	Y	
8-5-304.3	Requirements for External Floating Roofs; Secondary seal (8-5-322)	Y	
8-5-304.4	Requirements for External Floating Roofs; Floating roof	N	
8-5-304.5	Requirements for External Floating Roofs; Tank shell	N	
8-5-304.6	Requirements for External Floating Roofs; Pontoons – no leaks	N	
8-5-304.6.1	Requirements for External Floating Roofs; Pontoons – make gas tight if leaking	N	
8-5-304.6.2	Requirements for External Floating Roofs; Pontoons-repair all leaks at next removal from service	N	
8-5-320	Floating Roof Tank Fitting Requirements	N	
8-5-320.2	Floating Roof Tank Fitting Requirements; Projection below liquid surface	N	
8-5-320.3	Floating Roof Tank Fitting Requirements; Gasketed covers, seals, lids	N	
8-5-320.3.1	Floating Roof Tank Fitting Requirements; Gasketed covers, seals, lids - Gap requirements	Y	
8-5-320.4	Floating Roof Tank Fitting Requirements; Solid sampling or gauging wells--	N	
8-5-320.4.1	Floating Roof Tank Fitting Requirements; Solid sampling or gauging wells--projection below liquid surface	Y	
8-5-320.4.2	Floating Roof Tank Fitting Requirements; Solid sampling or gauging wells--cover, seal, or lid	Y	
8-5-320.4.3	Floating Roof Tank Fitting Requirements; Solid sampling or gauging wells-- total secondary seal gap must include well gap	Y	
8-5-320.6	Floating Roof Tank Fitting Requirements; emergency roof drains must be 90% covered	N	
8-5-321	Primary seal requirements	N	
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	N	

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Table IV – BB.15
Source-Specific Applicable Requirements
NSPS KA EXTERNAL FLOATING ROOF TANK WITH ZERO-GAP SEALS
S340 (TANK 108)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce-able (Y/N)	Future Effective Date
8-5-321.3.1	Primary seal requirements; Metallic-shoe-type seal requirements - geometry of shoe	N	
8-5-321.3.2	Primary seal requirements; Metallic-shoe-type seal requirements - welded tanks gap requirements	N	
8-5-322	Secondary seal requirements	N	
8-5-322.1	Secondary seal requirements; No holes, tears, or other openings	N	
8-5-322.2	Secondary seal requirements; Insertion of probes	N	
8-5-322.3	Secondary seal requirements; Gap requirements for all tanks	N	
8-5-322.5	Secondary seal requirements; Gap requirements for welded external floating roof tanks with seal installed after September 4, 1985	N	
8-5-322.6	Secondary seal requirements; extent of seal	N	
8-5-328	Tank degassing requirements	N	
8-5-328.1	Tank degassing requirements; Tanks > 75 cubic meters	N	
8-5-328.2	Tank degassing requirements; Ozone Excess Day Prohibition	N	
8-5-328.3	Tank degassing requirements; BAAQMD notification required	N	
8-5-401	Inspection Requirements for External Floating Roof Tanks	N	
8-5-401.1	Inspection Requirements for External Floating Roof Tanks; Primary and Secondary Seal Inspections	N	
8-5-401.2	Inspection Requirements for External Floating Roof Tanks; Tank Fittings Inspections	N	
8-5-404	Inspection, Abatement Efficiency Determination, and Source Test Reports	N	
8-5-411	Enhanced Monitoring Program (Optional)	N	
8-5-411.1	Enhanced Monitoring Program (Optional); Notify BAAQMD of tanks selected for enhanced monitoring program	N	
8-5-411.2	Enhanced Monitoring Program (Optional); Criteria for operating enhanced monitoring program	N	
8-5-411.3	Enhanced Monitoring Program (Optional); Performance requirements	N	
8-5-412	Monitoring of Leaking Pontoons	N	
8-5-501	Records	N	
8-5-501.1	Records; Type and amount of liquid, type of blanket gas, TVP- Retain 24 months	N	
8-5-501.2	Records; Internal and External Floating Roof Tanks, Seal Replacement Records- Retain 10 years	N	
8-5-501.3	Records; Retention	N	
8-5-602	Analysis of Samples, True Vapor Pressure	Y	
8-5-604	Determination of Applicability Based on True Vapor Pressure	Y	
8-5-605	Measurement of Leak Concentration and Residual Concentrations	N	
8-5-605.1	Measurement of Leak Concentration and Residual Concentrations; EPA method 21 Instruments	N	

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Table IV – BB.15
Source-Specific Applicable Requirements
NSPS KA EXTERNAL FLOATING ROOF TANK WITH ZERO-GAP SEALS
S340 (TANK 108)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce-able (Y/N)	Future Effective Date
8-5-605.2	Measurement of Leak Concentration and Residual Concentrations; Method 21 and tank degassing residual organic concentration measurement method	N	
SIP Regulation 8, Rule 5	**Storage of Organic Liquids (06/05/03)**		
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 per 8-5-404	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	
8-5-304.4	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	

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Table IV – BB.15
Source-Specific Applicable Requirements
NSPS KA EXTERNAL FLOATING ROOF TANK WITH 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	Tank fitting requirements – Floating roof tanks, Gasketed covers, seals, lids –	Y	
8-5-320.4	Tank Fitting Requirements; Solid sampling or gauging well requirements in floating roof tanks	Y	
8-5-320.6	Tank Fitting Requirements; Emergency roof drain	Y	
8-5-321	Primary seal requirements	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 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	
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	

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Table IV – BB.15
Source-Specific Applicable Requirements
NSPS KA EXTERNAL FLOATING ROOF TANK WITH ZERO-GAP SEALS
S340 (TANK 108)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce-able (Y/N)	Future Effective Date
40 CFR 63, Subpart G	**SOCMI HON G (12/21/06) REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS**		
The tanks in this table will be subject to the provisions of 40 CFR 63.646 and the referenced requirements of 40 CFR 63, subpart G until compliance with 40 CFR 63.660 and the referenced requirements contained in 40 CFR 63, subpart WW is demonstrated, as specified in 40 CFR 63.640(h), 63.660, and 63.1063.			
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--External FR with double seals - secondary seal gap measurement – annual requirement	Y	

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Table IV – BB.15
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NSPS KA EXTERNAL FLOATING ROOF TANK WITH ZERO-GAP SEALS
S340 (TANK 108)

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

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NSPS KA EXTERNAL FLOATING ROOF TANK WITH ZERO-GAP SEALS
S340 (TANK 108)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce-able (Y/N)	Future Effective Date
	or inspect the tank – complete measurements or inspection within 30 days after determining roof is unsafe or comply with 63.120(b)(7)(ii)		
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 (012/01/15) REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS ALSO SUBJECT TO NSPS, Subparts K or Ka**		

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Table IV – BB.15
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NSPS KA EXTERNAL FLOATING ROOF TANK WITH ZERO-GAP SEALS
S340 (TANK 108)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce-able (Y/N)	Future Effective Date
The tanks in this table will be subject to the provisions of 40 CFR 63.646 and the referenced requirements of 40 CFR 63, subpart G until compliance with 40 CFR 63.660 and the referenced requirements contained in 40 CFR 63, subpart WW is demonstrated, as specified in 40 CFR 63.640(h), 63.660, and 63.1063.			
63.640(c)(2)	Applicability and Designation of Storage Vessels	Y	
63.640(h)	Compliance by dates specified in Table 11, except as provided in paragraphs (h)(1) through (h)(3)	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	Upon demonstration of compliance with the standards in 63.660 by the compliance dates specified in 63.640(h), the standards in this section shall no longer apply.	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	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	
63.655(f)	Reporting and Recordkeeping Requirements-Notice of compliance status report requirements	Y	
63.655(f)(1)	Reporting and Recordkeeping Requirements-Notice of compliance status report requirements	Y	
63.655(f)(1)(i)	Reporting and Recordkeeping Requirements-Notice of compliance status report requirements-Reporting--storage vessels	Y	
63.655(f)(1)(i)(A)	Reporting and Recordkeeping Requirements-Notice of compliance status report requirements-Reporting--storage vessels	Y	

IV. Source Specific Applicable Requirements

Table IV – BB.15
Source-Specific Applicable Requirements
NSPS KA EXTERNAL FLOATING ROOF TANK WITH ZERO-GAP SEALS
S340 (TANK 108)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce-able (Y/N)	Future Effective Date
63.655(f)(1)(i)(A)(1)	Reporting and Recordkeeping Requirements-Notice of compliance status report requirements-Reporting--storage vessels	Y	
63.655(g)	Periodic Reporting and Recordkeeping Requirements	Y	
63.655(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	
63.655(g)(3)(i)	Periodic Reporting and Recordkeeping Requirements-storage vessels with external floating roofs	Y	
63.655(g)(3)(i)(A)	Periodic Reporting and Recordkeeping Requirements-storage vessels with external floating roofs-document results of each seal gap measurement	Y	
63.655(g)(3)(i)(B)	Periodic Reporting and Recordkeeping Requirements-storage vessels with external floating roofs – extension documentation	Y	
63.655(g)(3)(i)(C)	Periodic Reporting and Recordkeeping Requirements-storage vessels with external floating roofs – documentation of failures	Y	
63.655(g)(3)(ii)	Periodic Reporting and Recordkeeping Requirements-storage vessels with external floating roofs – documentation of failures	Y	
63.655(h)(2)	Reporting and Recordkeeping Requirements-Other reports-Storage vessel notification of inspections.	Y	
63.655(h)(2)(i)	Reporting and Recordkeeping Requirements-Other reports-Storage vessel notification of inspections – refilling Group 1 storage vessel.	Y	
63.655(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	
63.655(h)(6)	Reporting and Recordkeeping Requirements-Other reports-Determination of Applicability	Y	
63.655(h)(6)(ii)	Reporting and Recordkeeping Requirements-Other reports-Determination of Applicability	Y	
63.655(i)(1)	Reporting and Recordkeeping Requirements-Recordkeeping for storage vessels – keep records specified in 63.123 (Subpart G)	Y	
63.655(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. Each owner or operator subject to the storage vessel provisions in 63.660 shall keep records as specified in paragraphs (i)(1)(v) and (vi).	Y	
63.655(i)(6)	Reporting and Recordkeeping Requirements—Recordkeeping for storage vessels-Record retention – 5 years	Y	
63.660	Storage vessel provisions. Group 1 storage vessel shall comply with the requirements in 40 CFR 63, subpart WW according to the requirements of 63.660(a) through (i).	Y	
63.660(a)	Determination of stored liquid HAP content	Y	

IV. Source Specific Applicable Requirements

Table IV – BB.15
Source-Specific Applicable Requirements
NSPS KA EXTERNAL FLOATING ROOF TANK WITH ZERO-GAP SEALS
S340 (TANK 108)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce-able (Y/N)	Future Effective Date
63.660(b)	Floating Roof Storage Vessel Requirements	Y	
63.660(c)	References	Y	
63.660(d)	Group 1 Storage Vessel Requirements	Y	
63.660(e)	Violations	Y	
63.660(g)	Notification of Compliance Status	Y	
63.660(h)	Periodic Reporting	Y	
63.660(i)	Requirements for electing to comply with subpart SS	Y	
BAAQMD Condition 25223			
Part 1	Throughput limit [cumulative increase]	Y	
Part 2	Crude oil or petroleum liquids under 3.0 psia [BACT]	Y	
Part 3	Equipment requirements [BACT, cumulative increase]	Y	
Part 4	Records [cumulative increase]	Y	

Table IV – BB.16
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 (10/18/06) REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS**		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	N	
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service, Notification	N	
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service; Tank in compliance at time of notification	N	
8-5-111.3	Limited Exemption, Tank Removal From and Return to Service; Filling, emptying, refilling floating roof tanks	N	
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service; Minimize emissions and, if required, degas per 8-5-328	N	
8-5-111.6	Limited Exemption, Tank Removal From and Return to Service; Self report if out of compliance during exemption period	N	
8-5-112	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation	N	

IV. Source Specific Applicable Requirements

Table IV – BB.16
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
8-5-112.1	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; Notification	N	
8-5-112.2	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; Tank in compliance at time of notification	N	
8-5-112.3	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; No product movement, Minimize emissions	N	
8-5-112.4	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; Not to exceed 7 days	N	
8-5-112.5	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; Self report if out of compliance during exemption period	N	
8-5-112.6	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; Keep records for each exemption	N	
8-5-119	Limited Exemption, Repair Period for Enhanced Monitoring Program	N	
8-5-301	Storage Tank Control Requirements	N	
8-5-304	Requirements for External Floating Roof Tanks	N	
8-5-304.1	Requirements for External Floating Roofs; Tank fittings	Y	
8-5-304.2	Requirements for External Floating Roofs; Primary seal (8-5-321)	Y	
8-5-304.3	Requirements for External Floating Roofs; Secondary seal (8-5-322)	Y	
8-5-304.4	Requirements for External Floating Roofs; Floating roof	N	
8-5-304.5	Requirements for External Floating Roofs; Tank shell	N	
8-5-304.6	Requirements for External Floating Roofs; Pontoons – no leaks	N	
8-5-304.6.1	Requirements for External Floating Roofs; Pontoons – make gas tight if leaking	N	
8-5-304.6.2	Requirements for External Floating Roofs; Pontoons-repair all leaks at next removal from service	N	
8-5-320	Floating Roof Tank Fitting Requirements	N	
8-5-320.2	Floating Roof Tank Fitting Requirements; Projection below liquid surface	N	
8-5-320.3	Floating Roof Tank Fitting Requirements; Gasketed covers, seals, lids	N	
8-5-320.3.1	Floating Roof Tank Fitting Requirements; Gasketed covers, seals, lids - Gap requirements	Y	
8-5-320.4	Floating Roof Tank Fitting Requirements; Solid sampling or gauging wells--	N	
8-5-320.4.1	Floating Roof Tank Fitting Requirements; Solid sampling or gauging wells--projection below liquid surface	Y	
8-5-320.4.2	Floating Roof Tank Fitting Requirements; Solid sampling or gauging wells--cover, seal, or lid	Y	
8-5-320.4.3	Floating Roof Tank Fitting Requirements; Solid sampling or gauging wells-- total secondary seal gap must include well gap	Y	

IV. Source Specific Applicable Requirements

Table IV – BB.16
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
8-5-320.6	Floating Roof Tank Fitting Requirements; emergency roof drains must be 90% covered	N	
8-5-321	Primary seal requirements	N	
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	N	
8-5-321.3.1	Primary seal requirements; Metallic-shoe-type seal requirements - geometry of shoe	N	
8-5-321.3.2	Primary seal requirements; Metallic-shoe-type seal requirements - welded tanks gap requirements	N	
8-5-322	Secondary seal requirements	N	
8-5-322.1	Secondary seal requirements; No holes, tears, or other openings	N	
8-5-322.2	Secondary seal requirements; Insertion of probes	N	
8-5-322.3	Secondary seal requirements; Gap requirements for all tanks	N	
8-5-322.5	Secondary seal requirements; Gap requirements for welded external floating roof tanks with seal installed after September 4, 1985	N	
8-5-322.6	Secondary seal requirements; extent of seal	N	
8-5-328	Tank degassing requirements	N	
8-5-328.1	Tank degassing requirements; Tanks > 75 cubic meters	N	
8-5-328.2	Tank degassing requirements; Ozone Excess Day Prohibition	N	
8-5-328.3	Tank degassing requirements; BAAQMD notification required	N	
8-5-401	Inspection Requirements for External Floating Roof Tanks	N	
8-5-401.1	Inspection Requirements for External Floating Roof Tanks; Primary and Secondary Seal Inspections	N	
8-5-401.2	Inspection Requirements for External Floating Roof Tanks; Tank Fittings Inspections	N	
8-5-404	Inspection, Abatement Efficiency Determination, and Source Test Reports	N	
8-5-411	Enhanced Monitoring Program (Optional)	N	
8-5-411.1	Enhanced Monitoring Program (Optional); Notify BAAQMD of tanks selected for enhanced monitoring program	N	
8-5-411.2	Enhanced Monitoring Program (Optional); Criteria for operating enhanced monitoring program	N	
8-5-411.3	Enhanced Monitoring Program (Optional); Performance requirements	N	
8-5-412	Monitoring of Leaking Pontoons	N	
8-5-501	Records	N	
8-5-501.1	Records; Type and amount of liquid, type of blanket gas, TVP- Retain 24 months	N	
8-5-501.2	Records; Internal and External Floating Roof Tanks, Seal Replacement Records- Retain 10 years	N	
8-5-501.3	Records; Retention	N	
8-5-602	Analysis of Samples, True Vapor Pressure	Y	

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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
8-5-604	Determination of Applicability Based on True Vapor Pressure	Y	
8-5-605	Measurement of Leak Concentration and Residual Concentrations (applicable to S125 (Tank 170))	N	
8-5-605.1	Measurement of Leak Concentration and Residual Concentrations; EPA method 21 Instruments (applicable to S125 (Tank 170))	N	
8-5-605.2	Measurement of Leak Concentration and Residual Concentrations; Method 21 and tank degassing residual organic concentration measurement method (applicable to S125 (Tank 170))	N	
SIP Regulation 8, Rule 5	**Storage of Organic Liquids (06/6/03)**		
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 per 8-5-404	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	

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Table IV – BB.16
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
8-5-304.4	Requirements for External Floating Roofs; Floating roof requirements	Y	
8-5-320	Tank fitting requirements – Floating roof tanks	Y	
8-5-320.2	Tank fitting requirements – Floating roof tanks, Projection below liquid surface	Y	
8-5-320.3	Tank fitting requirements – Floating roof tanks, Gasketed covers, seals, lids –	Y	
8-5-320.4	Tank Fitting Requirements; Solid sampling or gauging well requirements in floating roof tanks	Y	
8-5-320.6	Tank Fitting Requirements; Emergency roof drain	Y	
8-5-321	Primary seal requirements	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	
8-5-404	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	

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Table IV – BB.16
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
8-5-605	Pressure-Vacuum Valve Gas Tight Determination (applicable to S125 (Tank 170))	Y	
40 CFR 63, Subpart G	**SOCMI HON G (12/21/2006) REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS**		
The tanks in this table will be subject to the provisions of 40 CFR 63.646 and the referenced requirements of 40 CFR 63, subpart G until compliance with 40 CFR 63.660 and the referenced requirements contained in 40 CFR 63, subpart WW is demonstrated, as specified in 40 CFR 63.640(h), 63.660, and 63.1063.			
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--External FR with double seals - secondary seal gap measurement – annual requirement	Y	

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Table IV – BB.16
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)(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	

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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)(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 (12/01/15) REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS**		
The tanks in this table will be subject to the provisions of 40 CFR 63.646 and the referenced requirements of 40 CFR 63, subpart G until compliance with 40 CFR 63.660 and the referenced requirements contained in 40 CFR 63, subpart WW is demonstrated, as specified in 40 CFR 63.640(h), 63.660, and 63.1063.			
63.640(c)(2)	Applicability and Designation of Storage Vessels	Y	
63.640(h)	Compliance by dates specified in Table 11, except as provided in paragraphs (h)(1) through (h)(3)	Y	

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Table IV – BB.16
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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
63.646	Upon demonstration of compliance with the standards in 63.660 by the compliance dates specified in 63.640(h), the standards in this section shall no longer apply.	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	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	
63.655(f)	Reporting and Recordkeeping Requirements-Notice of compliance status report requirements	Y	
63.655(f)(1)	Reporting and Recordkeeping Requirements-Notice of compliance status report requirements	Y	
63.655(f)(1)(i)	Reporting and Recordkeeping Requirements-Notice of compliance status report requirements-Reporting--storage vessels	Y	
63.655(f)(1)(i)(A)	Reporting and Recordkeeping Requirements-Notice of compliance status report requirements-Reporting--storage vessels	Y	
63.655(f)(1)(i)(A)(1)	Reporting and Recordkeeping Requirements-Notice of compliance status report requirements-Reporting--storage vessels	Y	
63.655(g)	Periodic Reporting and Recordkeeping Requirements	Y	
63.655(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	
63.655(g)(3)(i)	Periodic Reporting and Recordkeeping Requirements-storage vessels with external floating roofs	Y	

IV. Source Specific Applicable Requirements

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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
63.655(g)(3)(i)(A)	Periodic Reporting and Recordkeeping Requirements-storage vessels with external floating roofs-document results of each seal gap measurement	Y	
63.655(g)(3)(i)(B)	Periodic Reporting and Recordkeeping Requirements-storage vessels with external floating roofs – extension documentation	Y	
63.655(g)(3)(i)(C)	Periodic Reporting and Recordkeeping Requirements-storage vessels with external floating roofs – documentation of failures	Y	
63.655(g)(3)(ii)	Periodic Reporting and Recordkeeping Requirements-storage vessels with external floating roofs – documentation of failures	Y	
63.655(h)(2)	Reporting and Recordkeeping Requirements-Other reports-Storage vessel notification of inspections.	Y	
63.655(h)(2)(i)	Reporting and Recordkeeping Requirements-Other reports-Storage vessel notification of inspections – refilling Group 1 storage vessel.	Y	
63.655(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	
63.655(h)(6)	Reporting and Recordkeeping Requirements-Other reports-Determination of Applicability	Y	
63.655(h)(6)(ii)	Reporting and Recordkeeping Requirements-Other reports-Determination of Applicability	Y	
63.655(i)(1)	Reporting and Recordkeeping Requirements-Recordkeeping for storage vessels – keep records specified in 63.123 (Subpart G)	Y	
63.655(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. Each owner or operator subject to the storage vessel provisions in 63.660 shall keep records as specified in paragraphs (i)(1)(v) and (vi).	Y	
63.655(i)(6)	Reporting and Recordkeeping Requirements—Recordkeeping for storage vessels-Record retention – 5 years	Y	
63.660	Storage vessel provisions. Group 1 storage vessel shall comply with the requirements in 40 CFR 63, subpart WW according to the requirements of 63.660(a) through (i).	Y	
63.660(a)	Determination of stored liquid HAP content	Y	
63.660(b)	Floating Roof Storage Vessel Requirements	Y	
63.660(c)	References	Y	
63.660(d)	Group 1 Storage Vessel Requirements	Y	
63.660(e)	Violations	Y	
63.660(g)	Notification of Compliance Status	Y	
63.660(h)	Periodic Reporting	Y	
63.660(i)	Requirements for electing to comply with subpart SS	Y	

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Table IV – BB.16
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 Condition 20989, Part A	Throughput limits for sources S113, S125 [Basis: 2-1-234.3]	N	
BAAQMD Condition 20989, Part A	Throughput limits for sources S183, S184 [Basis: 2-1-234.3]	Y	
BAAAQMD Condition 25478	Applies to S261		
Part 1	Throughput limit [Basis: Cumulative Increase]	Y	
Part 2	Equipment requirements [Basis: Cumulative Increase]	Y	
Part 3	Records [Basis: Cumulative Increase]	Y	

Table IV – BB.17
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 (10/18/06) REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS**		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	N	
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service, Notification	N	
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service; Tank in compliance at time of notification	N	
8-5-111.3	Limited Exemption, Tank Removal From and Return to Service; Filling, emptying, refilling floating roof tanks	N	
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service; Minimize emissions and, if required, degas per 8-5-328	N	
8-5-111.6	Limited Exemption, Tank Removal From and Return to Service; Self report if out of compliance during exemption period	N	
8-5-112	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation	N	
8-5-112.1	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; Notification	N	
8-5-112.2	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; Tank in compliance at time of notification	N	

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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
8-5-112.3	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; No product movement, Minimize emissions	N	
8-5-112.4	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; Not to exceed 7 days	N	
8-5-112.5	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; Self report if out of compliance during exemption period	N	
8-5-112.6	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; Keep records for each exemption	N	
8-5-119	Limited Exemption, Repair Period for Enhanced Monitoring Program	N	
8-5-301	Storage Tank Control Requirements	N	
8-5-304	Requirements for External Floating Roof Tanks	N	
8-5-304.1	Requirements for External Floating Roofs; Tank fittings	Y	
8-5-304.2	Requirements for External Floating Roofs; Primary seal (8-5-321)	Y	
8-5-304.3	Requirements for External Floating Roofs; Secondary seal (8-5-322)	Y	
8-5-304.4	Requirements for External Floating Roofs; Floating roof	N	
8-5-304.5	Requirements for External Floating Roofs; Tank shell	N	
8-5-304.6	Requirements for External Floating Roofs; Pontoons – no leaks	N	
8-5-304.6.1	Requirements for External Floating Roofs; Pontoons – make gas tight if leaking	N	
8-5-304.6.2	Requirements for External Floating Roofs; Pontoons-repair all leaks at next removal from service	N	
8-5-320	Floating Roof Tank Fitting Requirements	N	
8-5-320.2	Floating Roof Tank Fitting Requirements; Projection below liquid surface	N	
8-5-320.3	Floating Roof Tank Fitting Requirements; Gasketed covers, seals, lids	N	
8-5-320.3.1	Floating Roof Tank Fitting Requirements; Gasketed covers, seals, lids - Gap requirements	Y	
8-5-320.4	Floating Roof Tank Fitting Requirements; Solid sampling or gauging wells--	N	
8-5-320.4.1	Floating Roof Tank Fitting Requirements; Solid sampling or gauging wells--projection below liquid surface	Y	
8-5-320.4.2	Floating Roof Tank Fitting Requirements; Solid sampling or gauging wells--cover, seal, or lid	Y	
8-5-320.4.3	Floating Roof Tank Fitting Requirements; Solid sampling or gauging wells-- total secondary seal gap must include well gap	Y	
8-5-320.6	Floating Roof Tank Fitting Requirements; emergency roof drains must be 90% covered	N	
8-5-321	Primary seal requirements	N	
8-5-321.1	Primary seal requirements; No holes, tears, or other openings	Y	
8-5-321.2	Primary seal requirements; The seal shall be metallic shoe or liquid mounted except as provided in 8-5-305.1.3	Y	

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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
8-5-321.3	Primary seal requirements; Metallic-shoe-type seal requirements	N	
8-5-321.3.1	Primary seal requirements; Metallic-shoe-type seal requirements - geometry of shoe	N	
8-5-321.3.3	Primary seal requirements; Metallic-shoe-type seal requirements – riveted tanks gap requirements	N	
8-5-322	Secondary seal requirements	N	
8-5-322.1	Secondary seal requirements; No holes, tears, or other openings	N	
8-5-322.2	Secondary seal requirements; Insertion of probes	N	
8-5-322.3	Secondary seal requirements; Gap requirements for all tanks	N	
8-5-322.4	Secondary seal requirements; Riveted tanks	Y	
8-5-322.6	Secondary seal requirements; extent of seal	N	
8-5-328	Tank degassing requirements	N	
8-5-328.1	Tank degassing requirements; Tanks > 75 cubic meters	N	
8-5-328.2	Tank degassing requirements; Ozone Excess Day Prohibition	N	
8-5-328.3	Tank degassing requirements; BAAQMD notification required	N	
8-5-401	Inspection Requirements for External Floating Roof Tanks	N	
8-5-401.1	Inspection Requirements for External Floating Roof Tanks; Primary and Secondary Seal Inspections	N	
8-5-401.2	Inspection Requirements for External Floating Roof Tanks; Tank Fittings Inspections	N	
8-5-404	Inspection, Abatement Efficiency Determination, and Source Test Reports	N	
8-5-411	Enhanced Monitoring Program (Optional)	N	
8-5-411.1	Enhanced Monitoring Program (Optional); Notify BAAQMD of tanks selected for enhanced monitoring program	N	
8-5-411.2	Enhanced Monitoring Program (Optional); Criteria for operating enhanced monitoring program	N	
8-5-411.3	Enhanced Monitoring Program (Optional); Performance requirements	N	
8-5-412	Monitoring of Leaking Pontoons	N	
8-5-501	Records	N	
8-5-501.1	Records; Type and amount of liquid, type of blanket gas, TVP- Retain 24 months	N	
8-5-501.2	Records; Internal and External Floating Roof Tanks, Seal Replacement Records- Retain 10 years	N	
8-5-501.3	Records; Retention	N	
8-5-602	Analysis of Samples, True Vapor Pressure	Y	
8-5-604	Determination of Applicability Based on True Vapor Pressure	Y	
8-5-605	Measurement of Leak Concentration and Residual Concentrations	N	
8-5-605.1	Measurement of Leak Concentration and Residual Concentrations; EPA method 21 Instruments	N	
8-5-605.2	Measurement of Leak Concentration and Residual Concentrations; Method 21 and tank degassing residual organic concentration measurement method	N	

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Table IV – BB.17
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RIVETED MACT EXTERNAL FLOATING ROOF TANK
S216 (TANK 695A)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
SIP Regulation 8, Rule 5	**Storage of Organic Liquids (06/5//03)**		
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 per 8-5-404	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	
8-5-304.4	Requirements for External Floating Roofs; Floating roof requirements	Y	
8-5-320	Tank fitting requirements – Floating roof tanks	Y	
8-5-320.2	Tank fitting requirements – Floating roof tanks, Projection below liquid surface	Y	
8-5-320.3	Tank fitting requirements – Floating roof tanks, Gasketed covers, seals, lids	Y	
8-5-320.4	Tank Fitting Requirements; Solid sampling or gauging well requirements in floating roof tanks	Y	
8-5-320.6	Tank Fitting Requirements; Emergency roof drain	Y	

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Table IV – BB.17
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
8-5-321	Primary seal requirements	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	
8-5-322.6	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	
40 CFR 63, Subpart G	**SOCMI HON G (12/21/2006) REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS**		
The tanks in this table will be subject to the provisions of 40 CFR 63.646 and the referenced requirements of 40 CFR 63, subpart G until compliance with 40 CFR 63.660 and the referenced requirements contained in 40 CFR 63, subpart WW is demonstrated, as specified in 40 CFR 63.640(h), 63.660, and 63.1063.			
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	

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

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Table IV – BB.17
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)(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 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	

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S216 (TANK 695A)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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 (12/01/15)** **REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS**		
The tanks in this table will be subject to the provisions of 40 CFR 63.646 and the referenced requirements of 40 CFR 63, subpart G until compliance with 40 CFR 63.660 and the referenced requirements contained in 40 CFR 63, subpart WW is demonstrated, as specified in 40 CFR 63.640(h), 63.660, and 63.1063.			
63.640(c)(2)	Applicability and Designation of Storage Vessels	Y	
63.640(h)	Compliance by dates specified in Table 11, except as provided in paragraphs (h)(1) through (h)(3)	Y	
63.646	Upon demonstration of compliance with the standards in 63.660 by the compliance dates specified in 63.640(h), the standards in this section shall no longer apply.	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	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	

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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(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	
63.655(f)	Reporting and Recordkeeping Requirements-Notice of compliance status report requirements	Y	
63.655(f)(1)	Reporting and Recordkeeping Requirements-Notice of compliance status report requirements	Y	
63.655(f)(1)(i)	Reporting and Recordkeeping Requirements-Notice of compliance status report requirements-Reporting--storage vessels	Y	
63.655(f)(1)(i)(A)	Reporting and Recordkeeping Requirements-Notice of compliance status report requirements-Reporting--storage vessels	Y	
63.655(f)(1)(i)(A)(1)	Reporting and Recordkeeping Requirements-Notice of compliance status report requirements-Reporting--storage vessels	Y	
63.655(g)	Periodic Reporting and Recordkeeping Requirements	Y	
63.655(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	
63.655(g)(3)(i)	Periodic Reporting and Recordkeeping Requirements-storage vessels with external floating roofs	Y	
63.655(g)(3)(i)(A)	Periodic Reporting and Recordkeeping Requirements-storage vessels with external floating roofs-document results of each seal gap measurement	Y	
63.655(g)(3)(i)(B)	Periodic Reporting and Recordkeeping Requirements-storage vessels with external floating roofs – extension documentation	Y	
63.655(g)(3)(i)(C)	Periodic Reporting and Recordkeeping Requirements-storage vessels with external floating roofs – documentation of failures	Y	
63.655(g)(3)(ii)	Periodic Reporting and Recordkeeping Requirements-storage vessels with external floating roofs – documentation of failures	Y	
63.655(h)(2)	Reporting and Recordkeeping Requirements-Other reports-Storage vessel notification of inspections.	Y	
63.655(h)(2)(i)	Reporting and Recordkeeping Requirements-Other reports-Storage vessel notification of inspections – refilling Group 1 storage vessel.	Y	
63.655(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	
63.655(h)(6)	Reporting and Recordkeeping Requirements-Other reports-Determination of Applicability	Y	
63.655(h)(6)(ii)	Reporting and Recordkeeping Requirements-Other reports-Determination of Applicability	Y	
63.655(i)(1)	Reporting and Recordkeeping Requirements-Recordkeeping for storage vessels – keep records specified in 63.123 (Subpart G)	Y	
63.655(i)(1)(i)	Reporting and Recordkeeping Requirements-Recordkeeping for storage vessels– keep records specified in 63.123 (Subpart G) except	Y	

IV. Source Specific Applicable Requirements

Table IV – BB.17
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
	records related to gaskets, slotted membranes, and sleeve seals for vessels in existing sources. Each owner or operator subject to the storage vessel provisions in 63.660 shall keep records as specified in paragraphs (i)(1)(v) and (vi).		
63.655(i)(6)	Reporting and Recordkeeping Requirements—Recordkeeping for storage vessels-Record retention – 5 years	Y	
63.660	Storage vessel provisions. Group 1 storage vessel shall comply with the requirements in 40 CFR 63, subpart WW according to the requirements of 63.660(a) through (i).	Y	
63.660(a)	Determination of stored liquid HAP content	Y	
63.660(b)	Floating Roof Storage Vessel Requirements	Y	
63.660(c)	References	Y	
63.660(d)	Group 1 Storage Vessel Requirements	Y	
63.660(e)	Violations	Y	
63.660(g)	Notification of Compliance Status	Y	
63.660(h)	Periodic Reporting	Y	
63.660(i)	Requirements for electing to comply with subpart SS	Y	
BAAQMD Condition 20989, Part A	Throughput limits for source S216 [Basis: 2-1-234.3]	N	

Table IV – BB.18
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 (10/18/06) REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS**		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	N	
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service, Notification	N	
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service; Tank in compliance at time of notification	N	
8-5-111.3	Limited Exemption, Tank Removal From and Return to Service; Filling, emptying, refilling floating roof tanks	N	

IV. Source Specific Applicable Requirements

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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
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service; Minimize emissions and, if required, degas per 8-5-328	N	
8-5-111.6	Limited Exemption, Tank Removal From and Return to Service; Self report if out of compliance during exemption period	N	
8-5-112	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation	N	
8-5-112.1	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; Notification	N	
8-5-112.2	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; Tank in compliance at time of notification	N	
8-5-112.3	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; No product movement, Minimize emissions	N	
8-5-112.4	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; Not to exceed 7 days	N	
8-5-112.5	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; Self report if out of compliance during exemption period	N	
8-5-112.6	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; Keep records for each exemption	N	
8-5-119	Limited Exemption, Repair Period for Enhanced Monitoring Program	N	
8-5-301	Storage Tank Control Requirements	N	
8-5-304	Requirements for External Floating Roof Tanks	N	
8-5-304.1	Requirements for External Floating Roofs; Tank fittings	Y	
8-5-304.2	Requirements for External Floating Roofs; Primary seal (8-5-321)	Y	
8-5-304.3	Requirements for External Floating Roofs; Secondary seal (8-5-322)	Y	
8-5-304.4	Requirements for External Floating Roofs; Floating roof	N	
8-5-304.5	Requirements for External Floating Roofs; Tank shell	N	
8-5-304.6	Requirements for External Floating Roofs; Pontoons – no leaks	N	
8-5-304.6.1	Requirements for External Floating Roofs; Pontoons – make gas tight if leaking	N	
8-5-304.6.2	Requirements for External Floating Roofs; Pontoons-repair all leaks at next removal from service	N	
8-5-320	Floating Roof Tank Fitting Requirements	N	
8-5-320.2	Floating Roof Tank Fitting Requirements; Projection below liquid surface	N	
8-5-320.3	Floating Roof Tank Fitting Requirements; Gasketed covers, seals, lids	N	
8-5-320.3.1	Floating Roof Tank Fitting Requirements; Gasketed covers, seals, lids - Gap requirements	Y	

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Table IV – BB.18
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	Floating Roof Tank Fitting Requirements; Solid sampling or gauging wells--	N	
8-5-320.4.1	Floating Roof Tank Fitting Requirements; Solid sampling or gauging wells--projection below liquid surface	Y	
8-5-320.4.2	Floating Roof Tank Fitting Requirements; Solid sampling or gauging wells--cover, seal, or lid	Y	
8-5-320.4.3	Floating Roof Tank Fitting Requirements; Solid sampling or gauging wells-- total secondary seal gap must include well gap	Y	
8-5-320.6	Floating Roof Tank Fitting Requirements; emergency roof drains must be 90% covered	N	
8-5-321	Primary seal requirements	N	
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	N	
8-5-321.3.1	Primary seal requirements; Metallic-shoe-type seal requirements - geometry of shoe	N	
8-5-321.3.2	Primary seal requirements; Metallic-shoe-type seal requirements - welded tanks gap requirements	N	
8-5-322	Secondary seal requirements	N	
8-5-322.1	Secondary seal requirements; No holes, tears, or other openings	N	
8-5-322.2	Secondary seal requirements; Insertion of probes	N	
8-5-322.3	Secondary seal requirements; Gap requirements for all tanks	N	
8-5-322.5	Secondary seal requirements; Gap requirements for welded external floating roof tanks with seal installed after September 4, 1985	N	
8-5-322.6	Secondary seal requirements; extent of seal	N	
8-5-328	Tank degassing requirements	N	
8-5-328.1	Tank degassing requirements; Tanks > 75 cubic meters	N	
8-5-328.2	Tank degassing requirements; Ozone Excess Day Prohibition	N	
8-5-328.3	Tank degassing requirements; BAAQMD notification required	N	
8-5-401	Inspection Requirements for External Floating Roof Tanks	N	
8-5-401.1	Inspection Requirements for External Floating Roof Tanks; Primary and Secondary Seal Inspections	N	
8-5-401.2	Inspection Requirements for External Floating Roof Tanks; Tank Fittings Inspections	N	
8-5-404	Inspection, Abatement Efficiency Determination, and Source Test Reports	N	
8-5-411	Enhanced Monitoring Program (Optional)	N	
8-5-411.1	Enhanced Monitoring Program (Optional); Notify BAAQMD of tanks selected for enhanced monitoring program	N	
8-5-411.2	Enhanced Monitoring Program (Optional); Criteria for operating enhanced monitoring program	N	

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Table IV – BB.18
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
8-5-411.3	Enhanced Monitoring Program (Optional); Performance requirements	N	
8-5-412	Monitoring of Leaking Pontoons	N	
8-5-501	Records	N	
8-5-501.1	Records; Type and amount of liquid, type of blanket gas, TVP- Retain 24 months	N	
8-5-501.2	Records; Internal and External Floating Roof Tanks, Seal Replacement Records- Retain 10 years	N	
8-5-501.3	Records; Retention	N	
8-5-602	Analysis of Samples, True Vapor Pressure	Y	
8-5-604	Determination of Applicability Based on True Vapor Pressure	Y	
8-5-605	Measurement of Leak Concentration and Residual Concentrations	N	
8-5-605.1	Measurement of Leak Concentration and Residual Concentrations; EPA method 21 Instruments	N	
8-5-605.2	Measurement of Leak Concentration and Residual Concentrations; Method 21 and tank degassing residual organic concentration measurement method	N	
SIP Regulation 8, Rule 5	**Storage of Organic Liquids (06/5/2003)**		
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	

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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
8-5-112.2	Limited Exemption, Tanks in Operation; Compliance and certification before commencement of work per 8-5-404	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	
8-5-304.4	Requirements for External Floating Roofs; Floating roof requirements	Y	
8-5-320	Tank fitting requirements – Floating roof tanks	Y	
8-5-320.2	Tank fitting requirements – Floating roof tanks, Projection below liquid surface	Y	
8-5-320.3	Tank fitting requirements – Floating roof tanks, Gasketed covers, seals, lids	Y	
8-5-320.4	Tank Fitting Requirements; Solid sampling or gauging well requirements in floating roof tanks	Y	
8-5-320.6	Tank Fitting Requirements; Emergency roof drain	Y	
8-5-321	Primary seal requirements	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	

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Table IV – BB.18
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
8-5-401.1	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	
BAAQMD Regulation 8, Rule 8	**Organic Compounds, Wastewater (Oil-Water Separators) (9/15/2004) 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	N	
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	N	
SIP Regulation 8, Rule 8	**Wastewater (Oil-Water) Separator (8/29/94)**		
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	
8-8-603	Manual of Procedures: Inspection Procedures	Y	
40 CFR 63, Subpart G	**SOCMI HON G (12/21/2006) REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS**		
The tanks in this table will be subject to the provisions of 40 CFR 63.646 and the referenced requirements of 40 CFR 63, subpart G until compliance with 40 CFR 63.660 and the referenced requirements contained in 40 CFR 63, subpart WW is demonstrated, as specified in 40 CFR 63.640(h), 63.660, and 63.1063.			
63.119(a)	Storage Vessel Provisions -- Reference Control Technology	Y	

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Table IV – BB.18
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(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--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	

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Table IV – BB.18
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
63.120(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 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	Y	

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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
	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.		
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 (12/01/15) REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS**		
The tanks in this table will be subject to the provisions of 40 CFR 63.646 and the referenced requirements of 40 CFR 63, subpart G until compliance with 40 CFR 63.660 and the referenced requirements contained in 40 CFR 63, subpart WW is demonstrated, as specified in 40 CFR 63.640(h), 63.660, and 63.1063.			
63.640(c)(2)	Applicability and Designation of Storage Vessels	Y	
63.640(h)	Compliance by dates specified in Table 11, except as provided in paragraphs (h)(1) through (h)(3)	Y	
63.646	Upon demonstration of compliance with the standards in 63.660 by the compliance dates specified in 63.640(h), the standards in this section shall no longer apply.	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	Y	

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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
63.646(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	
63.655(f)	Reporting and Recordkeeping Requirements-Notice of compliance status report requirements	Y	
63.655(f)(1)	Reporting and Recordkeeping Requirements-Notice of compliance status report requirements	Y	
63.655(f)(1)(i)	Reporting and Recordkeeping Requirements-Notice of compliance status report requirements-Reporting--storage vessels	Y	
63.655(f)(1)(i)(A)	Reporting and Recordkeeping Requirements-Notice of compliance status report requirements-Reporting--storage vessels	Y	
63.655(f)(1)(i)(A)(1)	Reporting and Recordkeeping Requirements-Notice of compliance status report requirements-Reporting--storage vessels	Y	
63.655(g)	Periodic Reporting and Recordkeeping Requirements	Y	
63.655(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	
63.655(g)(3)(i)	Periodic Reporting and Recordkeeping Requirements-storage vessels with external floating roofs	Y	
63.655(g)(3)(i)(A)	Periodic Reporting and Recordkeeping Requirements-storage vessels with external floating roofs-document results of each seal gap measurement	Y	
63.655(g)(3)(i)(B)	Periodic Reporting and Recordkeeping Requirements-storage vessels with external floating roofs – extension documentation	Y	

IV. Source Specific Applicable Requirements

Table IV – BB.18
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
63.655(g)(3)(i)(C)	Periodic Reporting and Recordkeeping Requirements-storage vessels with external floating roofs – documentation of failures	Y	
63.655(g)(3)(ii)	Periodic Reporting and Recordkeeping Requirements-storage vessels with external floating roofs – documentation of failures	Y	
63.655(h)(2)	Reporting and Recordkeeping Requirements-Other reports-Storage vessel notification of inspections.	Y	
63.655(h)(2)(i)	Reporting and Recordkeeping Requirements-Other reports-Storage vessel notification of inspections – refilling Group 1 storage vessel.	Y	
63.655(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	
63.655(h)(6)	Reporting and Recordkeeping Requirements-Other reports-Determination of Applicability	Y	
63.655(h)(6)(ii)	Reporting and Recordkeeping Requirements-Other reports-Determination of Applicability	Y	
63.655(i)(1)	Reporting and Recordkeeping Requirements-Recordkeeping for storage vessels – keep records specified in 63.123 (Subpart G)	Y	
63.655(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. Each owner or operator subject to the storage vessel provisions in 63.660 shall keep records as specified in paragraphs (i)(1)(v) and (vi).	Y	
63.655(i)(6)	Reporting and Recordkeeping Requirements—Recordkeeping for storage vessels-Record retention – 5 years	Y	
63.660	Storage vessel provisions. Group 1 storage vessel shall comply with the requirements in 40 CFR 63, subpart WW according to the requirements of 63.660(a) through (i).	Y	
63.660(a)	Determination of stored liquid HAP content	Y	
63.660(b)	Floating Roof Storage Vessel Requirements	Y	
63.660(c)	References	Y	
63.660(d)	Group 1 Storage Vessel Requirements	Y	
63.660(e)	Violations	Y	
63.660(g)	Notification of Compliance Status	Y	
63.660(h)	Periodic Reporting	Y	
63.660(i)	Requirements for electing to comply with subpart SS	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.19
Source-Specific Applicable Requirements
EXEMPT TANKS SUBJECT TO MACT RECORDKEEPING
S94 (TANK 78), S99 (TANK 102), S103 (TANK 106), S136 (TANK 201), S138 (TANK 203), S169 (TANK 270), S179 (TANK 291), S180 (TANK 292), S191 (TANK 303), S192 (TANK 304), S204 (TANK 528), S205 (TANK 529), S209 (TANK 674), S239 (TANK 212), S260 (TANK 1009), S262 (TANK 1011), S263 (TANK 1012), 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 (10/18/06) EXEMPT**		
8-5-117	Limited Exemption, Low Vapor Pressure	N	
SIP Regulation 8, Rule 5	**Organic Compounds, Storage of Organic Liquids (6/05/03) EXEMPT**		
8-5-117	Exemption, Low Vapor Pressure	Y	
40 CFR 63, Subpart G	**SOCMI HON G (12/21/06) REQUIREMENTS FOR GROUP 2 RECORDKEEPING ONLY**		
The tanks in this table will be subject to the provisions of 40 CFR 63.646 and the referenced requirements of 40 CFR 63, subpart G until compliance with 40 CFR 63.660 and the referenced requirements contained in 40 CFR 63, subpart WW is demonstrated, as specified in 40 CFR 63.640(h), 63.660, and 63.1063.			
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 (12/01/15) REQUIREMENTS FOR GROUP 2 RECORDKEEPING ONLY**		
The tanks in this table will be subject to the provisions of 40 CFR 63.646 and the referenced requirements of 40 CFR 63, subpart G until compliance with 40 CFR 63.660 and the referenced requirements contained in 40 CFR 63, subpart WW is demonstrated, as specified in 40 CFR 63.640(h), 63.660, and 63.1063.			
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	Y	
63.655(h)(6)	Reporting and Recordkeeping Requirements-Other reports-Determination of Applicability	Y	
63.655(h)(6)(ii)	Reporting and Recordkeeping Requirements-Other reports-Determination of Applicability	Y	
63.655(i)(1)	Reporting and Recordkeeping Requirements-Recordkeeping for storage vessels – Keep records specified in 63.123	Y	
63.655(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.19
Source-Specific Applicable Requirements
EXEMPT TANKS SUBJECT TO MACT RECORDKEEPING
S94 (TANK 78), S99 (TANK 102), S103 (TANK 106), S136 (TANK 201), S138 (TANK 203), S169 (TANK 270), S179 (TANK 291), S180 (TANK 292), S191 (TANK 303), S192 (TANK 304), S204 (TANK 528), S205 (TANK 529), S209 (TANK 674), S239 (TANK 212), S260 (TANK 1009), S262 (TANK 1011), S263 (TANK 1012), S286 (F3), S287 (F10), S293 (F805)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.655(i)(1)(vi)	Reporting and Recordkeeping Requirements-Recordkeeping for storage vessels – Data and assumptions used to determine Group 2 classification	Y	
63.655(i)(6)	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	Applies to S239		
Part 1	Throughput limit	N	

Table IV – BB.20
Source-Specific Applicable Requirements
EXEMPT FIXED ROOF TANKS WITH VAPOR RECOVERY TO FUEL GAS
S175 (TANK 284)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 1	**General Provisions and Definitions (7/9/08)**		
1-523	Parametric Monitoring and Recordkeeping Procedures	N	
1-523.1	Parametric monitor periods of inoperation	Y	
1-523.2	Limits on periods of inoperation	Y	
1-523.3	Reports of Violations	N	
1-523.4	Records	Y	
1-523.5	Maintenance and calibration	N	
SIP Regulation 1	**General Provisions and Definitions (6/28/99)**		
1-523	Parametric Monitoring and Recordkeeping Procedures	Y[1]	
1-523.3	Reports of Violations	Y[1]	
BAAQMD Regulation 8, Rule 5	**Organic Compounds, Storage of Organic Liquids (10/18/06) EXEMPT**		
8-5-117	Limited Exemption, Low Vapor Pressure	N	

IV. Source Specific Applicable Requirements

Table IV – BB.20
Source-Specific Applicable Requirements
EXEMPT FIXED ROOF TANKS WITH VAPOR RECOVERY TO FUEL GAS
S175 (TANK 284)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
SIP Regulation 8, Rule 5	**Organic Compounds, Storage of Organic Liquids (6/05/03) EXEMPT**		
8-5-117	Exemption, Low Vapor Pressure	Y	
40 CFR 63, Subpart CC	**National Emission Standards for Hazardous Air Pollutants for Petroleum Refining (12/01/15) 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			
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 23724			
Part 1a	Requirement for abatement by A7, Odor Abatement System [2-1-403]	Y	
Part 2	Requirement for utility-grade natural gas blanket [2-1-403]	Y	
Part 3	Requirement for pressure monitoring devicea by 7/5/09. [2-1-403]	Y	
Part 4	After pressure monitoring devices are installed, requirement to operate below tank set pressure [2-1-403]	Y	
Part 4b	Tank pressures for other tanks [2-1-403]	Y	
Part 5	Pressure relief valve setting at or above nominal set pressure	Y	
Part 6	Corrective Plan	Y	
Part 7	Pressure monitoring records [2-1-403]	Y	
Part 8	Initial date for reporting pressures in excess of nominal set pressure	Y	
Part 9	Compliance with nuisance and odor regulations [1-301, 7-301, 7-302]	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 – BB.21A
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 (10/18/06) EXEMPT**		
8-5-117	Limited Exemption, Low Vapor Pressure	N	
SIP Regulation 8, Rule 5	**Storage of Organic Liquids (06/05/03) EXEMPT**		
8-5-117	Exemption, Low Vapor Pressure	Y	
40 CFR 63, Subpart G	**SOCMI HON G (12/21/06) REQUIREMENTS FOR GROUP 2 RECORDKEEPING ONLY**		
The tanks in this table will be subject to the provisions of 40 CFR 63.646 and the referenced requirements of 40 CFR 63, subpart G until compliance with 40 CFR 63.660 and the referenced requirements contained in 40 CFR 63, subpart WW is demonstrated, as specified in 40 CFR 63.640(h), 63.660, and 63.1063.			
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 (12/01/15) REQUIREMENTS FOR GROUP 2 RECORDKEEPING ONLY**		
The tanks in this table will be subject to the provisions of 40 CFR 63.646 and the referenced requirements of 40 CFR 63, subpart G until compliance with 40 CFR 63.660 and the referenced requirements contained in 40 CFR 63, subpart WW is demonstrated, as specified in 40 CFR 63.640(h), 63.660, and 63.1063.			
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	Y	
63.655(h)(6)	Reporting and Recordkeeping Requirements-Other reports-Determination of Applicability	Y	
63.655(h)(6)(ii)	Reporting and Recordkeeping Requirements-Other reports-Determination of Applicability	Y	
63.655(i)(1)	Reporting and Recordkeeping Requirements-Recordkeeping for storage vessels – Keep records specified in 63.123	Y	
63.655(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.21A
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
63.655(i)(1)(vi)	Reporting and Recordkeeping Requirements-Recordkeeping for storage vessels – Data and assumptions used to determine Group 2 classification	Y	
63.655(i)(6)	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 B21A shows the appropriate applicability for these tanks as MACT Group II tanks. Table B21B 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.21B
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 (10/18/06) REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS**		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	N	
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service, Notification	N	
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service; Tank in compliance at time of notification	N	

IV. Source Specific Applicable Requirements

Table IV – BB.21B
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
8-5-111.3	Limited Exemption, Tank Removal From and Return to Service; Filling, emptying, refilling floating roof tanks	N	
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service; Minimize emissions and, if required, degas per 8-5-328	N	
8-5-111.6	Limited Exemption, Tank Removal From and Return to Service; Self report if out of compliance during exemption period	N	
8-5-112	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation	N	
8-5-112.1	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; Notification	N	
8-5-112.2	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; Tank in compliance at time of notification	N	
8-5-112.3	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; No product movement, Minimize emissions	N	
8-5-112.4	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; Not to exceed 7 days	N	
8-5-112.5	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; Self report if out of compliance during exemption period	N	
8-5-112.6	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; Keep records for each exemption	N	
8-5-119	Limited Exemption, Repair Period for Enhanced Monitoring Program	N	
8-5-301	Storage Tank Control Requirements	N	
8-5-304	Requirements for External Floating Roof Tanks	N	
8-5-304.1	Requirements for External Floating Roofs; Tank fittings	Y	
8-5-304.2	Requirements for External Floating Roofs; Primary seal (8-5-321)	Y	
8-5-304.3	Requirements for External Floating Roofs; Secondary seal (8-5-322)	Y	
8-5-304.4	Requirements for External Floating Roofs; Floating roof	N	
8-5-304.5	Requirements for External Floating Roofs; Tank shell	N	
8-5-304.6	Requirements for External Floating Roofs; Pontoons – no leaks	N	
8-5-304.6.1	Requirements for External Floating Roofs; Pontoons – make gas tight if leaking	N	
8-5-304.6.2	Requirements for External Floating Roofs; Pontoons-repair all leaks at next removal from service	N	
8-5-320	Floating Roof Tank Fitting Requirements	N	
8-5-320.2	Floating Roof Tank Fitting Requirements; Projection below liquid surface	N	
8-5-320.3	Floating Roof Tank Fitting Requirements; Gasketed covers, seals, lids	N	

IV. Source Specific Applicable Requirements

Table IV – BB.21B
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
8-5-320.3.1	Floating Roof Tank Fitting Requirements; Gasketed covers, seals, lids - Gap requirements	Y	
8-5-320.4	Floating Roof Tank Fitting Requirements; Solid sampling or gauging wells--	N	
8-5-320.4.1	Floating Roof Tank Fitting Requirements; Solid sampling or gauging wells--projection below liquid surface	Y	
8-5-320.4.2	Floating Roof Tank Fitting Requirements; Solid sampling or gauging wells--cover, seal, or lid	Y	
8-5-320.4.3	Floating Roof Tank Fitting Requirements; Solid sampling or gauging wells-- total secondary seal gap must include well gap	Y	
8-5-320.6	Floating Roof Tank Fitting Requirements; emergency roof drains must be 90% covered	N	
8-5-321	Primary seal requirements	N	
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	N	
8-5-321.3.1	Primary seal requirements; Metallic-shoe-type seal requirements - geometry of shoe	N	
8-5-321.3.2	Primary seal requirements; Metallic-shoe-type seal requirements - welded tanks gap requirements	N	
8-5-322	Secondary seal requirements	N	
8-5-322.1	Secondary seal requirements; No holes, tears, or other openings	N	
8-5-322.2	Secondary seal requirements; Insertion of probes	N	
8-5-322.5	Secondary seal requirements; Gap requirements for welded external floating roof tanks with seal installed after September 4, 1985	N	
8-5-322.6	Secondary seal requirements; extent of seal	N	
8-5-328	Tank degassing requirements	N	
8-5-328.1	Tank degassing requirements; Tanks > 75 cubic meters	N	
8-5-328.2	Tank degassing requirements; Ozone Excess Day Prohibition	N	
8-5-328.3	Tank degassing requirements; BAAQMD notification required	N	
8-5-401	Inspection Requirements for External Floating Roof Tanks	N	
8-5-401.1	Inspection Requirements for External Floating Roof Tanks; Primary and Secondary Seal Inspections	N	
8-5-401.2	Inspection Requirements for External Floating Roof Tanks; Tank Fittings Inspections	N	
8-5-404	Inspection, Abatement Efficiency Determination, and Source Test Reports	N	
8-5-411	Enhanced Monitoring Program (Optional)	N	
8-5-411.1	Enhanced Monitoring Program (Optional); Notify BAAQMD of tanks selected for enhanced monitoring program	N	

IV. Source Specific Applicable Requirements

Table IV – BB.21B
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
8-5-411.2	Enhanced Monitoring Program (Optional); Criteria for operating enhanced monitoring program	N	
8-5-411.3	Enhanced Monitoring Program (Optional); Performance requirements	N	
8-5-412	Monitoring of Leaking Pontoons	N	
8-5-501	Records	N	
8-5-501.1	Records; Type and amount of liquid, type of blanket gas, TVP- Retain 24 months	N	
8-5-501.2	Records; Internal and External Floating Roof Tanks, Seal Replacement Records- Retain 10 years	N	
8-5-501.3	Records; Retention	N	
8-5-602	Analysis of Samples, True Vapor Pressure	Y	
8-5-604	Determination of Applicability Based on True Vapor Pressure	Y	
8-5-605	Measurement of Leak Concentration and Residual Concentrations	N	
8-5-605.1	Measurement of Leak Concentration and Residual Concentrations; EPA method 21 Instruments	N	
8-5-605.2	Measurement of Leak Concentration and Residual Concentrations; Method 21 and tank degassing residual organic concentration measurement method	N	
SIP Regulation 8, Rule 5	**Organic Compounds, Storage of Organic Liquids (06/05/03)**		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service, Notification	Y	
8-5-111.1.1	Limited Exemption, Tank Removal From and Return to Service, Notification, 3 day prior notification	Y	
8-5-111.1.2	Limited Exemption, Tank Removal From and Return to Service, Notification, Telephone notification	Y	
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service, Tank in compliance prior to notification	Y	
8-5-111.3	Limited Exemption, Tank Removal From and Return to Service, Floating roof tanks	Y	
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service, Minimize emissions	Y	
8-5-111.6	Limited Exemption, Tank Removal From and Return to Service, Notice of completion not required	Y	
8-5-111.7	Limited Exemption, Tank Removal From and Return to Service, Satisfy requirements of 8-5-328	Y	
8-5-112	Limited Exemption, Tanks in Operation	Y	
8-5-112.1	Limited Exemption, Tanks in Operation, Notification	Y	

IV. Source Specific Applicable Requirements

Table IV – BB.21B
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
8-5-112.1.1	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	
8-5-304.4	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	
8-5-320.4	Tank Fitting Requirements; Solid sampling or gauging well requirements in floating roof tanks	Y	
8-5-320.6	Tank Fitting Requirements; Emergency roof drain	Y	
8-5-321	Primary Seal Requirements	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, 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	

IV. Source Specific Applicable Requirements

Table IV – BB.21B
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
8-5-401.2	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	
40 CFR 63, Subpart G	**SOCMI HON G (12/21/06) REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS**		
The tanks in this table will be subject to the provisions of 40 CFR 63.646 and the referenced requirements of 40 CFR 63, subpart G until compliance with 40 CFR 63.660 and the referenced requirements contained in 40 CFR 63, subpart WW is demonstrated, as specified in 40 CFR 63.640(h), 63.660, and 63.1063.			
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	

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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
63.119(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	

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

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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 (12/01/15) REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS**		
The tanks in this table will be subject to the provisions of 40 CFR 63.646 and the referenced requirements of 40 CFR 63, subpart G until compliance with 40 CFR 63.660 and the referenced requirements contained in 40 CFR 63, subpart WW is demonstrated, as specified in 40 CFR 63.640(h), 63.660, and 63.1063.			
63.640(c)(2)	Applicability and Designation of Storage Vessels	Y	
63.640(h)	Compliance by dates specified in Table 11, except as provided in paragraphs (h)(1) through (h)(3)	Y	
63.646	Upon demonstration of compliance with the standards in 63.660 by the compliance dates specified in 63.640(h), the standards in this section shall no longer apply.	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	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	

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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(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	
63.655(f)	Reporting and Recordkeeping Requirements-Notice of compliance status report requirements	Y	
63.655(f)(1)	Reporting and Recordkeeping Requirements-Notice of compliance status report requirements	Y	
63.655(f)(1)(i)	Reporting and Recordkeeping Requirements-Notice of compliance status report requirements-Reporting--storage vessels	Y	
63.655(f)(1)(i)(A)	Reporting and Recordkeeping Requirements-Notice of compliance status report requirements-Reporting--storage vessels	Y	
63.655(f)(1)(i)(A)(1)	Reporting and Recordkeeping Requirements-Notice of compliance status report requirements-Reporting--storage vessels	Y	
63.655(g)	Periodic Reporting and Recordkeeping Requirements	Y	
63.655(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	
63.655(g)(3)(i)	Periodic Reporting and Recordkeeping Requirements-storage vessels with external floating roofs	Y	
63.655(g)(3)(i)(A)	Periodic Reporting and Recordkeeping Requirements-storage vessels with external floating roofs-document results of each seal gap measurement	Y	
63.655(g)(3)(i)(B)	Periodic Reporting and Recordkeeping Requirements-storage vessels with external floating roofs – extension documentation	Y	
63.655(g)(3)(i)(C)	Periodic Reporting and Recordkeeping Requirements-storage vessels with external floating roofs – documentation of failures	Y	
63.655(g)(3)(ii)	Periodic Reporting and Recordkeeping Requirements-storage vessels with external floating roofs – documentation of failures	Y	
63.655(h)(2)	Reporting and Recordkeeping Requirements-Other reports-Storage vessel notification of inspections.	Y	
63.655(h)(2)(i)	Reporting and Recordkeeping Requirements-Other reports-Storage vessel notification of inspections – refilling Group 1 storage vessel.	Y	
63.655(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	

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Table IV – BB.21B
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EXEMPT EXTERNAL FLOATING ROOF TANKS
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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
63.655(h)(6)	Reporting and Recordkeeping Requirements-Other reports-Determination of Applicability	Y	
63.655(h)(6)(ii)	Reporting and Recordkeeping Requirements-Other reports-Determination of Applicability	Y	
63.655(i)(1)	Reporting and Recordkeeping Requirements-Recordkeeping for storage vessels – keep records specified in 63.123 (Subpart G)	Y	
63.655(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. Each owner or operator subject to the storage vessel provisions in 63.660 shall keep records as specified in paragraphs (i)(1)(v) and (vi).	Y	
63.655(i)(6)	Reporting and Recordkeeping Requirements—Recordkeeping for storage vessels-Record retention – 5 years	Y	
63.660	Storage vessel provisions. Group 1 storage vessel shall comply with the requirements in 40 CFR 63, subpart WW according to the requirements of 63.660(a) through (i).	Y	
63.660(a)	Determination of stored liquid HAP content	Y	
63.660(b)	Floating Roof Storage Vessel Requirements	Y	
63.660(c)	References	Y	
63.660(d)	Group 1 Storage Vessel Requirements	Y	
63.660(e)	Violations	Y	
63.660(g)	Notification of Compliance Status	Y	
63.660(h)	Periodic Reporting	Y	
63.660(i)	Requirements for electing to comply with subpart SS	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 B21A shows the appropriate applicability for these tanks as MACT Group II tanks. Table B21B shows the appropriate applicability for these tanks as MACT Group I tanks including the BAAQMD Regulation 8, Rule 5 requirements for zero-gap secondary seals.

IV. Source Specific Applicable Requirements

Table IV – BB.22
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 (10/18/06) EXEMPT**		
8-5-117	Limited Exemption, Low Vapor Pressure	N	
SIP Regulation 8, Rule 5	**Storage of Organic Liquids (06/05/03) 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 (10/17/2000)**		
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 (12/21/06) REQUIREMENTS FOR GROUP 2 RECORDKEEPING ONLY**		
The tanks in this table will be subject to the provisions of 40 CFR 63.646 and the referenced requirements of 40 CFR 63, subpart G until compliance with 40 CFR 63.660 and the referenced requirements contained in 40 CFR 63, subpart WW is demonstrated, as specified in 40 CFR 63.640(h), 63.660, and 63.1063.			
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 (12/01/15) REQUIREMENTS FOR GROUP 2 RECORDKEEPING ONLY**		
The tanks in this table will be subject to the provisions of 40 CFR 63.646 and the referenced requirements of 40 CFR 63, subpart G until compliance with 40 CFR 63.660 and the referenced requirements contained in 40 CFR 63, subpart WW is demonstrated, as specified in 40 CFR 63.640(h), 63.660, and 63.1063.			
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	Y	

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Table IV – BB.22
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
63.655(h)(6)	Reporting and Recordkeeping Requirements-Other reports-Determination of Applicability	Y	
63.655(h)(6)(ii)	Reporting and Recordkeeping Requirements-Other reports-Determination of Applicability	Y	
63.655(i)(1)	Reporting and Recordkeeping Requirements-Recordkeeping for storage vessels – Keep records specified in 63.123	Y	
63.655(i)(1)(iv)	Reporting and Recordkeeping Requirements-Recordkeeping for storage vessels – Data and assumptions used to determine Group 2 classification	Y	
63.655(i)(1)(vi)	Reporting and Recordkeeping Requirements-Recordkeeping for storage vessels – Data and assumptions used to determine Group 2 classification	Y	
63.655(i)(6)	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.23
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 (10/18/2006) REQUIREMENTS FOR PRESSURE TANKS**		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	N	
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service, Notification	N	
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service; Tank in compliance at time of notification	N	
8-5-111.4	Limited Exemption, Tank Removal From and Return to Service; Use vapor recovery during filling and emptying tanks so equipped	N	
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service; Minimize emissions and, if required, degas per 8-5-328	N	
8-5-111.6	Limited Exemption, Tank Removal From and Return to Service; Self report if out of compliance during exemption period	N	

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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
8-5-112	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation	N	
8-5-112.1	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; Notification	N	
8-5-112.2	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; Tank in compliance at time of notification	N	
8-5-112.3	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; No product movement, Minimize emissions	N	
8-5-112.4	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; Not to exceed 7 days	N	
8-5-112.5	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; Self report if out of compliance during exemption period	N	
8-5-112.6	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; Keep records for each exemption	N	
8-5-119	Limited Exemption, Repair Period for Enhanced Monitoring Program	N	
8-5-301	Storage Tank Control Requirements	N	
8-5-303	Requirements for Pressure Vacuum Valves	N	
8-5-303.1	Requirements for Pressure Vacuum Valves; Set pressure	N	
8-5-303.2	Requirements for Pressure Vacuum Valves; Gas tight requirement	N	
8-5-307	Requirements for fixed roof tanks, pressure tanks and blanketed tanks	N	
8-5-307.1	Requirements for fixed roof tanks, pressure tanks and blanketed tanks; no liquid leakage through shell	N	
8-5-307.2	Requirements for fixed roof tanks, pressure tanks and blanketed tanks; Pressure tank working pressure	N	
8-5-307.3	Requirements for fixed roof tanks, pressure tanks and blanketed tanks; Pressure tanks and blanketed tanks PRD requirements	N	
8-5-328	Tank degassing requirements	N	
8-5-328.1	Tank degassing requirements; Tanks > 75 cubic meters	N	
8-5-328.2	Tank degassing requirements; Ozone Excess Day Prohibition	N	
8-5-328.3	Tank degassing requirements; BAAQMD notification required	N	
8-5-403	Inspection Requirements for Pressure Relief Devices	N	
8-5-404	Inspection, Abatement Efficiency Determination, and Source Test Reports	N	
8-5-411	Enhanced Monitoring Program (Optional)	N	
8-5-411.1	Enhanced Monitoring Program (Optional); Notify BAAQMD of tanks selected for enhanced monitoring program	N	
8-5-411.2	Enhanced Monitoring Program (Optional); Criteria for operating enhanced monitoring program	N	
8-5-411.3	Enhanced Monitoring Program (Optional); Performance requirements	N	
8-5-501	Records	N	
8-5-501.1	Records; Type and amount of liquid, type of blanket gas, TVP- Retain 24 monhts	N	
8-5-501.3	Records; Retention	N	
8-5-501.4	Records; New pressure vacuum valve setpoints	N	

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Table IV – BB.23
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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
8-5-602	Analysis of Samples, True Vapor Pressure	Y	
8-5-604	Determination of Applicability Based on True Vapor Pressure	Y	
8-5-605	Measurement of Leak Concentration and Residual Concentrations	N	
8-5-605.1	Measurement of Leak Concentration and Residual Concentrations; EPA method 21 Instruments	N	
8-5-605.2	Measurement of Leak Concentration and Residual Concentrations; Method 21 and tank degassing residual organic concentration measurement method	N	
SIP Regulation 8, Rule 5	**Organic Compounds, Storage of Organic Liquids (06/05/03)**		
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 per 8-5-404	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	

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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
8-5-303.2	Requirements for Pressure Vacuum Valves; Installation, operation, and gas tight requirements	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	
8-5-328.2	Tank degassing requirements; Ozone excess day prohibition	Y	
8-5-403	Inspection Requirements for Pressure Relief Devices	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	
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 (10/15/2003) 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 (12/01/15) 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.24
Source-Specific Applicable Requirements
OLD MACT TANK < 5,000 GALLONS
S507 (TANK 21, FPLH RECOVERY TANK)

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 (10/18/06) REQUIREMENTS FOR FIXED ROOF TANKS**		
8-5-301	Storage Tank Control Requirements (internal floating roof, external floating roof, or approved emission control system)	N	

IV. Source Specific Applicable Requirements

Table IV – BB.24
Source-Specific Applicable Requirements
OLD MACT TANK < 5,000 GALLONS
S507 (TANK 21, FPLH RECOVERY TANK)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-5-303	Requirements for Pressure Vacuum Valves	N	
8-5-303.1	Requirements for Pressure Vacuum Valves; Set pressure	N	
8-5-303.2	Requirements for Pressure Vacuum Valves; Installation, maintenance, operation	N	
8-5-403	Inspection Requirements for Pressure Relief Devices	N	
8-5-501	Records	N	
8-5-501.1	Records; Type and amounts of liquid; true vapor pressure; Retain 24 months	N	
8-5-501.3	Records retained for 24 months	N	
8-5-501.4	Engineering data sheets showing setpoints for pressure vacuum valves installed after 6/1/07	N	
8-5-602	Analysis of Samples, True Vapor Pressure	N	
8-5-604	Determination of Applicability Based on True Vapor Pressure	N	
8-5-605	Measurement of Leak Concentrations and Residual Concentrations	N	
SIP Regulation 8, Rule 5	**Organic Compounds, Storage of Organic Liquids (6/5/03)**		
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	
8-5-403	Inspection Requirements for Pressure Vacuum Valves	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	
8-5-604	Determination of Applicability	Y	
8-5-605	Pressure Vacuum Valve Gas Tight Determination	Y	
40 CFR Part 63 Subpart EEEE	**National Emission Standards for Hazardous Air Pollutants Organic Liquids Distribution (2/3/2004) EXEMPTION FOR TANKS < 5,000 gal.**		
40 CFR 63.2334(a)	Affected sources.	Y	
40 CFR 63.2343	Exemption for sources not requiring control. Exempt from any other notification, recordkeeping, or reporting sections in Subpart EEEE.	Y	
40 CFR 63.2343(a)	Exemption from control requirements for tanks with capacity < 5,000 gallons. Documentation of capacity required.	Y	
BAAQMD Condition 24532			
Part 1	Material stored TVP < 11 psia. [cumulative increase, offsets, 8-5-301]	Y	
Part 2	Requirement for pressure vacuum valve. [8-5-303.1]	Y	

IV. Source Specific Applicable Requirements

Table IV – BB.24
Source-Specific Applicable Requirements
OLD MACT TANK < 5,000 GALLONS
S507 (TANK 21, FPLH RECOVERY TANK)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 3	Throughput less than 9,883 gallons in any 12 consecutive months. [cumulative increase, offsets]	Y	
Part 4	POC emission less than 218 pounds in any 12 consecutive months. [cumulative increase, offsets]	Y	
Part 5	Retain records of monthly throughput. [Cumulative increase, recordkeeping]	Y	

Table IV – BB.25
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 1	**General Provisions and Definitions (5/04/11)**		
1-523	Parametric Monitoring and Recordkeeping Procedures	N	
1-523.1	Parametric monitor periods of inoperation	Y	
1-523.2	Limits on periods of inoperation	Y	
1-523.3	Reports of Violations	N	
1-523.4	Records	Y	
1-523.5	Maintenance and calibration	N	
SIP Regulation 1	**General Provisions and Definitions (6/28/99)**		
1-523	Parametric Monitoring and Recordkeeping Procedures	Y[1]	
1-523.3	Reports of Violations	Y[1]	
BAAQMD Regulation 8, Rule 5	**Organic Compounds, Storage of Organic Liquids (10/18/06) EXEMPT**		
8-5-117	Limited Exemption, Low Vapor Pressure	N	
SIP Regulation 8, Rule 5	**Storage of Organic Liquids (06/05/03) 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 (10/15/2003) 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.25
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 63, Subpart CC	**National Emission Standards for Hazardous Air Pollutants for Petroleum Refining (12/01/15) 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 23724			
Part 1a	Requirement for abatement by A7, Odor Abatement System [2-1-403]	Y	
Part 2	Requirement for utility-grade natural gas blanket [2-1-403]	Y	
Part 3	Requirement for pressure monitoring device for S137 by 7/5/09. [2-1-403]	Y	
Part 4	After pressure monitoring devices are installed, requirement to operate below tank set pressure [2-1-403]	Y	
Part 4b	Tank pressures for other tanks [2-1-403]	Y	
Part 5	Pressure relief valve setting at or above nominal set pressure	Y	
Part 6	Corrective Plan	Y	
Part 7	Pressure monitoring records [2-1-403]	Y	
Part 8	Initial date for reporting pressures in excess of nominal set pressure	Y	
Part 9	Compliance with nuisance and odor regulations [1-301, 7-301, 7-302]	Y	

IV. Source Specific Applicable Requirements

Table IV – BB.26
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 (10/18/06) EXEMPT**		
8-5-117	Limited Exemption, Low Vapor Pressure	N	
SIP Regulation 8, Rule 5	**Organic Compounds, Storage of Organic Liquids (6/05/03) 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 (10/15/2003)**		
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(b)	Applicability and Designation of Affected Facility – Exemption for low vapor pressure; NSPS Kb does not apply to vessels with capacity > 151 cu m and TVP < 3.5 kPa or to vessels with capacity >= 75 cu m and <= 151 cu m and TVP < 15.0 kPa	Y	
40 CFR 60, Subpart QQQ	**Standards of Performance for VOC Emissions from Petroleum Refinery Wastewater Systems (10/17/2000) 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	
60.697(e)(1)	Recordkeeping Requirements	Y	
60.697(e)(2)	Recordkeeping Requirements	Y	

IV. Source Specific Applicable Requirements

Table IV – BB.26
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)(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 (12/01/15) REQUIREMENTS FOR GROUP 2 RECORDKEEPING ONLY**		
The tanks in this table will be subject to the provisions of 40 CFR 63.646 and the referenced requirements of 40 CFR 63, subpart G until compliance with 40 CFR 63.660 and the referenced requirements contained in 40 CFR 63, subpart WW is demonstrated, as specified in 40 CFR 63.640(h), 63.660, and 63.1063.			
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	Y	
63.655(h)(6)	Reporting and Recordkeeping Requirements-Other reports-Determination of Applicability	Y	
63.655(h)(6)(ii)	Reporting and Recordkeeping Requirements-Other reports-Determination of Applicability	Y	
63.655(i)(1)	Reporting and Recordkeeping Requirements-Recordkeeping for storage vessels – Keep records specified in 40 CFR 63.123	Y	
63.655(i)(1)(iv)	Reporting and Recordkeeping Requirements-Recordkeeping for storage vessels – Data and assumptions used to determine Group 2 classification	Y	
63.655(i)(1)(vi)	Reporting and Recordkeeping Requirements-Recordkeeping for storage vessels – Data and assumptions used to determine Group 2 classification	Y	
63.655(i)(6)	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.27
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 (10/18/06) EXEMPT**		
8-5-117	Limited Exemption, Low Vapor Pressure	N	
SIP Regulation 8, Rule 5	**Organic Compounds, Storage of Organic Liquids (6/5/03) 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 (10/15/2003)**		
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(b)	Applicability and Designation of Affected Facility – Exemption for low vapor pressure; NSPS Kb does not apply to vessels with capacity > 151 cu m and TVP < 3.5 kPa or to vessels with capacity >= 75 cu m and <= 151 cu m and TVP < 15.0 kPa	Y	
40 CFR 63, Subpart CC	**National Emission Standards for Hazardous Air Pollutants for Petroleum Refining (12/01/15) REQUIREMENTS FOR GROUP 2 RECORDKEEPING ONLY**		
The tanks in this table will be subject to the provisions of 40 CFR 63.646 and the referenced requirements of 40 CFR 63, subpart G until compliance with 40 CFR 63.660 and the referenced requirements contained in 40 CFR 63, subpart WW is demonstrated, as specified in 40 CFR 63.640(h), 63.660, and 63.1063.			
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	Y	
63.655(h)(6)	Reporting and Recordkeeping Requirements-Other reports-Determination of Applicability	Y	
63.655(h)(6)(ii)	Reporting and Recordkeeping Requirements-Other reports-Determination of Applicability	Y	
63.655(i)(1)	Reporting and Recordkeeping Requirements-Recordkeeping for storage vessels – Keep records specified in 40 CFR 63.123	Y	
63.655(i)(1)(iv)	Reporting and Recordkeeping Requirements-Recordkeeping for storage vessels – Data and assumptions used to determine Group 2 classification	Y	
63.655(i)(1)(vi)	Reporting and Recordkeeping Requirements-Recordkeeping for storage vessels – Data and assumptions used to determine Group 2 classification	Y	
63.655(i)(6)	Reporting and Recordkeeping Requirements-Recordkeeping--Record retention – 5 years	Y	
BAAQMD Condition 20773			

IV. Source Specific Applicable Requirements

Table IV – BB.27
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
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.28
Source-Specific Applicable Requirements
Exempt External Floating Roof Wastewater Tank
Tank 206

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 (10/18/06) EXEMPT**		
8-5-117	Limited Exemption, Low Vapor Pressure	N	
SIP Regulation 8, Rule 5	**Storage of Organic Liquids (06/05/03) 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 (10/17/2000) EXEMPTION FOR TANKS NOT CONTAINING PETROLEUM LIQUIDS**		
60.111(b)	Definitions: Petroleum liquids	Y	
40 CFR 63, Subpart CC	**National Emission Standards for Hazardous Pollutants for Petroleum Refining (12/01/15) 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	
63.655(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	

IV. Source Specific Applicable Requirements

Table IV – BB.28
Source-Specific Applicable Requirements
EXEMPT EXTERNAL FLOATING ROOF WASTEWATER TANK
TANK 206

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

Table IV – BB.29
Source-Specific Applicable Requirements
S1012 (FIRE TRAINING FLUID TANK)

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 (10/18/06) REQUIREMENTS FOR FIXED ROOF TANKS**		Upon Startup of S1012
8-5-301	Storage Tank Control Requirements (internal floating roof, external floating roof, or approved emission control system)	N	Upon Startup of S1012
8-5-303	Requirements for Pressure Vacuum Valves	N	Upon Startup of S1012
8-5-303.1	Requirements for Pressure Vacuum Valves; Set pressure	N	Upon Startup of S1012
8-5-303.2	Requirements for Pressure Vacuum Valves; Installation, maintenance, operation	N	Upon Startup of S1012
8-5-403	Inspection Requirements for Pressure Relief Devices	N	Upon Startup of S1012
8-5-501	Records	N	Upon Startup of S1012
8-5-501.1	Records; Type and amounts of liquid; true vapor pressure; Retain 24 months	N	Upon Startup of S1012
8-5-501.3	Records retained for 24 months	N	Upon Startup of S1012
8-5-501.4	Engineering data sheets showing setpoints for pressure vacuum valves installed after 6/1/07	N	Upon Startup of S1012
8-5-602	Analysis of Samples, True Vapor Pressure	N	Upon Startup of S1012

IV. Source Specific Applicable Requirements

Table IV – BB.29
Source-Specific Applicable Requirements
S1012 (FIRE TRAINING FLUID TANK)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-5-604	Determination of Applicability Based on True Vapor Pressure	N	Upon Startup of S1012
8-5-605	Measurement of Leak Concentrations and Residual Concentrations	N	Upon Startup of S1012
SIP Regulation 8, Rule 5	**Organic Compounds, Storage of Organic Liquids (6/5/03)**		Upon Startup of S1012
8-5-301	Storage Tank Control Requirements (internal floating roof, external floating roof, or approved emission control system)	Y	Upon Startup of S1012
8-5-303	Requirements for Pressure Vacuum Valves	Y	Upon Startup of S1012
8-5-303.1	Requirements for Pressure Vacuum Valves; Set pressure	Y	Upon Startup of S1012
8-5-303.2	Requirements for Pressure Vacuum Valves; Installation, maintenance, operation	Y	Upon Startup of S1012
8-5-403	Inspection Requirements for Pressure Vacuum Valves	Y	Upon Startup of S1012
8-5-501	Records	Y	Upon Startup of S1012
8-5-501.1	Records; Type and amounts of liquid; true vapor pressure; Retain 24 months	Y	Upon Startup of S1012
8-5-503	Portable hydrocarbon detector	Y	Upon Startup of S1012
8-5-602	Analysis of Samples, True Vapor Pressure	Y	Upon Startup of S1012
8-5-604	Determination of Applicability	Y	Upon Startup of S1012
8-5-605	Pressure Vacuum Valve Gas Tight Determination	Y	Upon Startup of S1012
40 CFR Part 63 Subpart EEEE	**National Emission Standards for Hazardous Air Pollutants Organic Liquids Distribution (2/3/2004) EXEMPTION FOR TANKS < 5,000 gal.**		Upon Startup of S1012

IV. Source Specific Applicable Requirements

Table IV – BB.29
Source-Specific Applicable Requirements
S1012 (FIRE TRAINING FLUID TANK)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
40 CFR 63.2334(a)	Affected sources.	Y	Upon Startup of S1012
40 CFR 63.2343	Exemption for sources not requiring control. Exempt from any other notification, recordkeeping, or reporting sections in Subpart EEEE.	Y	Upon Startup of S1012
40 CFR 63.2343(a)	Exemption from control requirements for tanks with capacity < 5,000 gallons. Documentation of capacity required.	Y	Upon Startup of S1012
BAAQMD Condition 26535			Upon Startup of S1012
Part 1	Throughput limit of 5000 gallons in any 12 consecutive months. [cumulative increase]	Y	Upon Startup of S1012
Part 2	POC emission less than 820 pounds in any 12 consecutive months. [cumulative increase]	Y	Upon Startup of S1012
Part 3	Retain records of monthly throughput. [Cumulative increase, Toxics]	Y	Upon Startup of S1012

IV. Source Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6, Rule 1	**Particulate Matter, General Requirements (12/05/07)**		
6-1-301	Ringelmann #1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310	Particulate Weight Limitation (Process Weight Rate Limitation)	N	
6-1-311	General Operations	N	
6-1-401	Appearance of Emissions	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/98)**		
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation (Process Weight Rate Limitation)	Y	
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Regulation 8, Rule 2	**Miscellaneous Operations (7/20/05)**	Y	
8-2-301	Miscellaneous Operations	Y	
BAAQMD Regulation 11, Rule 10	**Hazardous Pollutants, Hexavalent Chromium Emissions from Cooling Towers (12/16/15)**		
11-10-106	S457 and S458 ONLY: Limited Exemption, Recirculation Rates < 2,500 gallons per minute	N	
11-10-304	Total Hydrocarbon Leak Monitoring Requirement	N	
11-10-305	Leak Action Requirements	N	
11-10-401	Petroleum Refinery Cooling Tower Reporting Requirements	N	
11-10-402	Best Modern Practices	N	
11-10-504	Operating Records	N	
BAAQMD Condition 22121			
Part 4	Monitoring of dissolved solids (2-6-503, Regulation 3)	Y	
Part 7	Annual reporting of particulate emissions (2-1-319.1, 3)	Y	
Part 8	Records (2-6-501)	Y	

IV. Source Specific Applicable Requirements

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, Rule 1	**Particulate Matter, General Requirements (12/05/07)**		
6-1-301	Ringelmann #1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310	Particulate Weight Limitation (Process Weight Rate Limitation)	N	
6-1-311	General Operations	N	
6-1-401	Appearance of Emissions	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/98)**		
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation (Process Weight Rate Limitation)	Y	
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Regulation 8, Rule 2	**Miscellaneous Operations (7/20/05)**	Y	
8-2-301	Miscellaneous Operations	Y	
BAAQMD Regulation 11, Rule 10	**Hazardous Pollutants, Hexavalent Chromium Emissions from Cooling Towers (12/16/2015)**		
11-10-105	Limited Exemption, Recirculation Rates < 500 gallons per minute	N	07/01/16
11-10-107	Limited Exemption, Cooling Towers Servicing Hydrogen Production	N	07/01/16
11-10-304	Total Hydrocarbon Leak Monitoring Requirement	N	07/01/16
11-10-305	Leak Action Requirements	N	07/01/16
11-10-401	Petroleum Refinery Cooling Tower Reporting Requirements	N	07/01/16
11-10-402	Best Modern Practices	N	07/01/16
11-10-504	Operating Records	N	07/01/16
BAAQMD Condition 22122			
Part 2	Monitoring of dissolved solids (2-6-503, Regulation 3)	Y	
Part 6	Annual reporting of particulate emissions (Regulation 2-6-501, 3)	Y	
Part 7	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. DELETED APPLICATION 18231

D. DELETED APPLICATION 18231

E. DELETED APPLICATION 18231

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

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

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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

This condition was amended by Applications 483 in 1988, 10623 in 2005, 13424 in 2007, 13727 in 2009 and 21295 in 2010.

1. S324 API Separator shall be operated such that the liquid in the main separator basin is in full contact with the 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]

4. The sources below shall conduct monthly leak inspections in accordance with Regulation 8-8-603. After three consecutive inspections with no leaks detected that are not vapor-tight, inspections will be conducted quarterly for that source. If any leak is detected that is not vapor-tight during an inspection, then monthly inspections must be completed until there are three consecutive inspections without any leaks that are not vapor-tight. Any leak found by the owner/operator or BAAQMD that is not vapor-tight must be minimized within 24 hours and repaired within 7 days. Vapor-tight is 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 S-400 and S-401.

   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. Records shall be kept of each inspection in Part 4 and 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

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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]

7. This part will apply after VOC emissions at S1007 must be reduced to provide offsets for Application 13424 per Condition 22970, Part B. The owner/operator shall ensure that S1007, DAF, is controlled by A49, DAF Thermal Oxidizer or A51, DAF Carbon Bed, at all times of operation of S1007, except for up to 175 hours per any consecutive 12-month period for startup, shutdown, or maintenance.
[Offsets]
   a. Through source testing as described in Part 7(b) and 7(c), the owner/operator must demonstrate that the total reduction of emissions through use of A49, DAF Thermal Oxidizer and/or A51, DAF Carbon Bed will result in a total reduction of 44 tons POC per year, considering that abatement will not occur with either abatement device up to 175 hours per year. If initial testing does not demonstrate total reduction of 44 tons POC per year, the owner/operator may choose to:
      i. In the case of A49, DAF Thermal Oxidizer, perform 4 tests in one year and average the results. In this case, the tests will be performed no less than 2 months apart and no more than 4 months apart.
      ii. In the case of A51, DAF Carbon Bed, average the results of one year's worth of monitoring.
      If, after further testing, a total of 44 tons worth of POC reduction is not demonstrated, the owner/operator will supply offsets necessary to ensure a total reduction of 44 tons per year POC pursuant to BAAQMD Regulation 2-2-302.
   [Offsets, CEQA]

   b. The following conditions apply to operation of A49, DAF Thermal Oxidizer:
      i. Within 90 days of the startup date of A49, DAF Thermal Oxidizer, the owner/operator shall perform a source test to determine the following:
         1. Mass emissions rate for POC that is collected and sent to A49.
         2. Mass emissions rate for POC after abatement by A49.
         3. Mass emissions rate for H2S that is collected and sent to A49.
         4. Mass emissions rate for H2S after abatement by A49.
         5. Mass emissions rate for SO2

         During the source test, the owner/operator shall determine the temperature required to achieve 98.0% destruction by weight of POC or a concentration of 10 ppmv POC at the outlet. The temperature shall become an enforceable limit.

         For the purposes of determining the amount of POC controlled, the owner/operator shall use District Method ST-7, Organic Compounds. The owner/operator shall submit the source test results to the District Source Test Manager, the District Permit Evaluation Manager, and the District Director of Compliance and Enforcement no later than 60 days after any source test. [Offsets, CEQA]

      ii. After the initial source test required in Part 8 of this condition, the minimum temperature for A49 shall be 1445 degrees F. A49 shall not be operated below the minimum temperature except during an "Allowable Temperature Excursion" as defined below:

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1. Operation of A49 within 20°F below the minimum temperature
2. Operation of A49 more than 20°F below the minimum temperature for a period or periods which, when combined are less than or equal to 15 minutes in any hour; or
3. Operation of A49 more than 20°F below the minimum temperature for a period or periods which when combined are more than 15 minutes in any hour, provided that all three of the following criteria are met:
   a. The excursion does not exceed 50°F below the minimum temperature;
   b. The duration of the excursion does not exceed 24 hours; and
   c. The total number of such excursions does not exceed 12 per calendar year (or any consecutive 12 month period).

Two or more excursions greater than 15 minutes in duration occurring during the same 24-hour period shall be counted as one excursion toward the 12 excursion limit.
For each such excursion, sufficient records shall be kept to demonstrate that they meet the qualifying criteria described above. Records shall include at least the following information:

1. Temperature controller setpoint;
2. Starting date and time, and duration of each Allowable Temperature Excursion;
3. Measured temperature during each allowable Temperature Excursion;
4. Number of Allowable Temperature Excursions per month, and total number for the current calendar year; and
5. All strip charts or other temperature records.

[Offsets, CEQA]

iii. To determine compliance with the temperature limit in Part 9, A49, Thermal Oxidizer shall be equipped with a temperature measuring device capable of continuously measuring and recording the temperature in A49. The temperature device shall be installed and maintained in accordance with the manufacturer's recommendations, shall be ranged appropriately to measure the temperature limit determined, and shall have a minimum accuracy over the range of 1.0 percent of full-scale.

[Offsets, CEQA]

iv. Deleted Application 13427.

v. The owner/operator shall perform a source test to determine emissions of SO2 from A49, DAF Thermal Oxidizer using District Method ST-19A, Sulfur Dioxide, Continuous Sampling. The owner/operator shall submit the source test results to the District Source Test Manager, the District Permit Evaluation Manager and the District Director of Compliance and Enforcement no later than 60 days after any source test.

[Offsets, CEQA]

vi. If source test data per Part 7.b.v shows that the annual SO2 emissions are greater than 1.2 tons per year, the owner/operator shall provide additional SO2 offsets in accordance with BAAQMD Regulation 2-2-303.

[Offsets, CEQA]

c. The following conditions apply to A51, DAF Carbon Bed
   i. A51 shall consist of two or more activated carbon vessels arranged in series, with at least one carbon vessel in service except for up to 175 hours per any consecutive 12-month

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period for startup, shutdown, or maintenance.
[Offsets, CEQA]

ii. Total emission reduction of A51 shall be demonstrated through use of an in-line flowmeter, and the results of monitoring per the conditions below.
[Offsets]

iii. The owner/operator of A51 shall monitor with a photo-ionization detector (PID), flame-ionization detector (FID), or other method approved in writing by the Air Pollution Control Officer at the following locations:
1. The stream prior to any carbon vessels
2. At the inlet to the last carbon vessel in series
3. At the outlet of the carbon vessel that is last in series prior to venting to atmosphere
[Offsets]

iv. When using an FID to monitor breakthrough, readings may be taken with or without a carbon filter tip fitted on the FID probe. Concentrations measured with the carbon filter tip in place shall be considered methane for the purpose of these permit conditions.
[Offsets]

v. All breakthrough monitoring readings shall be recorded in a monitoring log each time they are taken. Readings shall be conducted on a daily basis initially, but after two months of daily collection, the owner/operator may propose for District review, based on actual measurements taken at the site during operation of the source, that the monitoring schedule be changed to weekly based on the demonstrated breakthrough rates of the carbon vessels. If the District Engineering Division does not disapprove of the proposed monitoring changes within 30 days, the owner/operator shall commence weekly monitoring.
[Offsets]

vi. The owner/operator shall utilize the activated carbon vessels in such a manner to ensure that the outlet stream to atmosphere contains below 10 ppm VOC or 98% reduction of VOC, whichever is greater.
[Offsets]

vii. The owner/operator of this source shall maintain the following records for each month of operation of A51:
1. The hours and times of operation
2. Each monitor reading or analysis result for the day of operation they are taken.
3. The number of spent carbon beds removed from service.
[Offsets]

8. Deleted Application 13427.

9. This part will apply after VOC emissions at S1007 must be reduced to provide offsets for Application 13424 per Condition 22970, Part B. The owner/operator shall seal the DAF outlet channel and downstream sumps by a solid cover with gaskets. Any vents installed on the covered channel shall be routed to the thermal oxidizer or an equivalent control as determined

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by the APCO. [Offsets, CEQA]

*10. The owner/operator must control with a thermal oxidizer at least 90% of the time on a consecutive 12-month basis, unless owner/operator controls H2S with an equivalent control device as determined by the APCO. [CEQA]

Alternate Operating Scenario

11. During periods when A49, DAF Thermal Oxidizer or A51, DAF Carbon Bed are not in operation, the owner/operator shall comply with the following requirements:
    a. Affected facility wastes routed to the API or DAF shouldshall be included in the facility TAB in accordance with 40 CFR 61, Subpart FF.
    b. The owner/operator shall comply with BAAQMD and SIP Regulations 8-8-307.2 in lieu of BAAQMD and SIP Regulations 8-8-307.1.
    c. S1007 shall not be subject to the closed vent and control device requirements in 40 CFR 61.349.
    d. The owner/operator shall comply with parts 4, 5, 7, and 9 of this condition during periods when A49, DAF Thermal Oxidizer or A51, DAF Carbon Bed are not in operation.

    This is considered an Alternate Operating Scenario in accordance with BAAQMD Regulation 2-6-409.7 and 40 CFR 70. The owner/operator shall keep a record in a contemporaneous log when a period of non-control at S1007 commences and when control of S1007 resumes. [40 CFR 61, Subpart FF, 40 CFR 70.6(a)(9), BAAQMD Regulation 2-6-409.7]

CONDITION 1694
This condition was amended by Applications 13424, 19360, and 23166.

Conditions for Combustion sources and SO2 Cap, except for Gas Turbines, Duct Burners, Engines, and S45, Heater (U246 B801 A/B)

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)
S7	U231/B103	1,536	64
S21	U244/B507	194.4	8.1

[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.

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District Source Number	Refinery ID Number	Daily Firing Limit (MM BTU/day)	Hourly Firing Rate (MM BTU/hr)
S2	U229/B301	528	22
S3	U230/B201	1,272	53
S4	U231/B101	2,304	96
S5	U231/B102	2,496	104
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
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
S336	U231/B104	2,664	111
S337	U231/B105	816	34
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. Deleted.2c. Deleted.

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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. This limit shall not include S45, Heater (U246) and shall not include any engine. [SO2 Bubble]

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

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

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
S9 U240/B2
S10 U240/B101
S11 U240/B201
S12 U240/B202

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S13 U240/B301
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]

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

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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.

[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

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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 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, S9, S10, S11, S12, S13, Heaters

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1b. Total fuel firing at Unit 240 (S9, S10, S11, S12, and S13) shall not exceed 616.4 MMbtu/hr (based on higher heating value) 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 (based on higher heating value) 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.
[Cumulative Increase]

4. The owner/operator shall not exceed the following NOx emission limits as measured by NOx CEMs:
   a. S10: 0.015 lb NOx per MMBtu heat input based on a 12 consecutive month average.
   b. S13: 0.015 lb NOx per MMBtu heat input based on a 12 consecutive month average.
   c. S15, S16, S17, S18 and S19 combined: 0.015 lb NOx per MMBtu heat input based on a 12 consecutive month average. [Basis: ConocoPhillips-EPA Consent Decree Case No. H-05-0258]

5. Deleted.

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. Heater S44 (Unit 200, B-201) shall be considered to be in normal operation whenever it has detectable fuel flow, and shall be considered to be out of service for the purpose of Regulation 9-10-301 whenever it has 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

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

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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.

VI. Permit Conditions

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 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]

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7. The owner/operator shall not receive more than 51,182 bbl per day of crude oil and/or gas oil delivered by tanker, barge or ship at the Marine Terminal (S425, S426) on a 12 month rolling average basis. In addition, no more than 59 tankers or ships shall deliver crude and/or gas oil to the Marine Terminal in any 12 consecutive months. (Cumulative increase, 2-1-403, Offsets)

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. Deleted.

11. Deleted.

12. Deleted,

13. Deleted.

14. Deleted Application 22906

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 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]

4. The owner/operator shall ensure that the throughput of S432 does not exceed 10,200 barrels/day.
[Cumulative Increase]

5. All pressure relief devices on the process unit shall be vented to a fuel gas recovery system, furnace, or flare with a recovery/destruction efficiency of 98%. [8-28-302, BACT]

VI. Permit Conditions

6. The owner/operator shall keep throughput records for this source on a daily basis. The records shall be kept on site for a period of at least 5 years and shall be made available for inspection by District staff upon request. [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)

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]

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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: TURBINES AND DUCT BURNERS

1. The gas turbines (S352, S353 and S354) and the heat recovery steam generator (HRSG) duct burners (S355,S356 and S357) shall be fired on refinery fuel gas or natural gas. [Cumulative Increase]

2. A HRSG 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 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

VI. Permit Conditions

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. (This condition will be invalid when the NOx emissions at these sources must be reduced to provide offsets for Application 13424.) [BACT, Cumulative Increase]

9b. This part will apply after NOx emissions at S352, S353, S354, S355, S356 and S357 must be reduced to provide offsets for Application 13424 per Condition 22970, Part B. The combined NOx emissions from S352, S353, S354, S355, S356 and S357 shall not exceed 66 lb/hr (averaged over any 3 hour period), and shall not exceed 79.8 tons in any consecutive 365 day period. NOx emissions from each turbine/duct burner set shall not exceed 528 lb/day. [BACT, Cumulative Increase, Offsets]

9c. NOx emissions from S352, S353, S354, S355, S356 and S357 shall be monitored with a District-approved continuous emission monitor. [BACT, Cumulative Increase]

9d. The owner/operator shall use a fuel meter to determine the heat input to each unit. This data shall be used to determine compliance with all throughput limits and the NOx, CO, and SO2 mass emission limits. [Cumulative Increase, 2-6-503]

10a. The combined CO emissions from S352, S353, S354, S355, S356 and S357 shall not exceed 200 tons in any consecutive 365 day period. [BACT, Cumulative Increase]

10b. CO emissions from S352, S353, S354, S355, S356 and S357 shall be monitored with a District-approved continuous emission monitor. [BACT, Cumulative Increase]

11. The combined POC emissions S352, S353, S354, S355, S356 and S357 shall not exceed 8.3 lb/hr and shall not exceed 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.

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[Cumulative Increase]

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

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

CONDITION 12124

CONDITIONS FOR S439, TANK (T-109)

1. The owner/operator shall ensure that S439 stores only crude oil or petroleum liquids with a vapor pressure of 3.0 psia or less. [BACT]

2. The following total throughput of crude oil shall not be exceeded in any rolling continuous 12 month period:

   10 million barrels [Cumulative Increase]

3. S439 shall operate with closed, gasketed covers on all tank openings except pressure relief valves and vacuum breaker valves. The owner/operator shall equip S439 with a BAAQMD approved roof with liquid mounted primary seal that meets the design criteria of BAAQMD Regulation 8-5-321.3 and secondary seal that meets the design criteria of BAAQMD Regulation 8-5-322.5. 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]

4. 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]

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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)

1. The owner/operator shall ensure that following total throughput limits are not exceeded in any rolling consecutive12 month period:

   a. 10 million barrels of gas oil.
   b. 10 million barrels of crude oil.
   c. 10 million barrels of gas oil and crude oil combined

   [Basis: Cumulative Increase]

2. The owner/operator shall only store the following in S442: gas oil with a true vapor pressure less than or equal to 3.0 psia, or crude oil with a true vapor pressure less than or equal to 11.0 psia. [Basis: Cumulative Increase]

3. The owner/operator shall operate S442 with closed, gasketed covers on all tank openings except pressure relief valves and vacuum breaker valves. The owner/operator shall equip S442 with a BAAQMD approved roof with liquid mounted primary seal that meets the design criteria of BAAQMD Regulation 8-5-321.3 and secondary seal that meets the design criteria of BAAQMD Regulation 8-5-322.5. 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. [Basis: BACT, Cumulative Increase]

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. [Basis: Cumulative Increase]

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]

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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]

CONDITION 12133
AMENDED BY APPLICATIONS 22023 (SEPT. 2010) AND 23726 (OCT 2011)
CONDITIONS FOR S-448 (T-1007)

CONDITIONS FOR S448, TANK (T-1007)

1. The following total throughput shall not be exceeded in any rolling continuous 12 month period, except that the throughput of materials that are not subject to Regulation 8, Rule 5 and 40 CFR Part 60 Subpart Kb is not restricted:

   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]

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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]

Alternate Operating Scenario

4. S-448 is under an Alternate Operating Scenario in accordance with BAAQMD Regulation 2-6-409.7 and 40 CFR 70 and either stores material subject to Regulation 8, Rule 5 and 40 CFR Part 60 Subpart Kb or stores material exempt from Regulation 8, Rule 5 and 40 CFR Part 60 Subpart Kb.
   a. The owner/operator shall keep a record in a contemporaneous log of the stored material.
   b. The owner/operator shall notify the District in accordance with section 40 CFR 60.113(a)(5) prior to storing materials in S-448 that are subject to Regulation 8, Rule 5 and 40 CFR Part 60 Subpart Kb.
   c. The owner/operator shall perform inspections required by Regulation 8, Rule 5 and 40 CFR Part 60 Subpart Kb prior to storing materials in S-448 that are subject to those regulations.

[40 CFR 70.6(a)(9), BAAQMD Regulation 2-6-409.7]

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]

CONDITION 16677

CONDITIONS FOR S376, S377, S378, 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:

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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 S380SILO

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. Deleted (S389 removed from operation).
2a. Baghouse A20 shall be equipped with differential pressure gauges to allow monitoring of baghouse operating condition. [Regulation 1-441]

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

2c. Deleted.

3. A record of all differential pressure readings for baghouse A20 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]

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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 6-1-301, 2-1-403]

5. The owner/operator shall comply with one of the following requirements if visual inspection is used:
   a. If EPA Method 9 is used, the owner/operator shall comply with Regulation 6-1-301 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 6-1-301 occurred (using EPA Method 9). [Regulation 2-6-501; 2-6-409.2]

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7. Deleted Application 12601.

8. The owner/operator shall operate and maintain a flare gas recovery system to control continuous or routing combustion in the Refinery Main Flare (S296). Use of a flare gas recovery system on a flare obviates the need to continuously monitor and maintain records of hydrogen sulfide in the gas as otherwise required by 40 CFR 60.105(a)(4) and 60.7. [Consent Decree Case No. 05-0258, paragraph 139(a)]

9. Recognizing that periodic maintenance may be required for properly designed and operated flare gas recovery systems, Phillips 66 will take all reasonable measure to minimize emissions while such periodic maintenance is being performed. Nothing in this part shall exempt the source from compliance with other applicable State and Local requirements. [Consent Decree Case No. 05-0258, paragraph 148]

10. The flare gas recovery system may be temporarily bypassed in the event of an emergency or in order to ensure safe operation of refinery processes. Nothing in this part shall exempt the source from compliance with other applicable State and Local requirements. [Consent Decree Case No. 05-0258, paragraph 149]

11. Phillips 66 shall eliminate the routes of continuous or intermittent, routinely-generated fuel gases to the MP-30 Flare (S398) and operate the flare such that it receives only process upset gases, fuel gas released as a result of relief valve leakage or gases released due to other emergency malfunctions.

12. Acid Gas or Hydrocarbon Flaring Incident Root Cause Analyses
The facility shall investigate the cause of acid gas and hydrocarbon flaring incidents, take reasonable steps to correct the conditions that have caused or contributed to such flaring incidents, and minimize such flaring incidents.

    For purposes of this specific part, acid gas flaring shall mean the continuous or intermittent combustion of acid gas and/or sour water stripper gas. Hydrocarbon flaring shall mean the continuous or intermittent combustion of refinery-generated gases, except for acid gas and/or sour water stripper gas and/or tail gas, that results in the emission of sulfur dioxide equal to, or greater than 500 pounds in a 24 hour period; provided, however, that if 500 pounds or more of sulfur dioxide have been emitted in a 24 hour period and flaring continues into subsequent, contiguous, non-overlapping 24 hour period(s), each period of which results in emissions equal to, or in excess of 500 pounds of sulfur dioxide, then only one flaring incident shall have occurred. Subsequent, contiguous, non-overlapping periods are measured from the initial commencement of flaring within the flaring incident.

    The owner/operator shall take, as expeditiously as practicable, such interim and/or long-term corrective actions, if any, as are consistent with good engineering practice to minimize the likelihood of a recurrence of the root cause and all contributing causes of the flaring incident(s). For purposes of this specific condition, Root Cause shall mean the primary cause(s) of a flaring incident(s) as determined through a process of investigation. To the extent that a flaring incident has as its root cause the bypass of a flare gas recovery system for safety or maintenance, the owner/operator is only required to keep a record of the date, time and duration of the event. A

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single Root Cause analysis may be used for root causes that occur routinely. Where the owner/operator has previously analyzed hydrocarbon incidents related to startup and shutdown, it may refer to those analyses when evaluating later incidents. Records of such investigations and corrective actions shall be kept onsite and shall be made available to District staff upon request. [Consent Decree Case No. 05-0258, paragraphs 152, 167]

13. Tail Gas RCA
Tail gas flaring shall mean combustion of tail gas that either is: (i) combusted in a flare and results in 500 pounds or more of SO2 emissions in any 24 hour period; or (ii) Combusted in a thermal incinerator and results in excess emissions of 500 pounds or more of SO2 emissions in any 24 hour period. Only those time periods which are in excess of a SO2 concentration of 250 ppm (rolling twelve-hour average) shall be used to determine the amount of excess SO2 emissions from the incinerator; provided, however, that if 500 pounds or more of sulfur dioxide have been emitted in a 24 hour period and flaring continues into subsequent, contiguous, non-overlapping 24 hour period(s), each period of which results in emissions equal to, or in excess of 500 pounds of sulfur dioxide, then only one flaring incident shall have occurred. Subsequent, contiguous, non-overlapping periods are measured from the initial commencement of flaring within the flaring incident.

The owner/operator shall take, as expeditiously as practicable, such interim and/or long-term corrective actions, if any, as are consistent with good engineering practice to minimize the likelihood of a recurrence of the Root Cause and all contributing causes of the flaring incident(s). For purposes of this specific condition, Root Cause shall mean the primary cause(s) of a flaring incident(s) as determined through a process of investigation. To the extent that a flaring incident has as its root cause the bypass of a flare gas recovery system for safety or maintenance, the owner/operator is only required to keep a record of the date, time and duration of the event. A single Root Cause analysis may be used for root causes that occur routinely. Where the owner/operator has previously analyzed hydrocarbon incidents related to startup and shutdown, it may refer to those analyses when evaluating later incidents. Records of such investigations and corrective actions shall be kept onsite and shall be made available to District staff upon request. [Consent Decree Case No. 05-0258, paragraph 152]

CONDITION 18629
Conditions for S352, S353, S354, S355, S356, S357

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.

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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 that such malfunction may cause.

V. Right to Entry

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

A. to enter upon the premises where the source is located or in which any records are required to be kept under the terms and conditions of this Approval to Construct/Modify; and
B. at reasonable times to have access to and copy any records required to be kept under the terms and conditions of this Approval to Construct/Modify; and
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~~are held invalid, the remainder of this Approval to Construct/Modify shall not be affected thereby.

VIII. Other Applicable Regulations

The owner/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

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

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

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 owner/operator 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, owner/operator 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 owner/operator 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, and shall not exceed a total of 153 tons per year (365 days)

G. Continuous Emission Monitoring

1. Prior to the date of startup and thereafter, the owner/operator 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.

2. The owner/operator 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

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inspection. The file shall be retained for at least two years following the date of such measurements, maintenance, reports and records.

3. The owner/operator 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. New Source Performance Standards
The proposed cogeneration facility is subject to the Federal regulations entitled Standards of Performance for New Stationary Sources (60). The owner/operator 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

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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.

   The applicant shall notify Source Test by email at gdfnotice@baaqmd.gov or by FAX at (510) 758-3087, at least 48 hours prior to any testing required for permitting. Test results for all performance tests shall be submitted within thirty (30) days of testing. Start-up tests results submitted to the District must include the application number and the GDF number. (For annual test results submitted to the District, enter "Annual" in lieu of the application number.) Test results may be submitted by email (gdfresults@baaqmd.gov), FAX (510) 758-3087) or mail to the District's main office.

CONDITION 19278
Conditions for S1002 and S1003

1. Deleted Application 12433

2. Deleted Application 12433

3. An annual District-approved source test shall be performed to verify compliance with the requirements of Regulation 6-1-330. A copy of the source test results shall be provided to the District Director of Compliance and Enforcement within 45 days of the test.
   [Basis: Regulation 6-1-330]

4. The Owner/Operator shall perform a visible emissions check on Sources S1002 and S1003 on a monthly basis. The visible emissions check shall take place while the equipment is operating

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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 6-1-301, 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 6-1-301, the owner/operator shall take corrective action and report the violation in accordance with Standard Condition 1.F of the Title V 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 6-1-301, 2-6-501, 2-6-503]

5. Within 90 days of issuance of the Major Facility review permit pursuant to Application 10994, the owner/operator shall perform source tests at the stacks of Tail Gas Incinerators A422 and A423 to determine compliance with BAAQMD Regulations 6-1-310 and 6-1-311 for filterable particulate using the existing single port. The owner/operator shall also utilize a District approved method to measure condensable particulate during annual particulate testing conducted under this part for a period of three years after issuance of the change of condition under application 27954. The APCO may administratively request that the owner/operator continue to perform annual condensable testing at the end of the three year period. The owner/operator shall submit a proposed source test protocol to the Source Test group at least 30 days before conducting the source test. Within 60 days of the source tests, the owner/operator shall submit the results of the source tests to the District. The owner/operator shall repeat the source tests on an annual basis. The District's Source Test Group will observe the initial test to determine if testing with a single port is acceptable for these stacks. If the Source Test Group finds that a single port is not acceptable, the District may reopen the permit to require installation of a second port at each stack. [2-6-503]

6. The owner/operator shall ensure that the throughput of molten sulfur at S-1002 and S-1003 does not exceed 106.3 long tons/day and 134.5 long tons/day, respectively. The owner/operator shall ensure that the throughput of molten sulfur at S-1002 and S-1003 combined does not exceed 201 long tons/day. The owner/operator shall ensure that the throughput of molten sulfur at S-1002 and S-1003 does not exceed 31,390 long tons/year and 41,975 long tons/year, respectively. The owner/operator shall record the throughput of molten sulfur on a monthly basis. [Basis: Cumulative Increase]

CONDITION 19488

CONDITIONS FOR S50, S51and S52 -TURBINE STARTUP DIESEL ENGINES

1. The owner/operator of turbine startup engines S50, S51 and S52 shall operate these engines no more than 60 hours combined total per calendar year. [Basis: "Stationary Diesel Engine

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ATCM 93115.3(j)]

2. The owner/operator shall maintain monthly records of the hours of operation for the engines in a District-approved log for at least 60 months from the date of entry. Log entries shall be retained on-site, either at a central location or at the engine's location, and made immediately available to the District staff upon request..[Basis: "Stationary Diesel Engine ATCM" 93115.10(f)]

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CONDITIONS FOR S53 - SPP EMERGENCY GENERATOR G-27

3. The owner/operator of emergency standby engine S53 shall operate this engine only for emergency use or for reliability-related activities. Operation for reliability-related activities shall not exceed 20 hours per year. [Basis: "Stationary Diesel Engine ATCM 93115.6(b)(3)(A)(1)(a)]

4. The owner or operator shall operate each emergency standby engine only for the following purposes: to mitigate emergency conditions, for emission testing to demonstrate compliance with a District, state or Federal emission limit, or for reliability-related activities (maintenance and other testing, but excluding emission testing). Operating while mitigating emergency conditions or while emission testing to show compliance with District, state or Federal emission limits is not limited.
[Basis: "Stationary Diesel Engine ATCM" 93115.6(b)(3)(A)(1)(a)]

5. The owner/operator shall operate this emergency standby engine only when a non-resettable totalizing meter (with a minimum display capability of 9,999 hours) that measures the hours of operation for the engine is installed, operated and properly maintained.
[Basis:"Stationary Diesel Engine ATCM" 93115.10(e)(1)]

6. The owner/operator shall maintain the following monthly records in a District-approved log for at least 60 months from the date of entry. Log entries shall be retained on-site, either at a central location or at the engine's location, and made immediately available to the District staff upon request.

   a. Hours of operation for reliability-related activities (maintenance and testing).
   b. Hours of operation for emission testing to show compliance with emission limits.
   c. Hours of operation (emergency)
   d. For each emergency, the nature of the emergency condition.
   e. The type of fuel used for the engine.
   f.

[Basis: "Stationary Diesel Engine ATCM" 93115.10(g)]

CONDITIONS FOR S56, S57, S58 AND S59 – FIREWATER PUMP ENGINES

7. Operating for reliability-related activities is limited to no more than 50 hours per year per engine which is the number of hours necessary to comply with the testing requirements of the National Fire Protection Association (NFPA) 25. These emergency fire pumps are subject to the current National Fire Protection Association (NFPA) 25 - "Standard for the Inspection, Testing and Maintenance of Water-Based Fire Protection Systems." [Basis: "Stationary Diesel Engine ATCM"93115.3(n)]

8. The owner/operator shall maintain the following monthly records in a District-approved log for at least 60 months from the date of entry. Log entries shall be retained on-site, either at a central location or at the engine's location, and made

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immediately available to the District staff upon request.

a. Hours of operation for reliability-related activities (maintenance and testing) related to the requirements of NFPA 25.
b. Hours of operation (emergency)
c. For each emergency, the nature of the emergency condition.
d. The type of fuel used for each engine.

[Basis: "Stationary Diesel Engine ATCM" 93115.10(g)]

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).

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]

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.

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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
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
*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
*125	NA for tank	1.05 E 7 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
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
*194	NA for tank	100 bbl

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source number	hourly / daily throughput limit	annual throughput limit (any consecutive 12-month period unless otherwise specified)
195	NA for tank	525,600 bbl
*216	NA for tank	4.6 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
294	20 gpm	400,000 gallons
305	Table II-A	10.22 E 6 bbl
306	Table II-A	7.67E6 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
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
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
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
435	Table II-A	6.6 E 6 bbl
436	Table II-A	4.7 E 6 bbl
437	Table II-A	10.4E 9 ft3
462	Table II-A	1.533 E 9 ft3
463	Table II-A	365,000 bbl
1007	Table II-A	3.68 E 9 gal

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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 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. 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]

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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 standby and 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, shutdowns, and standby mode (SCR temperature below 475 deg. F along with no fresh process feed). 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) 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]

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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, shutdowns, and standby mode (SCR temperature below 475 deg. F along with no fresh process feed). 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) [Regulation 2, Rule 5]

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]

5.c. The owner/operator shall measure CO concentrations using a District approved handheld monitor during the first standby mode, startup, and shutdown events after this condition is incorporated into the Title V permit. Thereafter, the owner/operator shall measure CO concentrations using a District approved handheld monitor once every three years to determine CO emission factors during startup, shutdown, and standby mode. The measured CO concentrations and fuel flow data will be used to develop an emission factor or emission factors for CO emissions during startup, shutdown, and standby mode. The owner/operator may record CO concentrations over a period of time and average the concentrations to establish a more representative emission factor for each operational mode. Hand-held portable monitors shall be operated, maintained and calibrated in accordance with manufacturer guidelines. [Cumulative Increase]

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

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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 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, standby mode, and heater dryout/warmup periods to determine compliance with parts 3b and 3c. The owner/operator shall calculate emissions from S461 for all periods using NOx CEM data, fuel flow rates, and District approved emission factors. The owner/operator of S461 shall not exceed the following annual emission rates including startup, shutdown, standby, heater dryout/warmup periods, and malfunctions.

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NOx: 2.86 tons/year
CO: 5.06 tons/year
POC: 0.79 tons/year

Year is defined as every consecutive 12-month period.
Month is defined as a calendar month.

The owner/operator shall keep the records for at least five years and shall make these records available to the District upon request. The owner/operator shall submit the basis for the CO emission factor(s) for each operating mode (startup, shutdown, standby mode, dryout/warmup periods) to the Director of the District's Engineering Division no later than 60 days after the measurements were taken as required by Part 5c of this condition. [2-6-503, Cumulative Increase]

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]

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]

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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 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]

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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)]

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]

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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.

[BACT, Cumulative Increase, Toxic Management]

CONDITION 21235

Regulation 9-10 Refinery-Wide Compliance

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

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	Yes
4	U231, B-101 Heater	Yes
5	U231, B-102 Heater	Yes
7	U231, B-103 Heater	Yes
9	U240, B-2 Boiler	Yes
10	U240, B-101 Heater	Yes
11	U240, B-201 Heater	Yes
12	U240, B-202 Heater	Yes
13	U240, B-301 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	Yes
30	U200, B-101 Heater	Yes
31	U200, B-501 Heater	No
43	U200, B-202 Heater	Yes

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44 U200, B-201 PCT Reboil Furnace Yes
336 U231 B-104 Heater Yes
337 U231 B-105 Heater Yes
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. [Regulation 9-10-502]

3. The owner/operator shall operate each source listed in Part 1, that 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 asfollows: 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 9-10-502]

4. The owner/operator shall establish the initial NOx box for each source subject to Part 3. 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 O2 at high-fire. The same is true for the maximum O2). The owner/operator shall also verify the accuracy of the O2 monitor on an annual basis.
c. Determine the highest NOx emission factor (lb/Mmbtu) over the preferred operating ranges while maintaining CO concentration below 200 ppm; the owner/operator may choose to use a higher NOx emission factor than tested.
d. Plot the points representing the desired operating ranges on a graph. The resulting polygon(s) is 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 basedparameters 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.

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

a. NOx Box ranges

Source No.	Emission Factor	Point 1	Point 2	Point 3	Point 4	Point 5
	(lb/MMBtu)	(O_2%, MMBtu/hr)				
2	0.031	N/A, 4.4	N/A, 4.4	N/A, 22	N/A	N/A, 22
11	0.058	1.3, 21.6	1.3, 98.8	2.5, 104	3.0, 95.2	3.0, 21.6
11	0.062	3.0, 21.6	3.0, 95.2	5.6, 89	5.6, 21.6	
12	0.0241	1.6, 8.4	1.6, 21	2.2, 31	3, 31	3, 8.4
12	0.0344	3, 8.4	3, 31	5.0, 31	6, 30	6, 8.4
20	0.036	N/A, 4.6	N/A, 4.6	N/A, 23	N/A	N/A, 23
22	0.036	2.1, 6.2	2.1, 24	4.4, 24	4.7, 21	4.7, 6.2
22	0.050	4.7, 6.2	4.7, 21	10, 20.3	10, 6.2	
31	0.055	N/A, 4	N/A, 4	N/A, 20	N/A	N/A, 20

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. (Reg. 9- 10-502). See Part 7 for the consequences of source test results that exceed the emission factors in Part 5.

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 60 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 CO limit in

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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. *The change will be considered to be an administrative change for the purpose of the District permit and a minor revision for the purpose of the Major Facility Review permit.*

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 apply the higher emission factor retroactively to the date of the previous source test and provide sufficient NOx IERCs for that time period to ensure the facility is in compliance with the refinery wide limit specified in Regulation 9-10-301. The owner/operator will be in violation of Regulation 9-10-301 for each day there are insufficient NOx IERCs provided to bring the refinery wide average into compliance with Regulation 9-10-301. 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.

6b. The owner/operator must report conditions outside of box within 96 hours of occurrence.

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 60 days of the test. [Regulation 9-10-502]

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 60 days of the test.

[Regulation 9-10-502]

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.

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.

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 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

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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]

*11. The sources listed in Part 1 of this condition make up the group of sources that are operating under an Alternative Compliance Plan (ACP). The owner/operator shall demonstrate compliance with their ACP and with Regulation 9-10-301 by keeping a spreadsheet of the ACP calculations in a District approved format.
[basis:Regulation 2-9-303, 9-10-301]

Conditions for use of IERCs for compliance with Regulation 9-10-301:

*12. The owner/operator shall submit quarterly reports to the APCO, within 30 days following the end of each calendar quarter, or other 3-month interval established in the plan. Each quarterly report shall include:

a. ummary of the amount of IERC's used during the previous quarter;
b. Sum of all IERC's used during the current ACP period;
c. A projection of the IERC's that are needed for the entire ACP period based on the IERC usage rates calculated in Parts 12a and 12b of this condition, including the Environmental Benefit Surcharge, per Regulation 2-9-309; and
d. Certification that the facility possesses IERC's equal to the amount projected in Part 12c of this condition or a description of how the facility will adjust its operat ion so that the amount of IERC's does not exceed the amount of IERC's possessed by the facility.

[basis: Regulation 2-9-502.3]

*13. The owner/operator shall submit an annual reconciliation report to the APCO within 30 days of following the end of the ACP period, and surrender the banking certificate(s) for all IERC's used during the ACP period, including the environmental benefit surcharge, per Regulation 2-9-309. [basis:Regulation 2-9-502.4]

*14. The ACP must be reviewed and approved by the APCO on an annual basis. The owner/operator shall submit all necessary documents mentioned in Regulation 2-9-303 with ACP renewal request. [basis: Regulation 2-9-303]

*15. The owner/operator shall retain records for five years from the date the record was made, and shall submit such information as required by the APCO to determine compliance with the ACP. [basis: Regulation 2-9-502.2]

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CONDITION 22121
For Sources S452, S453, S455, S457, S458, S500, Cooling Towers (Applications 10349, 14112, 17465, and 27798)

1. Deleted.

2. Deleted.

3. Deleted.

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. Deleted.

6. Deleted.

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. Deleted.
   b. Deleted.
   c.
   d. Records of monthly determination of total dissolved solids
   e. Deleted.
   f. Deleted.
   [Regulation 2-6-501]

CONDITION 22122
For Source S456, Cooling Tower (Application 10349)

1. Deleted.

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. Deleted.

4. Deleted.

5. Deleted.

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6. 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]

7. The owner/operator shall maintain the following records for five years from the date of record:
   a. Deleted.
   b. Records of monthly determination of total dissolved solids
   c. Deleted.
   d. Deleted.
   (Regulation 2-6-501)

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 water and petroleum liquid with a true vapor pressure less than or equal to 3.0 psia. [Cumulative Increase]

2. The owner/operator shall ensure that S124 contains only water and petroleum liquid with a true vapor pressure less than or equal to 11.0 psia. [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 petroleum liquid with a true vapor pressure less than or equal to 3.0 psia. [BACT, 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 petroleum liquids at S124 does not exceed 3,000,000 barrels/yr. [Cumulative Increase]

7. T The owner/operator shall ensure that the throughput of crude oil or other petroleum liquids at S334 does not exceed 10,000,000 barrels/any consecutive 12-month period. [Cumulative Increase]

8a. The owner/operator shall equip S123, S124, and S186 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]

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8b. The owner/operator shall operate S334 with closed, gasketed covers on all tank openings except pressure relief valves and vacuum breaker valves. The owner/operator shall equip S334 with a BAAQMD approved roof with liquid mounted primary seal that meets the design criteria of BAAQMD Regulation 8-5-321.3 and secondary seal that meets the design criteria of BAAQMD Regulation 8-5-322.5. 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]

9. The owner/operator shall calculate the emissions of 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 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 ensure that the throughput of petroleum liquids excluding diesel at S318 does not exceed 41,300,000 barrels/yr. [Cumulative increase]

3. 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

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Increase]

4. All pressure relief devices on the process unit shall be vented to a fuel gas recovery system, furnace, or flare with a recovery/destruction efficiency of 98%. [8-28-302, BACT]

CONDITION 22951

Permit Conditions for Healy EVR Phase II System w/o ISD per CARB E.O. VR-201

1. The Healy EVR Phase II Vapor Recovery System without ISD, including all associated underground plumbing, shall be installed, operated, and maintained in accordance with the most recent revision of the California Air Resources Board (CARB) Executive Order VR-201. 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/operator of the facility shall maintain records in accordance with the following requirements. Records shall be maintained on site and made available for inspection for a period of 24 months from the date the record is made.
a. Monthly throughput of gasoline pumped, summarized on an annual basis

b. All scheduled maintenance activities required under E.O. VR-201, Exhibit 2, Figure 2B-11.

3. All applicable components shall be maintained to be leak free and vapor tight. Leak Free, as per BAAQMD (District) Regulation 8-7-203, is a liquid leak of no greater than three drops per minute. Vapor Tight as defined in District Manual of Procedures, Volume IV, ST-30.

4. The Healy EVR Phase II system shall be capable of demonstrating on-going compliance with the vapor integrity requirements of CARB Executive Order VR-201. The owner or operator shall conduct and pass the following tests at least once in each 12-month period following successful completion of start-up testing. Tests shall be conducted using the referenced test methods:

a. Vapor-to-Liquid Test in accordance with E.O. VR-201, Exhibit 5. The vapor-to-liquid ratio shall be between 0.95 and 1.15 when measured at dispensing rates between 6 and 10 gallons per minute.

b. Healy Clean Air Separator Static Pressure Performance test in accordance with E.O. VR-201, Ex. 4.

c. Static Pressure Performance Test, in accordance with CARB Test Procedure TP-201.3 (3/17/99). If the tank size is 500 gallons or less, the test shall be performed on an empty tank.

5. The applicant shall notify Source Test by email at gdfnotice@baaqmd.gov or by FAX at (510) 758-3087, at least 48 hours prior to any testing required for permitting. Test results for all performance tests shall be submitted within thirty (30) days of testing. Start-up tests results submitted to the District must include the application number and the GDF number. (For annual test results submitted to the

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District, enter "Annual" in lieu of the application number.) Test results may be submitted by email (gdfresults@baaqmd.gov), FAX (510) 758-3087) or mail to the District's main office.

6. The maximum length of the coaxial hose assembly, including breakaway, swivels, and whip hoses, shall be twenty (20) feet. The maximum allowable length of hose which may be in contact with the top of the island block or the ground shall be six (6) inches.

7. The dispensing rate shall not exceed ten (10.0) gallons per minute (gpm), nor be less than six (6.0) gpm with the trigger at the highest setting. Compliance with this condition shall be verified with only one nozzle in operation per product supply pump.

8. All ball valves shall be positioned for normal operation as shown in E.O. VR-201, Ex. 2, Figs. 2B-5 through 2B-9 except when necessary for testing and maintenance.

9. The Healy EVR Phase II Vapor Recovery System without ISD shall be maintained in accordance with the System Operating Manual approved by CARB.

10. No dispensing shall be allowed when a vapor collection pump is disabled for maintenance or for any other reason. Only those nozzles affected by the disabled vapor collection pump are subject to this condition.

11. Permanent access to vacuum assist equipment shall be provided for the purpose of inspection and/or testing.

12. The Healy EVR Phase II Vapor Recovery System without ISD shall be retrofitted with ISD controls as required by CARB.

CONDITION 22962
Source 45, U246 B-801 A/B Heater

1. The owner/operator of the S45 heater shall fire only refinery fuel gas and/or natural gas at this unit. [BACT, Cumulative Increase]

2. Based on refinery gas HHV, the owner/operator of S45 shall not exceed the following firing rates:

   a. 85 MMbtu/hr
   b. 744,600 MMbtu in any consecutive 12-month period. [Cumulative Increase]

3. The owner/operator of S45 shall abate emissions from S45 at the A47 SCR system whenever S45 is operated, except that S45 may operate without SCR abatement on a temporary basis for periods of standby and planned or emergency maintenance. A District-approved NOx CEM shall monitor and record the S45 NOx emission rate whenever S45 operates without abatement. All emission limits applicable to S45 shall remain in effect even if it is operated without SCR abatement. [BACT, Cumulative Increase]

4. The owner/operator of S45 shall not exceed the following emission concentrations or rates from S45/A47 except during startups, shutdowns, and standby mode (SCR temperature below 475

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deg. F along with no fresh process feed). Startups and shutdowns shall not exceed 48 consecutive hours. The 48 consecutive-hour startup period is in addition to heater dryout/warmup periods, which shall not exceed 24 consecutive hours.

a. NOx: 5 ppmv @ 3% oxygen (3 hr average) [BACT, Cumulative Increase]
b. CO: 28 ppmv @ 3% oxygen (3 hr average) when operating under 30 MMbtu/hr [BACT, Cumulative Increase, 40 CFR 63.52(a)]
c. POC: 5.5 lb/MM ft3 [Cumulative Increase]
d. PM10: 7.6 lb/MM ft3 [BACT, Cumulative Increase]
e. CO: 10 ppmv @ 3% oxygen (3 hr average) when operating over 30 MMbtu/hr [BACT, Cumulative Increase, 40 CFR 63.52(a)]

If the heater operates at rates below and above 30 MMbtu/hr in any 3-hour period, the CO limit shall be a weighted average.

5. *The owner/operator of S45 shall not exceed the following emission rate from S45/A47 except during startups and shutdowns and standby mode (SCR temperature below 475 deg. F along with no fresh process feed). Startups and shutdowns shall not exceed 48 consecutive hours. The 48 consecutive-hour startup period is in addition to heater dryout/warmup periods, which shall not exceed 24 consecutive hours.

Ammonia: 15 ppmv @ 3% oxygen (8 hr average) [Regulation 2, Rule 5]

6. The owner/operator of S45 shall not exceed the following annual emission rates from S45/A47 including startups, shutdowns, standby mode, and malfunctions.
a. NOx: 2.3 tons/yr [BACT, Cumulative Increase]
b. CO: 2.8 tons/yr [BACT, Cumulative Increase]
c. POC: 1.5 tons/yr [Cumulative Increase]
d. PM10: 1.9 tons/yr [BACT, Cumulative Increase]
e. SO2: 4.7 tons/yr [BACT, Cumulative Increase]

The owner/operator shall calculate emissions from S45 using NOx CEM data and District approved emission factors.

Year is defined as every consecutive 12-month period. Month is defined as calendar month.

The owner/operator shall submit the basis for the CO emission factor(s) for each operating mode (startup, shutdown, standby dryout/warmup periods) to the Director of the District's Engineering Division no later than 60 days after the measurements were taken as required by Part 9a of this condition.

7. The owner/operator shall equip S45 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]

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8. The owner/operator shall install, calibrate, maintain, and operate District-approved continuous emission monitors and recorders 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]

9a. The owner/operator shall conduct District-approved source tests two times per year to determine compliance with the CO limit. The tests shall be no less than 4 months apart and no more than 8 months apart. The source tests shall be performed on the heater in an as-found condition. CO source tests performed by the District may be substituted for semi-annual CO source tests. If the heater exceeds the limits in parts 4b or 4e more than once in any 3-year period, the owner/operator shall install, calibrate, maintain, and operate a District-approved continuous emission monitor and recorder for CO within the time period specified in the District Manual of Procedures after the second exceedance of the limits in parts 4b or 4e. The owner/operator shall keep CO data for at least five years and shall make these records available to the District upon request.

For tests conducted by the owner/operator, the owner/operator shall conduct the source tests in accordance with Part 17. The owner/operator shall submit the source test results to the Director of Compliance and Enforcement, the Source Test Manager, and the Manager of Permit Evaluation at the District no later than 60 days after the source test.
[BACT, Cumulative Increase]

9b. The owner/operator shall measure CO concentrations using a District approved handheld monitor during the first standby mode, startup, and shutdown events after this condition is incorporated into the Title V permit. Thereafter, the owner/operator shall measure CO concentrations using a District approved handheld monitor once every three years to determine CO emission factors during startup, shutdown, and standby mode. The measured CO concentrations and fuel flow data will be used to develop an emission factor or emission factors for CO emissions during startup, shutdown, and standby mode. The owner/operator may record CO concentrations over a period of time and average the concentrations to establish a more representative emission factor for each operational mode. Hand-held portable monitors shall be operated, maintained and calibrated in accordance with manufacturer guidelines.

10. The owner/operator shall use only refinery fuel gas and/or natural gas at S45 that does not exceed 100 ppmv total sulfur, averaged over a calendar month. [BACT, Cumulative Increase]

11. The owner/operator shall test refinery fuel gas prior to combustion at S45 to determine total sulfur concentration by GC analysis or with a total sulfur analyzer (Houston Atlas or equivalent) 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. [BACT, Cumulative Increase]

12. To demonstrate compliance with Part 10, the owner/operator shall measure and record the daily average sulfur content. The owner/operator shall keep records of sulfur content in fuel gas for at least five years and shall make these records available to the District upon request. [BACT, Cumulative Increase]

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13. Deleted Application 13427.

14. The owner/operator shall record the duration of all startups, shutdowns, standby mode, and heater dryout/warmup periods to determine compliance with parts 4, 5, and 6. 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]

15. Prior to the commencement of construction, the owner/operator shall submit plans to the District's Source Test Manager to obtain approval of the design and location of the source test ports. The sample ports shall be installed in accordance with Manual of Procedures, Volume 4, Section 1.2.4. (basis: Regulation 1-501)

16. No later than 90 days from the startup of S45, the owner/operator shall conduct District-approved source tests to determine initial compliance with the limits in Part 4 for NOx, CO, POC, PM10 and ammonia, and the emission rate of sulfuric acid mist. For PM10, USEPA Methods 201 and 202 with the back-half ammonium sulfate subtracted shall be used. The owner/operator shall conduct the source tests in accordance with Part 17. 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, Regulation 2, Rule 5]

17. The owner/operator shall comply with all applicable requirements for source tests specified in Volume IV of the District's Manual of Procedures and 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 Manager, in writing, of the source test protocols and projected test dates at least 7 days prior to testing. [BACT, Cumulative Increase, Regulation 2, Rule 5]

CONDITION 22963
For Sources S98 (Tank 101), S122 (Tank 167), S128 (Tank 174), S139 (Tank 204); S140 (Tank 205)

This condition was established by Application 13424 in October 2007 and amended by Application 18743 in February 2009.

1. The owner/operator shall ensure that the following tanks contain only petroleum liquids with true vapor pressures less than or equal the vapor pressures below.
   a. S98 — 11 psia October through March
   b. S98 — 8.5 psia April through September
   c. Deleted.
   d. S122 — 11 psia
   e. S128 — 4.4 psia
   [Cumulative Increase]

2. The owner/operator shall ensure that the throughput of petroleum liquids at the following tanks do not exceed the following throughput limits.
   a. S98 — 3,723,000 barrels October through March
   b. S98 — 3,723,000 barrels April through September

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c. Deleted.d. S122 2,000,000 barrels per consecutive 12-month period
e. S128 5,100,000 per consecutive 12-month period
[Cumulative Increase]

3. The owner/operator shall ensure that S139 and S140 are abated by A7, Vapor Recovery System. [8-5-301, 40 CFR 61, Subpart FF]

4. The owner/operator shall equip S98, S122, and S128 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]

CONDITION 22964
Sources S301, S302, S303, S465, Sulfur Pits, and S1010, Sulfur Recovery Unit

1. The owner/operator shall ensure that the throughput of molten sulfur at S301, S302, and S303 combined does not exceed 98,915 long tons per consecutive 12-month period. [Cumulative Increase]

2. The owner/operator shall ensure that the throughput of molten sulfur at S465 does not exceed 73,000 long tons per consecutive 12-month period. [Cumulative Increase]

3. The owner/operator shall ensure that S465, Sulfur Pit, is controlled at all times by S1010, Sulfur Recovery Unit. [Cumulative increase, 40 CFR 60.104(b)]

4. The owner/operator shall ensure that S301, Molten Sulfur Pit, is abated by A8, Stretford Evaporative Cooler. [Consent Decree Case No. 05-0258, paragraph 123, DATE: 1/27/05; Consent Decree Case No. 05-0258 amendment, paragraph 123, DATE: 5/1/07; 40 CFR 60.104(a)(2)(i)]

5. The owner/operator shall ensure that S302, Molten Sulfur Pit, is abated by A9, Stretford Evaporative Cooler. [Consent Decree Case No. 05-0258, paragraph 123, DATE: 1/27/05; Consent Decree Case No. 05-0258 amendment, paragraph 123, DATE: 5/1/07; 40 CFR 60.104(a)(2)(i)]

6. The owner/operator shall ensure that S303, Molten Sulfur Pit, is abated by A10, Stretford Evaporative Cooler. [Consent Decree Case No. 05-0258, paragraph 123, DATE: 1/27/05; Consent Decree Case No. 05-0258 amendment, paragraph 123, DATE: 5/1/07; 40 CFR 60.104(a)(2)(i)]

7. Notwithstanding the requirements of parts 4-6, the owner/operator may disconnect the vent lines from S301, S302, and S303, Molten Sulfur Pits, to A8, A9, and A10, Stretford Evaporative Coolers, for periodic maintenance without penalty, as long as the owner/operator takes reasonable measures to minimize emissions while such periodic maintenance is being performed.

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[Consent Decree Case No. 05-0258 amendment, paragraph 123, DATE: 5/1/07]

8. The owner/operator shall maintain monthly records of throughput at S301, S302, and S303 combined. These records shall be maintained on site for a minimum of 5 years and shall be made available to District staff upon request. [Cumulative Increase]

9. The owner/operator shall maintain monthly records of throughput at S465. These records shall be maintained on site for a minimum of 5 years and shall be made available to District staff upon request. [Cumulative Increase]

CONDITION 22965
Source S307, U240 Unicracking Unit

1. The owner/operator shall ensure that the combined throughput of S307 and S-434 does not exceed 69,000 barrels/day. [Cumulative Increase]

2. The owner/operator shall keep throughput records for this source on a daily basis. The records shall be kept on site for a period of at least 5 years and shall be made available for inspection by District staff upon request. [Cumulative Increase]

3. All pressure relief devices on the process unit shall be vented to a fuel gas recovery system, furnace, or flare with a recovery/destruction efficiency of 98% by weight. [8-28-302, BACT]

CONDITION 22966
Source S308, U244 Reforming Unit

1. The owner/operator shall ensure that the throughput of S308 does not exceed 18,500 barrels/day.

2. The owner/operator shall keep throughput records for this source on a daily basis. The records shall be kept on site for a period of at least 5 years and shall be made available for inspection by District staff upon request. [Cumulative Increase]

3. All pressure relief devices on the process unit shall be vented to a fuel gas recovery system, furnace, or flare with a recovery/destruction efficiency of 98% by weight. [8-28-302, BACT]

CONDITION 22967
Source S309, U248 Unisar Unit

1. The owner/operator shall ensure that the throughput of S309 does not exceed 16,740 barrels/day.

2. The owner/operator shall keep throughput records for this source on a daily basis. The records shall be kept on site for a period of at least 5 years and shall be made available for inspection by District staff upon request. [Cumulative Increase]

CONDITION 22968
Source S339, U80 Gasoline/Mid Barrel Blending

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1. The owner/operator shall ensure that the throughput of S339 does not exceed 52,600,000 barrels over any rolling 12-month period.

2. The owner/operator shall keep throughput records for this source on a daily basis. The records shall be kept on site for a period of at least 5 years and shall be made available for inspection by District staff upon request. [Cumulative Increase]

CONDITION 22969

Source S434, U246 High Pressure Reactor Train (Cracking)

1. The owner/operator shall ensure that the throughput of S434 does not exceed 9,855,000 barrels over any rolling 12-month period. [Cumulative Increase]

2. The owner/operator shall keep throughput records for this source on a monthly basis. The records shall be kept on site for a period of at least 5 years and shall be made available for inspection by District staff upon request. [Cumulative Increase]

3. All pressure relief devices on the process unit shall be vented to a fuel gas recovery system, furnace, or flare with a recovery/destruction efficiency of 98% by weight. [8-28-302, BACT]

CONDITION 22970

A. CFEP Project Mass Emission Limits

1. Following are the sources that are subject to Condition 22970, parts A2, A4, and A.5:
   S45, Heater (U246 B-801 A/B)
   S434, U246 High Pressure Reactor Train (Cracking)
   S1010, U235 Sulfur Recovery Unit
   [Cumulative increase, PSD]

2. The owner/operator shall ensure that the annual emissions of the above sources do not exceed the following annual emission limits, including startup, shutdown, malfunction, and upset emissions.

a.	NOx	13.5 tpy [Cumulative increase]
b.	SO2	34.4 tpy [Cumulative increase]
c.	PM10	2.9 tpy [Cumulative increase, PSD]
d.	POC	1.9 tpy [Cumulative increase]
e.	CO	40.72 tpy [Cumulative increase]
f.	Sulfuric acid mist	6.01 tpy [PSD]
*g.	Ammonia	6.35 tpy [BAAQMD Regulation 2, Rule 5]

3. The owner/operator shall ensure that the daily emissions of the CFEP, including source S2 at Facility B7419, do not exceed the following daily emission limit, including startup, shutdown, malfunction, and upset emissions.

a.	Sulfuric acid mist	38 lb/day [PSD]

4. The owner/operator shall determine whether the emissions are below the allowable emissions in Part A.2, as shown below. The owner/operator shall calculate and report the emissions of NOX, SO2, PM10, POC, CO, and sulfuric acid mist on an annual basis in the following manner.
   a. For Source S45, Heater

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i. Use the mass emissions data generated by the NOx CEM at S45.
ii. Use the emissions rates determined by semi-annual source tests for CO at S45.
iii. Use the emissions rates determined by initial source test for POC, PM10, and sulfuric acid mist at S45.
iv. *Use the emissions rates determined by initial source test for ammonia at S45.
v. Use the sulfur analysis of fuel required by Condition 22862, part 11 at S45.
[Cumulative increase, PSD, BAAQMD Regulation 2, Rule 5]

b. For Source S1010, Sulfur Recovery Unit
i. Use the mass emissions data generated by the SO2 and CO CEMs at S1010.
ii. Use the emissions rates determined by annual source tests for NOx and sulfuric acid mist at S1010.
iii. *Use the emissions rates determined by annual source test for ammonia at S1010.
iv. Use the emissions rates determined by initial source test for POC and PM10 at S1010.
[Cumulative increase, PSD, BAAQMD Regulation 2, Rule 5]

c. For the refinery flare S296
i. Calculate any emissions caused by venting the contents of any part of the sulfur recovery unit including S1010, A48, and A424 to the refinery flare.
ii. Calculate any emissions caused by venting the contents of any part of S434 to a refinery flare.
iii. The owner/operator shall calculate any emissions caused by venting the feed to Facility B7419, sources S1 or S2 to the refinery flare.
[Cumulative increase, PSD, BAAQMD Regulation 2, Rule 5]

5. If the annual emissions, as determined in part 4, are above the allowable emissions in part A.2, the owner/operator shall supply additional offsets, where applicable, and perform additional analysis for PSD, if necessary**.** The results of the analysis shall be submitted to the Director of Compliance and Enforcement on an annual basis on the anniversary of the startup of S1010 or S434, whichever is earlier. [Offset, PSD]

6. The annual emissions of the following sources shall not exceed 16.7 tons PM10/yr: S45, S434, and S1010 at Facility A0016, and S2 and S3 at Facility B7419. If the emissions exceed 16.7 tons per year, the owners/operators of Facilities A0016 and B7419 shall provide contemporaneous offsets of PM10 that comply with BAAQMD Regulations 2-2-201 and 2-2-605. The owners/operators shall use the following data to calculate the annual PM10 emissions:
a. The emissions rate of PM10 determined by the initial source tests at S45 and S1010 at Facility A0016
b. The emissions rate of PM10 determined by the initial source test at S2 at Facility B7419
c. The emissions rate of PM10 calculated for venting the contents of any part of S434 to a refinery flare
d. The emissions rate of PM10 calculated for venting the contents of any part of S1010, A48, and A424 to a refinery flare
e, The emissions rate of PM10 calculated for operation of S3, Hydrogen Plant Flare, at Facility B7419

The results of the analysis shall be submitted to the Director of Compliance and Enforcement on an annual basis on the anniversary of the startup of S1010 or S434 at Facility A0016 or S2 at Facility B7419, whichever is earlier. [1-104, 2-2-304]

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CONDITION 23125
Source S1010, U235 Sulfur Recovery Unit, S503, Sulfur Storage Tank, S504, Sulfur Degassing Unit, S505, Sulfur Truck Loading Rack

For the purposes of this condition, total reduced sulfur shall mean dimethyl disulfide, dimethyl sulfide, hydrogen sulfide, and methyl mercaptan; and reduced sulfur compounds shall mean hydrogen sulfide, carbonyl sulfide, and carbon disulfide.

1. The owner/operator shall ensure that the throughput of molten sulfur at S1010 does not exceed 200 long tons/day. [Cumulative Increase]

2. The owner/operator shall ensure that the throughput of molten sulfur at S503 does not exceed 471 long tons/day. [Cumulative Increase]

3. The owner/operator shall ensure that S1010 is abated at all times of operation by A48, SRU Tail Gas Treatment Unit, and A424, Incinerator. [Cumulative Increase]

4. The owner/operator shall ensure that S503, Sulfur Storage Tank, S504, Sulfur Degassing Unit, and S505, Sulfur Truck Loading Rack, are controlled at all times of operation by the Claus reaction furnace at S1010 or S1003, Sulfur Recovery Units. [Cumulative Increase, 2-1-305]

5. All pressure relief devices on S1010 shall be vented to a fuel gas recovery system, furnace, or flare with a recovery/destruction efficiency of 98%. [8-28-302, BACT]

6. The owner/operator shall ensure that the supplemental fuel used at A424, Tail Gas Incinerator, is PUC quality natural gas. [BACT]

7. The owner/operator shall not exceed the following emission concentrations from S1010/A48/A424:
   a. SO2 50 ppmv, dry, @ 0% O2, 24-hour basis. [BACT]
   b. CO 75 ppmvd, dry, @ 7% O2, 1-hour basis. [BACT]
   c. NOx 42.2 ppmv, dry, @ 7% O2, 1-hour basis. [BACT]

*8. The owner/operator shall not exceed the following emission concentrations from S1010/A48/A424:
   a. NH3 12.5 ppmv @ 7% O2, 24-hour basis [Regulation 2, Rule 5]
   b. H2S: 2.5 ppmv @ 0% O2, 24-hour basis [Regulation 2, Rule 5]

9. The owner/operator shall not exceed the following hourly limits from S1010/A48/A424:
   a. NOx: 8.0 lb/hr [2-1-305]
   *b. H2S: 0.23 lb/hr [Regulation 2, Rule 5]
   *c. NH3: 0.88 lb/hr [Regulation 2, Rule 5]

10. The owner/operator shall ensure that daily emissions, including startups, shutdowns, upsets, and malfunctions, from S1010/A48/A424 do not exceed the following limits:
   a. Sulfuric acid mist: 31 lb/day [PSD]
   b. PM10: 9.5 lb/day [2-1-301]

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11. The owner/operator shall ensure that that annual emissions, including startups, shutdowns, upsets, and malfunctions, from S1010/A48/A424, do not exceed the following limits per any consecutive 12-month period:

a.	SO2:	29.7 tons	[BACT, Cumulative Increase]
b.	NH3:	3.85 tons	[Regulation 2, Rule 5]
c.	CO:	37.9 tons	[BACT, Cumulative Increase]
d.	NOx:	11.2 tons	[BACT, Cumulative Increase]
e.	POC:	0.43 tons	[Cumulative Increase]
f.	PM10:	1.19 tons	[Cumulative Increase]
g.	Sulfuric acid mist:	5.65 tons	[2-1-301]
*h.	H2S:	0.975 tons	[Regulation 2, Rule 5]
i.	Total Reduced Sulfur:	10 tons	[PSD]
j.	Reduced Sulfur Compounds:	10 tons	[PSD]
k.	H2S:	10 tons	[PSD]

12. Prior to the commencement of construction, the owner/operator shall submit plans to the District's Source Test Division to obtain approval of the design and location of the source test ports. The sample ports shall be installed in accordance with Manual of Procedures, Volume 4, Section 1.2.4. Ports for filterable particulate and PM10 testing shall be installed. [basis: Regulation 1-501]

13. No later than 90 days from the startup of S1010, the owner/operator shall conduct District-approved source tests to determine (1) initial compliance with the limits in Parts 7, 8, 9, and 13 for NOx, CO, POC, PM10, SO2, sulfuric acid mist, H2S, ammonia, (2) the BAAQMD Regulation 6 requirements below, and (3) the emission rates in lbs/dry standard cubic foot of NOx, POC, PM10, sulfuric acid mist, NH3, H2S, and reduced sulfur compounds. The owner/operator shall conduct the source tests in accordance with Part 19. The owner/operator shall submit the source test results to the District staff no later than 60 days after the source test. During the source test, the owner/operator shall determine the temperature required to achieve an outlet concentration of 2.5 ppmv H2S @ 0% O2, mass emissions of 0.23 lb/hr of H2S, mass emissions of 2.2 lb/hr of reduced sulfur compounds, and 2.2 lb/hr of total reduced sulfur, while meeting all other limits. The temperature shall become an enforceable limit.
    a. BAAQMD Regulation 6-1-310 and SIP Regulation 6-310: 0.15 gr PM/dscf
    b. BAAQMD Regulation 6-1-311 and SIP Regulation 6-311: PM emissions based on Process Rate Weight
    c. BAAQMD Regulation 6-1-330 and SIP Regulation 6-330: SO3 and H2SO4 limit

    Compliance with the 24-hour H2S and NH3 concentration limits shall be shown using three 30-minute runs as provided by the test method, unless the owner/operator chooses to run the test for 24 hours. If the rate of reduced sulfur compounds, including H2S, exceeds 2.2 lb/hr, or if the rate of total reduced sulfur, including H2S, exceeds 2.2 lb/hr, the District reserves the right to require additional PSD analysis or to impose a higher temperature limit for A424, Incinerator, to control total reduced sulfur and reduced sulfur compounds.
    [BACT, Cumulative Increase; Regulation 2, Rule 5; BAAQMD Regulation 6; PSD**,** 40 CFR 64.6(d)]

14. After the initial source test required in part 13 of this condition, the owner/operator shall ensure that the minimum temperature shall not be lower than 1409 F. [Offsets, 40 CFR 64]

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15. To determine compliance with the temperature limit in part 14, A424, Thermal Oxidizer, shall be equipped with a temperature measuring device capable of continuously measuring and recording the temperature in A424. The temperature monitor shall be installed prior to startup. The owner/operator shall install, and maintain in accordance with manufacturer's recommendations, a temperature measuring device that meets the following criteria: the minimum and maximum measurable temperatures with the device are 0 degrees F and 2,300 degrees F, respectively, and the minimum accuracy of the device over this temperature range shall be 1.0 percent of full-scale. [Regulation 1-521, 40 CFR 64.6(d)]

16. The temperature limit in part 14 shall not apply during an "Allowable Temperature Excursion", provided that the temperature controller setpoint complies with the temperature limit. For the purposes of parts 16 and 17 of this condition, a temperature excursion refers only to temperatures below the limit. An Allowable Temperature Excursion is one of the following:
    a. A temperature excursion not exceeding 20 degrees F; or
    b. A temperature excursion for a period or periods which when combined are less than or equal to 15 minutes in any hour; or
    c. A temperature excursion for a period or periods which when combined are more than 15 minutes in any hour, provided that all three of the following criteria are met.
        i. the excursion does not exceed 50 degrees F;
        ii. the duration of the excursion does not exceed 24 hours; and
        iii. the total number of such excursions does not exceed 12 per calendar year (or any consecutive 12 month period).

    Two or more excursions greater than 15 minutes in duration occurring during the same 24-hour period shall be counted as one excursion toward the 12 excursion limit. [Regulation 2-1-403]

17. For each Allowable Temperature Excursion that exceeds 20 degrees F and 15 minutes in duration, the Permit Holder shall keep sufficient records to demonstrate that they meet the qualifying criteria described above. Records shall be retained for a minimum of five years from the date of entry, and shall be made available to the District upon request. Records shall include at least the following information:
    a. Temperature controller setpoint;
    b. Starting date and time, and duration of each Allowable Temperature Excursion;
    c. Measured temperature during each Allowable Temperature Excursion;
    d. Number of Allowable Temperature Excursions per month, and total number for the current calendar year; and
    e. All strip charts or other temperature records. [Regulation 2-1-403]

18. For the purposes of parts 16 and 17 of this condition, a temperature excursion refers only to temperatures below the limit. (Basis: Regulation 2-1-403)

19. The owner/operator shall submit protocols for all source test procedures to the District's Source Test Section at least three weeks 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 projected test dates at least 7 days prior to testing. [BACT, Cumulative Increase; Regulation 2, Rule 5]

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20. The owner/operator shall perform an annual District-approved source test to verify compliance with the following requirements. A copy of the source test results shall be provided to the District Director of Compliance and Enforcement within 60 days of the test.
    a. BAAQMD Regulation 6-1-310 and SIP Regulation 6-310: 0.15 gr PM/dscf
    b. BAAQMD Regulation 6-1-311 and SIP Regulation 6-311: PM emissions based on Process Rate Weight
    c. BAAQMD Regulation 6-1-330 and SIP Regulation 6-330: SO3 and H2SO4 limit
    d. Emission rates in parts 7c, 8a, 8b, 9a, 9b, and 9c of this condition.
    e. Emission rates of sulfuric acid mist, total reduced sulfur, and reduced sulfur compounds

    Compliance with the 24-hour H2S concentration limit shall be shown using three 30-minute runs as provided by the test method, unless the owner/operator chooses to run the test for 24 hours. [BACT; BAAQMD Regulation 6, Rule 1 ; SIP Regulation 6; PSD; Regulation 2, Rule 5; Cumulative increase]

21. The owner/operator shall install, calibrate, maintain, and operate a District-approved continuous emission monitor (CEM) and recorder for exhaust gas flowrate, SO2 and O2. The CEM shall be installed prior to startup. The owner/operator shall keep exhaust gas flow, SO2 and O2 data for at least five years and shall make these records available to the District upon request. The owner/operator shall measure SO2 concentration and mass emissions on a clock-hour basis. The monitors shall comply with the requirements of 40 CFR 60.105, 40 CFR 63.1572, and the District's Manual of Procedures, Volume 5. [BACT, Cumulative Increase, 40 CFR 60.105a; 40 CFR 64.6(c)(1), (c)(3), and (d); 40 CFR 63.1568(a)(1)(i)]

22. The owner/operator shall install, calibrate, maintain, and operate a District-approved continuous emission monitor (CEM) and recorder for exhaust gas flow and CO. The CEM shall be installed prior to startup. The CEM shall complete a minimum of one cycle of operation (sampling, analyzing, and data recording) for each successive 15-minute period. The owner/operator shall keep flow and CO data for at least five years and shall make these records available to the District upon request. The owner/operator shall measure CO concentration and mass emissions on a clock-hour basis. The monitors shall comply the requirements of the District's Manual of Procedures, Volume 5. [BACT, Cumulative Increase; 40 CFR 64.6(c)(1) and (d)]
23. Deleted Application 13427

24. The owner/operator shall keep throughput records for sources S1010 and S503 on a daily basis. The records shall be kept on site for a period of at least 5 years and shall be made available for inspection by District staff upon request. [Cumulative Increase]

25. The owner/operator shall use the source tests required in parts 13 and 20 to determine compliance with the daily limit in part 10 and the annual limits in parts 11b, 11d, 11e, 11f, 11h, and 11i. At the end of every month, the owner/operator shall summarize the exhaust gas flow in dry standard cubic feet for the month and shall calculate the estimated emissions of each pollutant for the previous consecutive 12-month period and for H2S for each day of the month using the emission rate determined in the last source test. The summaries and calculations shall be completed within 60 days of the end of each month. Alternately, the owner/operator may establish a daily and monthly exhaust gas flow level after each source test that will ensure compliance with the daily and annual limits. In this case, the owner/operator will log the daily and monthly exhaust gas flows from S1010/A48/A424. [Cumulative increase; Regulation 2, Rule 5; Cumulative Increase, PSD]

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26. The Owner/Operator shall perform a visible emissions check on Source S1010 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 6-1-301, 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 6-1-301, the owner/operator shall take corrective action and report the violation in accordance with Standard Condition 1.F of the Title V 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: BAAQMD Regulations 6-1-301, 2-1-403; SIP Regulation 6]

Additional CAM conditions:

27. The owner/operator shall develop specifications for the location and installation of the temperature monitor to ensure that the temperature data is representative of the concentration of H2S, reduced sulfur compounds, and total reduced sulfur. [40 CFR 64.3(b)(1)]

28. The owner/operator shall develop verification procedures to confirm the operational status of the temperature monitoring prior to the date that monitoring must be conducted. [40 CFR 64.3(b)(2)]

29. The owner/operator shall develop quality assurance and control practices for the temperature monitoring. [40 CFR 64.3(b)(3)]

30. The owner/operator shall record the temperature at least 4 times per hour in a computerized data acquisition system, except during times of temperature monitor malfunction that comply with BAAQMD Regulation 1-523. [40 CFR 64.3(b)(4)]

31. The owner/operator shall determine that an exceedance of the temperature limit has occurred when the temperature drops below the limit set in accordance with part 13 of this condition; except that a limited number of excursions may occur without penalty in accordance with parts 16 through 18 of this condition. [40 CFR 64.6(c)(2)]

CONDITION 23724

For Sources S135 (Tank 200), S137 (Tank 202), S139 (Tank 204), S140 (Tank 205), S168 (Tank 269), S173 (Tank 280), S174 (Tank 281), S175 (Tank 284), S182 (Tank 294), S360 (Tank 223), S445 (Tank 271), S449 (Tank 285), S506 (Tank 257), Tank 235, and Tank 236.

This condition was imposed by Application 13424 and amended by Application 16940 in January 2008, and Application 13427 in 2009.

VI. Permit Conditions

1a. The owner/operator shall ensure that all sources subject to this permit condition are abated by A7, Vapor Recovery System at all times of operation except for the following sources, which shall be controlled according to the schedule below:

1. S168
2. S173
3. S174
4. S506

S168 shall be abated by A7 and subject to the terms of this condition prior to the startup of S434.
S173 and S174 shall be abated when blanketing is required to preserve product or feed.
S506 shall be abated by A7 and subject to the terms of this condition upon the date of startup.
[Basis: Regulation 2-1-403]

1b. The owner/operator shall ensure that a fourth compressor is added to A7, Odor Abatement System, before more than two of the following sources are controlled by A7: S168, S173, S174, S175, S506. [Basis: Regulation 2-1-301, 2-1-305, 2-1-403, CEQA]

1c. The new odor abatement compressor, or a dedicated compressor, shall be designed and installed to supplement G-503, Flare Gas Recovery Compressor. [CEQA]

2. The owner/operator shall ensure that all tanks subject to this permit condition are blanketed by utility-grade natural gas. [Basis: Regulation 2-1-403]

3. By July 5, 2009, the owner/operator shall equip all tanks subject to this permit condition except S506 with District-approved pressure monitoring devices. Upon startup, the owner/operator shall equip S506 with a District-approved pressure-monitoring device. [Basis: Regulation 2-1-403]

4. After the pressure monitoring devices are installed, the owner/operator shall ensure that tanks listed below operate at all times below their respective minimum set pressures, as shown in 4a and 4b of this condition. Any recorded pressure in excess of the minimum pressure shall be reported to the District's Enforcement and Engineering Divisions within 10 days of the pressure excess. The owner/operator must conduct an investigation of the incident to determine if the pressure excess resulted in the pressure/vacuum (PV) valve lifting to atmosphere and if so, why there was a pressure excess that resulted in the PV valve lifting to atmosphere. Results of the investigation must be reported to the District's Enforcement and Engineering Division within 30 days of the initial report. Any recorded pressure in excess of the minimum set pressure shall be considered an indication of a valve lift to atmosphere unless a District approved tell-tale indicator on the PV valve shows that the valve did not lift, or the owner/operator demonstrates to the satisfaction of the APCO that the recorded pressure excess was the result of a monitoring, recording or other malfunction.

The minimum set pressure for each storage tank, except S139, S140, S182, S360, S445, S449, must be submitted in a report to the District's Enforcement and Engineering Divisions within 21 months of issuance of the Authority to Construct.

a. Source Number Minimum Set Pressure (inches H2O)

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135	1.7
137	1.7
139	1.9
140	1.9
168	1.8
182	1.8
360	1.9
445	1.9
449	1.5
506	2.2

The owner/operator shall submit an accelerated permit application to include any change to any of the pressures above. Any amendment to the Title V permit to include the pressures above shall be submitted as a minor revision to the Title V permit.
[Basis: Regulation 8, Rule 5]

b. Source Number	Minimum Set Pressure (inches H2O)
173	1.8
174	1.8
175	1.3
Tank 235	2.2
Tank 236	2.2

The owner/operator shall submit an accelerated permit application to include any change to any of the pressures above. Any amendment to the Title V permit to include the pressures above shall be submitted as a minor revision to the Title V permit.
[Basis: Regulation 2-1-403]

5. The owner/operator shall ensure that each pressure relief valve for each tank must be set at or above its nominal set pressure listed in Part 4 of this permit condition. [Basis: Regulation 2-1-403]

6. Corrective Plan

The corrective plan is a means for Phillips 66 to correct occasional exceedances, to stay within the working pressure limits and thus to remain in compliance with District Regulations. If a PV valve has been determined to have lifted three times in a 12 month period, Phillips 66 shall implement abatement measures to prevent the recurrence of the type of incident which caused the valve to lift. This plan is intended to provide a mechanism for bringing Phillips 66 back into compliance should a temporary exceedance occur. This plan does not constitute an alternative means of compliance. [Basis: Regulation 2-1-403]

a. If, during any consecutive 12-month period, more than three instances of a PV valve release to atmosphere attributed to a storage tank subject to this permit condition are reported, Phillips 66 shall propose a method to correct the exceedance and to ensure compliance with District regulations and permit conditions. The proposed method is subject to approval by the Air Pollution Control Officer. Potential methods include but are not limited to increasing the nominal set pressure of the pressure/vacuum valve, bladder tank(s) for additional short-term vapor storage capacity, dedicated vapor recovery flare, pilot control on pressure relief valves, flow meters on vapor recovery tanks to monitor blanket gas flows, replacement of tanks, and naphtha degassers. [Basis: Regulation 2-1-403]

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7. To determine compliance with the above conditions, the owner/operator shall maintain the following records and provide all of the data necessary to evaluate compliance with the above parts, including, but not necessarily limited to the following information:

a. Pressure measurements from tanks listed in part 4 of this condition. Pressure shall be recorded at least for one-minute interval for each tank, except as allowed in BAAQMD Regulation 1-523 for parametric monitors. The owner/operator shall maintain a reasonable stock of spare parts for the components of the monitoring system to ensure that repairs are completed as quickly as possible.

All records shall be retained on site for five years, from the date of entry and made available for inspection by the District staff upon request. These recordkeeping requirements shall not replace the recordkeeping requirements contained in any applicable District regulation. [Basis: Regulation 2-1-403]

8. The requirement to report pressures in excess of the minimum pressure as described in part 4 of this permit condition, shall start on July 5, 2009 for all tanks in this condition except S139, S140, S182, S360, S445, S449. The requirement to report pressures in excess of the minimum pressure as described in part 4 of this permit condition, shall start on January 5, 2008 for the following tanks: S139, S140, S182, S360, S445, S449. [Basis: 2-1-403]

9. The permit to operate is contingent upon compliance with Regulation 1-301, Standard for Public Nuisance, and Regulation 7, Odorous Substances. Upon receipt of a violation for either of these regulations, the Air Pollution Control Officer may require the owner/operator to install additional emission control measures as stated in Part 6 of this permit condition. [Basis: Regulations 1-301, 7-301, 7-302]

CONDITION 23725

CONDITIONS FOR CLEAN FUELS EXPANSION PROJECT (CFEP) FUGITIVE-COMPONENTS

1. Fugitive Equipment

a. The owner/operator shall as part of the CFEP install only the following types of valves in light hydrocarbon service where the hydrocarbon has an initial boiling point less than or equal to 302 degree F: (1) bellows sealed, (2) live loaded, (3) graphite packed, (4) quarter-turn (e.g., ball valves or plug valves), or equivalent as determined by the APCO. [Basis: BACT]

b. The owner/operator shall comply with a leak standard of 100 ppm of TOC (measured as C1) at any valve installed as part of the CFEP in hydrocarbon service. The owner/operator shall not be considered in violation of the leak standard if the owner/operator complies with the applicable minimization and repair provisions contained in Regulation 8, Rule 18. Valves that are not of a type listed in part 1 (a) and for which a leak greater than 100 ppm (measured as C1) has been determined, shall become subject to the inspection provisions contained in Regulation 8-18. If the leak remains greater than 100 ppm (measured as C1) after repair, or if the valve is determined to have a leak greater than 100 ppm (measured as C1) a second time within a 5-year period, the owner/operator shall replace the valve with a type listed in part 1 (a) within 5 years or at the next scheduled turnaround, whichever is sooner. [Basis: BACT, Regulation 8, Rule 18]

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c. The owner/operator shall install graphitic-based gaskets on all flanges or connectors (gasketed) installed as part of the CFEP in light hydrocarbon service unless the owner/operator demonstrates to the satisfaction of the APCO that the service requirements prevent this gasket material from being used. [Basis: BACT]

d. The owner/operator shall install double mechanical seals with barrier fluid; or gas seal system vented to a thermal oxidizer or other District approved equivalent control device or technology as determined by the APCO on all compressors installed as part of the CFEP. [Basis: BACT]

e. The owner/operator shall comply with a leak standard of 100 ppm of TOC (measured as C1) at any pumps and/or compressors installed as part of the CFEP in hydrocarbon service. The owner/operator shall not be considered in violation of the leak standard if the owner/operator complies with the applicable minimization and repair provisions contained in Regulation 8-18. All pumps and/or compressors subject to the leak standard of 100 ppm TOC shall be included in the total number of pumps and compressors used in Regulation 8-18-306.2 to determine the total number of non-repairable pumps and compressors allowed. [Basis: BACT]

f. The owner/operator shall install double mechanical seals with barrier fluid; dual nitrogen gas purge seals; magnetically coupled pumps; canned pumps; magnetic fluid sealing technology; gas seal system vented to thermal oxidizer, or other BAAQMD approved equivalent control device; or District approved control technology as determined by the APCO on all pumps installed as part of the CFEP in light hydrocarbon service where the hydrocarbon has an initial boiling point less than or equal to 302 degree F. The owner/operator shall install double mechanical seals or District approved equivalent technology on all pumps in heavy hydrocarbon service where the hydrocarbon has an initial boiling point greater than 302 degree F and flash point less than 250 degree F. [Basis: BACT]

g. Unless the equipment exclusively handles material(s) with a flash point greater than or equal to 250 degree F, the owner/operator shall identify all new pumps and compressors installed as part of the CFEP in hydrocarbon service with a unique permanent identification code and shall include all new and replaced fugitive equipment in the Regulation 8, Rule 18 fugitive equipment monitoring and repair program. The owner/operator shall monitor all repaired equipment within 24 hours of the repair. [Basis: Cumulative Increase, BACT]

2. The Owner/Operator shall submit a count of installed pumps, compressors, valves, pressure relief devices, and flanges/connectors every 180 days after startup of the first unit until completion of the CFEP project. The owner/operator has been permitted to install the following number of fugitive components for the Clean Fuels Expansion Project:

Pumps:	16 [As identified in part 1 (g)]
Compressors:	3
Valves:	1,730
Connectors (No Flanges):	1,961
Flanges:	3,450

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Pressure Relief Devices: 118 non-atmospheric

The owner/operator shall not exceed 6.1 tons per year of POC emissions measured as C1 from the total fugitive component count installed in TOC services as part of the CFEP. Compliance with this provision shall be verified quarterly using methods described in Part 3. The results shall be submitted to the District on a quarterly basis for two years commencing with start-up. Documentation of results shall be kept on site for five years.

If there is an increase in the total fugitive component counts, the plant's cumulative emissions for the project shall be adjusted, subject to APCO approval, to reflect the difference between emissions based on predicted component counts versus actual component counts. The owner/operator may have enough remaining contemporaneous emissions reduction credits (ERCs) to cover any increase in POC fugitive emissions beyond the original projection. If not, the owner/operator shall provide to the District all additional required offsets at an offset ratio of 1.15:1 no later than 21 days after the submittal of the final POC fugitive equipment count. If the actual component count is less than the predicted count, at the completion of the project, the total will be adjusted accordingly. Any ERCs applied by the facility in excess of the actual total fugitive emissions estimate based on actual counts as opposed to estimated will be credited back to the owner/operator. [Basis: Cumulative Increase, Offsets, Regulation 2, Rule 5]

3. The owner/operator shall calculate fugitive emissions from CFEP fugitive components utilizing District approved methods. [Basis: Cumulative Increase, BACT, Offsets]

4. Inspections

    a. The owner/operator shall conduct inspections of CFEP fugitive components in light hydrocarbon service with an initial boiling point less than or equal to 302 degree F in accordance with the frequency listed below:

    Pumps: Quarterly
    Compressors: Quarterly
    Valves: Quarterly
    Connectors (Not Flanges): Annual
    Flanges: Annual
    [Basis: BACT, Regulation 8, Rule 18]

    b. The owner/operator shall conduct quarterly inspections of all CFEP pumps in hydrocarbon service with a flash point less than 250 degree F. [Basis: BACT]

CONDITION 24532
For S507 (Tank 21)

1. The owner/operator shall ensure that S507 stores only petroleum liquids with a True vapor pressure less than 11 psia. [Basis: Cumulative Increase, Offsets, Regulation 8-5-301]

2. The owner/operator shall ensure that S507 is equipped with a pressure vacuum valve with a setting of at least 25.8 mm Hg (0.5 psig). [Basis: Regulation 8-5-303.1]

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3. The owner/operator shall ensure the throughput of petroleum liquids at S507 is less than 9,883 gallons in any consecutive twelve-month period. [Basis: Cumulative Increase, Offsets]

4. The owner/operator shall ensure that total POC emissions based on the maximum throughput in Part 1, do not exceed 218 pounds in any consecutive twelve-month period. [Basis: Cumulative Increase, Offsets]

5. In order to demonstrate compliance with Part 3, the owner/operator of tank S507 shall either maintain the total monthly throughput of each material stored, summarized on a consecutive twelve-month basis in a District approved log, or shall be able to generate these records within three business days. These records shall be kept on site and made available for District inspection for a period of five years from the date that the record was made. [Basis: Cumulative Increase, Recordkeeping]

CONDITION 25223
For Source S340 (Tank 108)

1. The total throughput of crude oil shall not exceed 10 million barrels in any rolling continuous 12 month period. [Cumulative Increase]

2. The tank shall only store crude oil or petroleum liquids with a true vapor pressure of 3.0 psia or less. [BACT]

3. The owner/operator shall operate S340 with closed, gasketed covers on all tank openings except pressure relief valves and vacuum breaker valves. The owner/operator shall equip S340 with a BAAQMD approved roof with liquid mounted primary seal that meets the design criteria of BAAQMD Regulation 8-5-321.3 and secondary seal that meets the design criteria of BAAQMD Regulation 8-5-322.5. 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]

4. 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 25477
For Source S97 (Tank 100)

1. The total throughput of crude oil shall not exceed 15.571 million barrels in any rolling continuous 12 month period. The tank shall only store crude oil. [BACT, Cumulative Increase]

2. The owner/operator shall operate S97 with closed, gasketed covers on all tank openings except pressure relief valves and vacuum breaker valves. The owner/operator shall equip S97 with a BAAQMD approved roof with liquid mounted primary seal that meets the design criteria of BAAQMD Regulation 8-5-321.3 and secondary seal that meets the design criteria of BAAQMD

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Regulation 8-5-322.5. 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]

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 25478
For Source S261 (Tank 1010)

1. The total throughput of gas oil shall not exceed 5.476 million barrels in any rolling continuous 12 month period. The tank shall only store gas oil, naphtha, or distillate oil. [Cumulative Increase]

2. The owner/operator shall operate S261 with closed, gasketed covers on all tank openings except pressure relief valves and vacuum breaker valves. The owner/operator shall equip S261 with a BAAQMD approved roof with liquid mounted primary seal that meets the design criteria of BAAQMD Regulation 8-5-321.3 and secondary seal that meets the design criteria of BAAQMD Regulation 8-5-322.5. 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. [Cumulative increase]

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 26069
For Source S-324 (Oil/Water Separator)

1. The owner/operator shall not allow emissions from A-53 to exceed the following emission limits: NOx 0.64 lb/hour, CO 1.7 lb/hour. The owner/operator shall operate A-53 to meet the following VOC destruction efficiency requirements:
   a. A-53 outlet VOC concentration of 10 ppmv or less; or
   b. All of the following standards depending on the applicable A-53 inlet VOC concentration:
   c. VOC destruction efficiency >= 98.5% if A-53 inlet VOC concentration > 2,000 ppmv;
   d. VOC destruction efficiency >= 97% if A-53 inlet VOC concentration <= 2,000 ppmv;
   (basis: Cumulative Increase, Regulation 8-8-302.3)

2. The owner/operator shall operate A-53 to be at least 1400 degrees F. The District may adjust this minimum temperature, if source test data demonstrates that an alternate temperature is necessary for or capable of maintaining compliance with Part 2 above. (basis: Cumulative Increase)

3. The temperature limit in Part 3 shall not apply during an "Allowable Temperature Excursion", provided that the temperature controller setpoint complies with the temperature limit. An Allowable Temperature Excursion is one of the following:
   a. A temperature excursion not exceeding 20 degrees F; or

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b. A temperature excursion for a period or periods which when combined are less than or equal to 15 minutes in any hour; or
c. A temperature excursion for a period or periods which when combined are more than 15 minutes in any hour, provided that all three of the following criteria are met.
   i. the excursion does not exceed 50 degrees F;
   ii. the duration of the excursion does not exceed 24 hours; and
   iii. the total number of such excursions does not exceed 12 per calendar year (or any consecutive 12 month period). Two or more excursions greater than 15 minutes in duration occurring during the same 24-hour period shall be counted as one excursion toward the 12-excursion limit. (basis: Regulation 2-1-403)

4. For each Allowable Temperature Excursion that exceeds 20 degrees F and 15 minutes in duration, the Permit Holder shall keep sufficient records to demonstrate that they meet the qualifying criteria described above. Records shall be retained for a minimum of five years from the date of entry, and shall be made available to the District upon request. Records shall include at least the following information:
   a. Temperature controller setpoint;
   b. Starting date and time, and duration of each Allowable Temperature Excursion;
   c. Measured temperature during each Allowable Temperature Excursion;
   d. Number of Allowable Temperature Excursions per month, and total number for the current calendar year; and
   e. All strip charts or other temperature records.
   (basis: Regulation 2-1-403)

5. To determine compliance with the temperature requirement in these permit conditions, the owner/operator of A-53 shall be equipped with a temperature measuring device capable of continuously measuring and recording the temperature in A-53. The owner/operator shall install, and maintain in accordance with manufacturer's recommendations, a temperature measuring device that meets the following criteria: the minimum and maximum measurable temperatures with the device are 200 degrees F and 1900 degrees F, respectively, and the minimum accuracy of the device over this temperature range shall be 1.0 percent of full-scale. (basis: Cumulative Increase)

6. Within 90 days of startup of A-53, the owner/operator shall conduct District approved source tests to determine initial compliance with the limits in part 2. The owner/operator shall submit the source test results to the District staff no later than 60 days after the source test. (basis: Cumulative Increase)

7. 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 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. (basis: Cumulative Increase)

8. The owner/operator of A-53 shall maintain records of hours of operation, oxidizer temperature, and source test results in a District approved log for at least 5 years from the date of entry. These records shall be made available to District staff upon request. (basis: Cumulative Increase, Recordkeeping)

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CONDITION 26535
S1012 (Fire Training Fluid Tank)

1. The owner/operator of S-1012 shall not exceed the following throughput limits during any consecutive twelve-month period:
   E-111 Industrial Grade Fire Training Liquid 8000 Gallons
   (Basis: Cumulative Increase)

2. The owner/operator may store alternate liquid(s) other than the materials specified in Part 1 and/or usages in excess of those specified in Part 1, provided that the owner/operator can demonstrate that all of the following are satisfied:
   a. Total POC emissions from S-1012 do not exceed 820 pounds in any consecutive twelve-month period; and
   b. The use of these materials does not increase toxic emissions above any risk screening trigger level of Table 2-5-1 in Regulation 2-5.
   (Basis: Cumulative Increase; Toxics)

3. To determine compliance with the above parts, the owner/operator shall maintain the following records and provide all of the data necessary to evaluate compliance with the above parts, including the following information:
   a. Quantities of each type of liquid stored at this source on a monthly basis.
   b. If a material other than those specified in Part 1 is stored, 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 throughput and/or emission calculations shall be totaled for each consecutive twelve-month period.
   d. Demonstration that any toxic air contaminants in alternate liquids stored in Part 2, do not exceed the acute and chronic trigger levels by calculating toxic air contaminant emissions on a lb/hour and lb/year basis, respectively.

   All records shall be retained on-site for five years, from the date of entry, and made available for inspection by District staff upon request. These recordkeeping requirements shall not replace the recordkeeping requirements contained in any applicable District Regulations. (Basis: Cumulative Increase; Toxics)

CONDITION 26689
S126 Tank 172

1. The owner/operator of S-126 shall ensure that following total throughput limits are not exceeded in any rolling consecutive 12 month period:
   594,845 barrels of petroleum liquids.
   [Basis: Cumulative Increase]

2. The owner/operator shall only store the following in S-126:
   Petroleum liquids with a Reid vapor pressure less than or equal to 9 psia.
   [Basis: Cumulative Increase]

3. Monthly records of the throughput of each material and its vapor pressure 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

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request. [Basis: Cumulative Increase]

CONDITION 26690
S341 Tank 208

1. The owner/operator of S-341 shall ensure that following total throughput limits are not exceeded in any rolling consecutive 12 month period:
   1,819,583 barrels of petroleum liquids.
   [Basis: Cumulative Increase]

2. The owner/operator shall only store the following in S-341:
   Petroleum liquids with a true vapor pressure less than or equal to 3.0 psia.
   [Basis: Cumulative Increase]

3. Monthly records of the throughput of each material and its vapor pressure 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. [Basis: Cumulative Increase]

CONDITION 26691
S342 Tank 209

1. The owner/operator of S-342 shall ensure that following total throughput limits are not exceeded in any rolling consecutive 12 month period:
   2,407,700 barrels of petroleum liquids
   [Basis: Cumulative Increase]

2. The owner/operator shall only store the following in S-342:
   Petroleum liquids with a true vapor pressure less than or equal to 0.5 psia.
   [Basis: Cumulative Increase]

3. Monthly records of the throughput of each material and its vapor pressure 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. [Basis: Cumulative Increase]

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
HAP	40 CFR 63.647(a)	Y		wastewater standards of 40 CFR 61.340 to 61.355 are applicable	40 CFR 63.655(a)	P/A	report
Benzene in waste		Y		Benzene Waste NESHAPS Annual Report	40 CFR 61, Subpart FF, 61.357(d)(2)	P/A	report
Benzene in waste	40 CFR 61, Subpart FF, 61.342(e)(2)(i)	Y		Benzene < 6 Mg/yr	40 CFR 61, Subpart FF, 61.357(d)(5) 61.356(b)(4)	P/A	report records
Benzene in waste		Y		Benzene Waste NESHAPS Quarterly Report	40 CFR 61, Subpart FF, 61.357(d)(6) 61.357(d)(7)	P/Q	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

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 8-4-302.1 and SIP 8-4-302	N Y		5 ton/yr per solvent, surface coating source	None	N	None
VOC	BAAQMD 8-5-328.2 and 8-5-331	Y		Tank cleaning degassing or control device standard includes 90% abatement efficiency requirement	BAAQMD 8-5-502.2	P/A	source test
VOC	BAAQMD 8-5-331.1	N		Tank cleaning agents IBP > 302 deg F; or TVP < 0.5 psia; or VOC < 50 grams/liter	BAAQMD 8-5-331.1	N	Sample analysis
VOC	BAAQMD 8-5-332	N		Tank sludge container standards; includes gap criteria	BAAQMD 8-5-332	N	None
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 63.655(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 6-1-301	N		Ringelmann No. 1 for no more than 3 minutes/hour	None	N	None
Opacity	SIP 6-301	Y		Ringelmann No. 1 for no more than 3 minutes/hour	None	N	None
FP	BAAQMD 6-1-305	N		Prohibition of nuisance	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
FP	SIP 6-305	Y		Prohibition of nuisance	None	N	None
FP	BAAQMD 6-1-310.3	N		0.15 grain/dscf @ 6% O2	None for gaseous fired sources	N	None
FP	SIP 6-1-310.3	Y		0.15 grain/dscf @ 6% O2	None for gaseous fired sources	N	None
FP	BAAQMD 6-1-311	N		No emissions from source > rate specified in rule	None for gaseous fired sources	N	None
FP	SIP 6-1-311	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
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	

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	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

Table VII – A.1
Applicable Limits and Compliance Monitoring Requirements
S2 – UNIT 229, B-301 HEATER
S4 – UNIT 231. B-101 HEATER
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/A	source test
NOx	BAAQMD 9-10-303	Y		Federal emissions: Refinery-wide emissions: 0.20 lb NOx/MMbtu	None	N	None

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A.1
Applicable Limits and Compliance Monitoring Requirements
S2 – UNIT 229, B-301 HEATER
S4 – UNIT 231. B-101 HEATER
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
Heat input	BAAQMD Condition 1694, Part A.1b	Y		528 MMbtu/day at S2 2,304 MMBtu/day at S4 2,496 MMBtu/day at S5	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 6-1-301	N		Ringelmann 1 for no more than 3 minutes in any hour	None	N	None
Opacity	SIP 6-301	Y		Ringelmann No. 1 for no more than 3 minutes/hour	None	N	None
FP	BAAQMD 6-1-305	N		Prohibition of nuisance	None	N	None
FP	SIP 6-305	Y		Prohibition of nuisance	None	N	None
FP	BAAQMD 6-1-310.3	N		0.15 grain/dscf @ 6% O2	None for gaseous fired sources	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
S4 – UNIT 231. B-101 HEATER
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
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

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 A.1a	Y		1,272 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 6-1-301	N		Ringelmann 1 for no more than 3 minutes in any hour (gaseous fuel firing)	None	N	None
Opacity	SIP 6-301	Y		Ringelmann 1 for no more than 3 minutes in any hour (gaseous fuel firing)	None	N	None
Opacity	BAAQMD 6-1-301	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
FP	BAAQMD 6-1-305	N		Prohibition of nuisance	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	SIP 6-305	Y		Prohibition of nuisance	None	N	None
FP	BAAQMD 6-1-310.3	N		0.15 grain/dscf @ 6% O2 (gaseous fuel firing)	None	N	None
FP	SIP 6-310.3	Y		0.15 grain/dscf @ 6% O2 (gaseous fuel firing)	None	N	None
FP	BAAQMD 6-1-310.3	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.3
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 6-1-301	N		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.3
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	SIP 6-1-301	Y		Ringelmann 1 for no more than 3 minutes in any hour (gaseous fuel firing)	None	N	None
Opacity	BAAQMD 6-1-301	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
FP	BAAQMD 6-1-305	N		Prohibition of nuisance	None	N	None
FP	SIP 6-1-305	Y		Prohibition of nuisance	None	N	None
FP	BAAQMD 6-1-310.3	N		0.15 grain/dscf @ 6% O2 (gaseous fuel firing)	None	N	None
FP	SIP 6-310.3	Y		0.15 grain/dscf @ 6% O2 (gaseous fuel firing)	None	N	None
FP	BAAQMD 6-1-310.3	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.4
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		616.4 MMbtu/hr averaged over any year at S9, S10, S11, S12, S13,	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 6-1-301	N		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.4
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
Opacity	SIP 6-301	Y		Ringelmann 1 for no more than 3 minutes in any hour	None for gaseous-fueled sources	N	None
FP	BAAQMD 6-1-305	N		Prohibition of nuisance	None	N	None
FP	SIP 6-305	Y		Prohibition of nuisance	None	N	None
FP	BAAQMD 6-1-310.3	N		0.15 grain/dscf @ 6% O2	None for gaseous-fueled sources	N	None
FP	SIP 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
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 Condition 1694, Part F.4a	Y		0.015 lb NOx/MMBtu	BAAQMD Condition 1694, Part F.4a	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
Heat input	BAAQMD Condition 1694, Part F.1	Y		616.4 MMbtu/hr averaged over any year at S9, S10, S11, S12, S13	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

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A.5
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
Opacity	BAAQMD 6-1-304	N		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	SIP 6-1-304	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 6-1-301	N		Ringelmann 1 for no more than 3 minutes in any hour	None for gaseous-fueled sources	N	None
Opacity	SIP 6-301	Y		Ringelmann 1 for no more than 3 minutes in any hour	None for gaseous-fueled sources	N	None
FP	BAAQMD 6-1-305	N		Prohibition of nuisance	None	N	None
FP	SIP 6-305	Y		Prohibition of nuisance	None	N	None
FP	BAAQMD 6-1-310.3	N		0.15 grain/dscf @ 6% O2	None for gaseous-fueled sources	N	None
FP	SIP 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.5
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.6
Applicable Limits and Compliance Monitoring Requirements
S11 – UNIT 240, B-201 HEATER
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		2,592 MMbtu/day at S11 1,008 MMBtu/day at S12	BAAQMD Condition 1694, Part A.5	P/D	records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A.6
Applicable Limits and Compliance Monitoring Requirements
S11 – UNIT 240, B-201 HEATER
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
Heat input	BAAQMD Condition 1694, Part F.1	Y		616.4 MMbtu/hr averaged over any year at S9, S10, S11, S12, S13	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 6-1-301	N		Ringelmann 1 for no more than 3 minutes in any hour	None for gaseous-fueled sources	N	None
Opacity	SIP 6-301	Y		Ringelmann 1 for no more than 3 minutes in any hour	None for gaseous-fueled sources	N	None
FP	BAAQMD 6-1-305	N		Prohibition of nuisance	None	N	None
FP	SIP 6-305	Y		Prohibition of nuisance	None	N	None
FP	BAAQMD 6-1-310.3	N		0.15 grain/dscf @ 6% O2	None for gaseous-fueled sources	N	None

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A.6
Applicable Limits and Compliance Monitoring Requirements
S11 – UNIT 240, B-201 HEATER
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	SIP 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.7
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 Condition 1694, Part F.4b	Y		0.015 lb NOx/MMBtu	BAAQMD Condition 1694, Part F.4b	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.7
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 A.1b	Y		4,656 MMbtu/day	BAAQMD Condition 1694, Part A.5	P/D	records
Heat input	BAAQMD Condition 1694, Part F.1	Y		616.4 MMbtu/hr averaged over any year at S9, S10, S11, S12, S13	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 6-1-304	N		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	SIP 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 6-1-305	N		Prohibition of nuisance	None	N	None

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A.7
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
FP	SIP 6-305	Y		Prohibition of nuisance	None	N	None
Opacity	BAAQMD 6-1-301	N		Ringelmann 1 for no more than 3 minutes in any hour	None for gaseous-fueled sources	N	None
Opacity	SIP 6-301	Y		Ringelmann 1 for no more than 3 minutes in any hour	None for gaseous-fueled sources	N	None
FP	BAAQMD 6-1-310.3	N		0.15 grain/dscf @ 6% O2	None for gaseous-fueled sources	N	None
FP	SIP 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.8
Applicable Limits and Compliance Monitoring Requirements
S15 – UNIT 244, B-501 HEATER
S16 – UNIT 244, B-502 HEATER
S17 – UNIT 244, B-503 HEATER
S18 – UNIT 244, B-504 HEATER
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 Condition 1694, Part F.4c	Y		0.015 lb NOx/MMBtu combined for S15, S16, S17, S18 and S19	BAAQMD Condition 1694, Part F.4c	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 6-1-301	N		Ringelmann 1 for no more than 3 minutes in any hour	None for gaseous-fueled sources	N	None

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A.8
Applicable Limits and Compliance Monitoring Requirements
S15 – UNIT 244, B-501 HEATER
S16 – UNIT 244, B-502 HEATER
S17 – UNIT 244, B-503 HEATER
S18 – UNIT 244, B-504 HEATER
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
Opacity	SIP 6-301	Y		Ringelmann 1 for no more than 3 minutes in any hour	None for gaseous-fueled sources	N	None
FP	BAAQMD 6-1-305	N		Prohibition of nuisance	None	N	None
FP	SIP 6-305	Y		Prohibition of nuisance	None	N	None
FP	BAAQMD 6-1-310.3	N		0.15 grain/dscf @ 6% O2	None for gaseous-fueled sources	N	None
FP	SIP 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.9
Applicable Limits and Compliance Monitoring Requirements
S20 – UNIT 244, B-506 HEATER
S22 – UNIT 248, B-606 HEATER
S29 – UNIT 200, B-5 HEATER
S30 – UNIT 200, B-101 HEATER
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
Heat input	BAAQMD Condition 1694, Part A.1b	Y		552 MMbtu/day at S20 774 MMBtu/day at S22 2,472 MMBtu/hr at S29 1,200 MMBtu/hr at S30 480 MMBtu/day at S31	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

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A.9
Applicable Limits and Compliance Monitoring Requirements
S20 – UNIT 244, B-506 HEATER
S22 – UNIT 248, B-606 HEATER
S29 – UNIT 200, B-5 HEATER
S30 – UNIT 200, B-101 HEATER
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
Opacity	BAAQMD 6-1-301	N		Ringelmann 1 for no more than 3 minutes in any hour	None for gaseous-fueled sources	N	None
Opacity	SIP 6-301	Y		Ringelmann 1 for no more than 3 minutes in any hour	None for gaseous-fueled sources	N	None
FP	BAAQMD 6-1-305	N		Prohibition of nuisance	None	N	None
FP	SIP 6-305	Y		Prohibition of nuisance	None	N	None
FP	BAAQMD 6-1-310.3	N		0.15 grain/dscf @ 6% O2	None for gaseous-fueled sources	N	None
FP	SIP 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.9
Applicable Limits and Compliance Monitoring Requirements
S20 – UNIT 244, B-506 HEATER
S22 – UNIT 248, B-606 HEATER
S29 – UNIT 200, B-5 HEATER
S30 – UNIT 200, B-101 HEATER
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
throughput	BAAQMD Condition 20989, Part A	Y		1.9 E 6 therm/yr at S20 2.6 E 6 therm/yr at S22 8.6 E 6 therm/yr at S29 4.2 E 6 therm/yr at S30 1.7 E 6 therm/yr at S31	BAAQMD Condition 20989, Part A	P/M	records

Table VII – A.10
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 6-1-301	N		Ringelmann 1 for no more than 3 minutes in any hour	None for gaseous-fueled sources	N	None
Opacity	SIP 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
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
FP	BAAQMD 6-1-305	N		Prohibition of Nuisance	None for gaseous-fueled sources	N	None
FP	SIP 6-305	Y		Prohibition of Nuisance	None for gaseous-fueled sources	N	None
FP	BAAQMD 6-1-310.3	N		0.15 grain/dscf @ 6% O2	None for gaseous-fueled sources	N	None
FP	SIP 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
throughput	BAAQMD Condition 20989, Part A	Y		0.7 E 6 therm/yr	BAAQMD Condition 20989, Part A	P/M	records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A.11
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
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

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A.11
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
Opacity	BAAQMD 6-1-301	N		Ringelmann 1 for no more than 3 minutes in any hour	None for gaseous-fueled sources	N	None
Opacity	SIP 6-301	Y		Ringelmann 1 for no more than 3 minutes in any hour	None for gaseous-fueled sources	N	None
FP	BAAQMD 6-1-305	N		Prohibition of nuisance	None for gaseous-fueled sources	N	None
FP	SIP 6-305	Y		Prohibition of nuisance	None for gaseous-fueled sources	N	None
FP	BAAQMD 6-1-310.3	N		0.15 grain/dscf @ 6% O2	None for gaseous-fueled sources	N	None
FP	SIP 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.11
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.12
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.12
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.12
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 6-1-304	N		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	SIP 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 6-1-301	N		Ringelmann 1 for no more than 3 minutes in any hour	None for gaseous-fueled sources	N	None
Opacity	SIP 6-301	Y		Ringelmann 1 for no more than 3 minutes in any hour	None for gaseous-fueled sources	N	None
FP	BAAQMD 6-1-305	N		Prohibition of nuisance	None	N	None
FP	SIP 6-305	Y		Prohibition of nuisance	None	N	None
FP	BAAQMD 6-1-310.3	N		0.15 grain/dscf @ 6% O2	None for gaseous-fueled sources	N	None
FP	SIP 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.12
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
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		19.1 E 6 therm/yr	BAAQMD Condition 20989, Part A	P/M	records

Table VII – A.13
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

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A.13
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	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
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

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A.13
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
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 6-1-301	N		Ringelmann 1 for no more than 3 minutes in any hour	None for gaseous-fueled sources	N	None
Opacity	SIP 6-301	Y		Ringelmann 1 for no more than 3 minutes in any hour	None for gaseous-fueled sources	N	None
FP	BAAQMD 6-1-305	N		Prohibition of nuisance	None	N	None
FP	SIP 6-305	Y		Prohibition of nuisance	None	N	None
FP	BAAQMD 6-1-310.3	N		0.15 grain/dscf @ 6% O2	None for gaseous-fueled sources	N	None
FP	SIP 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.13
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.14
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 6-1-303.1	N		Ringelmann No. 2 for no more than 3 minutes in any hour	None	N	N/A

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A.14
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	SIP 6-303.1	Y		Ringelmann No. 2 for no more than 3 minutes in any hour	None	N	N/A
FP	BAAQMD 6-1-305	N		Prohibition of nuisance	None	N	None
FP	SIP 6-305	Y		Prohibition of nuisance	None	N	None
FP	BAAQMD 6-1-310	N		0.15 gr/dscf	None	N	N/A
FP	SIP 6-310	Y		0.15 gr/dscf	None	N	N/A
Hours of operation	9-8-111.3	Y		Exemptions: Engines that operate less than 100 hours, exclusive of any emergency use, in any 12-consecutive-month period	BAAQMD 9-8-502	P/M	records
Hours of operation	CCR, Title 17, Section 93115.3(j)	N		Exemptions: Engine operates number of hours per APCO approval – 60 hours/year (combined S50, 51, & 52)	93115.10(f)	P/E	records
SO2	BAAQMD 9-1-304	Y		Fuel Sulfur Limit 0.5% by weight	None	P/E	fuel certification

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A.15
Applicable Limits and Compliance Monitoring Requirements
S53, 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 6-1-303.1	N		Ringelmann No. 2 for no more than 3 minutes in any hour	None	N	N/A
Opacity	SIP 6-303.1	Y		Ringelmann No. 2 for no more than 3 minutes in any hour	None	N	N/A
FP	BAAQMD 6-1-305	N		Prohibition of nuisance	None	N	None
FP	SIP 6-305	Y		Prohibition of nuisance	None	N	None
FP	BAAQMD 6-1-310	N		0.15 gr/dscf	None	N	N/A
FP	SIP 6-310	Y		0.15 gr/dscf	None	N	N/A
Hours of Operation	BAAQMD 9-8-330	N		Up to 100 hours for reliability testing until 1/1/2012	BAAQMD 9-8-530	C	Totalizing Meter
Hours of Operation	BAAQMD 9-8-330	N		Up to 50 hours for reliability testing effective 1/1/2012	BAAQMD 9-8-530	C	Totalizing Meter
SO2	BAAQMD 9-1-304	Y		Fuel Sulfur Limit 0.5% by weight	None	P/E	Fuel certification
SO2	CCR, Title 17, Section 93115.5	N		CARB Diesel or other specified	CCR, Title 17, Section 93115.10(g)(1)(G)	P/E	Fuel records
(S53 – Emergency Electricity Generator)							
Hours of Operation	CCR, Title 17, Section 93115.6(b)(3)(A)(1)(a)	N		20 hours/yr for maintenance and testing	CCR, Title 17, Section 93115.10(e)(1)	C	Totalizing Counter

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A.15
Applicable Limits and Compliance Monitoring Requirements
S53, 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
Hours of Operation	CCR, Title 17, Section 93115.6(b)(3)(A)(1)(a)	N		20 hours/yr for maintenance and testing	CCR, Title 17, Section 93115.10(g)	M	records
(S56, S57, S58, S59 – Firewater Pump Engines)							
Hours of Operation	CCR, Title 17, Section 93115.3(n)	N		50 hours/yr per engine for S56, S57, S58 and S59 for maintenance and testing (NFPA 25)	CCR, Title 17, Section 93115.10(g)	M	records
SO2	BAAQMD 9-1-304	Y		Fuel Sulfur Limit 0.5% by weight	None	P/E	fuel certification

Table VII – A.16
Applicable Limits and Compliance Monitoring Requirements
S336 – UNIT 231, B-104 HEATER
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		2,664 MMbtu/day at S336 816 MMBtu/day at S337	BAAQMD Condition 1694, Part A.5	P/D	records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A.16
Applicable Limits and Compliance Monitoring Requirements
S336 – UNIT 231, B-104 HEATER
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
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 6-1-301	N		Ringelmann 1 for no more than 3 minutes in any hour	None for gaseous-fueled sources	N	None
Opacity	SIP 6-301	Y		Ringelmann 1 for no more than 3 minutes in any hour	None for gaseous-fueled sources	N	None
FP	BAAQMD 6-1-305	N		Prohibition of nuisance	None	N	None
FP	SIP 6-305	Y		Prohibition of nuisance	None	N	None
FP	BAAQMD 6-1-310.3	N		0.15 grain/dscf @ 6% O2	None for gaseous-fueled sources	N	None
FP	SIP 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.16
Applicable Limits and Compliance Monitoring Requirements
S336 – UNIT 231, B-104 HEATER
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
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		9.2 E 6 therm/yr at S336 2.8 E 6 therm/yr at S337	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
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
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

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A.17
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
Opacity	BAAQMD 6-1-301	N		Ringelmann 1 for no more than 3 minutes in any hour	None for gaseous-fueled sources	N	None
Opacity	SIP 6-301	Y		Ringelmann 1 for no more than 3 minutes in any hour	None for gaseous-fueled sources	N	None
FP	BAAQMD 6-1-305	N		Prohibition of nuisance	None	N	None
FP	SIP 6-305	Y		Prohibition of nuisance	None	N	None
FP	BAAQMD 6-1-310.3	N		0.15 grain/dscf @ 6% O2	None for gaseous-fueled sources	N	None
FP	SIP 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.17
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.18
Applicable Limits and Compliance Monitoring Requirements
S371 – UNIT 228, B-520 FURNACE
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	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.18
Applicable Limits and Compliance Monitoring Requirements
S371 – UNIT 228, B-520 FURNACE
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 6-1-301	N		Ringelmann 1 for no more than 3 minutes in any hour	None for gaseous-fueled sources	N	None
Opacity	SIP 6-301	Y		Ringelmann 1 for no more than 3 minutes in any hour	None for gaseous-fueled sources	N	None
FP	BAAQMD 6-1-305	N		Prohibition of nuisance	None	N	None
FP	SIP 6-305	Y		Prohibition of nuisance	None	N	None
FP	BAAQMD 6-1-310.3	N		0.15 grain/dscf @ 6% O2	None for gaseous-fueled sources	N	None
FP	SIP 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.18
Applicable Limits and Compliance Monitoring Requirements
S371 – UNIT 228, B-520 FURNACE
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
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

Table VII – A.19
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

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A.19
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
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 calendar day, except startups and shutdowns	BAAQMD 1-521	C	CEM
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		14 ppmv TRS over any month, in fuel gas	BAAQMD Condition 1694, Part E.5	P/3 times per day	TRS analysis
Opacity	BAAQMD 6-1-304	N		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.19
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	SIP 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 6-1-301	N		Ringelmann 1 for no more than 3 minutes in any hour	None for gaseous-fueled sources	N	None
Opacity	SIP 6-301	Y		Ringelmann 1 for no more than 3 minutes in any hour	None for gaseous-fueled sources	N	None
FP	BAAQMD 6-1-305	N		Prohibition of nuisance	None	N	None
FP	SIP 6-305	Y		Prohibition of nuisance	None	N	None
FP	BAAQMD 6-1-310.3	N		0.15 grain/dscf @ 6% O2	None for gaseous-fueled sources	N	None
FP	SIP 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.19
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
H2S	40 CFR 60.104(a)(1)	Y		PSA Off Gas: fuel gas H2S concentration limited to 230 mg/dscm (0.10 gr/dscf)	40 CFR 60.105(a)(4)(iv)	N	None
H2S	40 CFR 60.104(a)(1)	Y		Unit 240 Sweet Unicracker Gas: fuel gas H2S concentration limited to 230 mg/dscm (0.10 gr/dscf)	40 CFR 60.105(a)(4)(iv)	N	None

Table VII – A.20
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,shutdowns and standby mode	BAAQMD Condition 21096, Part 5a	C	CEM
NOx	BAAQMD Condition 21096, Part 10	Y		2.86 ton/yr	BAAQMD Condition 21096, Part 5c	C	CEM
Heat input	BAAQMD Condition 21096, Part 2	Y		50.2 MMbtu/hr; 439,800 MMbtu/12-month period	BAAQMD Condition 21096, Part 4	C	continuous fuel flow monitor

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A.20
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
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,shutdowns and standby mode	BAAQMD Condition 21096, Part 5b	P/SA	source test
CO	BAAQMD Condition 21096, Part 10	Y		5.06 tons/yr	BAAQMD Condition 21096, Part 5c	P/initial and once every three years for startup, shutdown, and standby modes	Hand held CO monitor for startup, shutdown, and standby modes
POC	BAAQMD Condition 21096, Part 3b	Y		5.5 lb POC per MM ft3 of fuel		N	None
POC	BAAQMD Condition 21096, Part 10	Y		0.79 tons/yr	None	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.20
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, shutdowns and standby mode		N	None
Opacity	BAAQMD 6-1-301	N		Ringelmann 1 for no more than 3 minutes in any hour	None for gaseous-fueled sources	N	None
Opacity	SIP 6-301	Y		Ringelmann 1 for no more than 3 minutes in any hour	None for gaseous-fueled sources	N	None
FP	BAAQMD 6-1-305	N		Prohibition of nuisance	None for gaseous-fueled sources	N	None
FP	SIP 6-305	Y		Prohibition of nuisance	None for gaseous-fueled sources	N	None
FP	BAAQMD 6-1-310.3	N		0.15 grain/dscf @ 6% O2	None for gaseous-fueled sources	N	None
FP	SIP 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

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A.20
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
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
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.21
Applicable Limits and Compliance Monitoring Requirements
S45 – UNIT 246 B-801 A/B, 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 22962, Part 4a	Y		5 ppmv NOx at 3% O2 (3 hour average), except startups,hutdowns and standby mode	BAAQMD Condition 22962, Part 8	C	CEM

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A.21
Applicable Limits and Compliance Monitoring Requirements
S45 – UNIT 246 B-801 A/B, 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 22962, Part 6a	Y		2.3 tons/yr	BAAQMD Condition 22962, Part 8	C	CEM
NOx	BAAQMD Condition 22970, Part A.2.a	Y		13.5 tons per any consecutive 12 months for S45, S434, and S1010 combined	BAAQMD Condition 22970, Part A.4.a.i	P/A	CEMS, source tests, and calculations
O2		Y		No limit	BAAQMD Condition 22962, Part 8	C	O2 Monitor
CO	BAAQMD Condition 22962, Part 4b and 4e	Y		10 ppmv CO @ 3% O2 (3-hr average) when operating over 30 MMbtu/hr except startups and shutdowns; 28 ppmv CO at 3% O2 (3-hr average) when operating below 30 MMbtu/hr, except startups,shutdowns and standby mode	BAAQMD Condition 22962, Part 9	P/SA	source test
CO	BAAQMD Condition 22962, Part 6b	Y		2.8 tons/yr	BAAQMD Condition 22962, Part 9	P/SA	source test
CO	BAAQMD Condition 22962, Part 6b	Y		2.8 tons/yr	BAAQMD Condition 22962, Part 9a	P/initial and once every three years for startup, shutdown, and standby modes	Hand held CO monitor for startup, shutdown, and standby modes
CO	BAAQMD Condition 22970, Part A.2.e	Y		40.72 tons per any consecutive 12 months for S45, S434, and S1010 combined	BAAQMD Condition 22970, Part A.4.a.ii	P/A	Source tests, and calculations

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A.21
Applicable Limits and Compliance Monitoring Requirements
S45 – UNIT 246 B-801 A/B, 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 22962, Part 4c	Y		5.5 lb POC per MM ft3 of fuel	None	N	None
POC	BAAQMD Condition 22962, Part 6c	Y		1.5 tons/yr	None	N	None
POC	BAAQMD Condition 22970, Part A.2.d	Y		1.9 tons per any consecutive 12 months for S45, S434, and S1010 combined	BAAQMD Condition 22970, Part A.4.a.iii	P/A	Source tests, and calculations
PM10	BAAQMD Condition 22962, Part 4d	Y		7.6 lb PM10 per MM ft3 of fuel	None	N	None
PM10	BAAQMD Condition 22962, Part 6d	Y		1.9 tons/yr	None	N	None
PM10	BAAQMD Condition 22970, Part A.2.c	Y		2.9 tons per any consecutive 12 months for S45, S434, and S1010 combined	BAAQMD Condition 22970, Part A.4.a.iii	P/A	calculations
PM10	BAAQMD Condition 22970, Part A.6	Y		16.7 tons per any consecutive 12 months for S45, S434, and S1010 at Facility A0016 and S2 and S3 at Facility B7419, combined	BAAQMD Condition 22970, Part A.6	P/A	Source tests, and calculations
ammonia	BAAQMD Condition 22962, Part 5	N		15 ppmv ammonia at 3% O2 (8 hour average), except startups,shutdowns and standby mode	None	N	None
Ammonia	BAAQMD Condition 22970, Part A.2.g	N		6.35 tons per any consecutive 12 months for S45, S434, and S1010 combined	BAAQMD Condition 22970, Part A.4.a.iv	P/A	Source tests and calculations

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A.21
Applicable Limits and Compliance Monitoring Requirements
S45 – UNIT 246 B-801 A/B, 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 6-1-301	N		Ringelmann 1 for no more than 3 minutes in any hour	None for gaseous-fueled sources	N	None
Opacity	SIP 6-301	Y		Ringelmann 1 for no more than 3 minutes in any hour	None for gaseous-fueled sources	N	None
FP	BAAQMD 6-1-305	N		Prohibition of nuisance	None for gaseous-fueled sources	N	None
FP	SIP 6-305	Y		Prohibition of nuisance	None for gaseous-fueled sources	N	None
FP	BAAQMD 6-1-310.3	N		0.15 grain/dscf @ 6% O2	None for gaseous-fueled sources	N	None
FP	SIP 6-310.3	Y		0.15 grain/dscf @ 6% O2	None for gaseous-fueled sources	N	None
SO2	BAAQMD Condition 22962, Part 6e	Y		4.7 tons/yr	BAAQMD Condition 22962, Part 11	P/3 times/day	Total sulfur analysis
SO2	BAAQMD Condition 22970, Part A.2.b	Y		34.4 tons per any consecutive 12 months for S45, S434, and S1010 combined	BAAQMD Condition 22970, Part A.4.a.v	P/A	Source tests, and calculations
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	40 CFR 60.13(i); Condition 22962, part 13	P/3 times/day	H2S analysis

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A.21
Applicable Limits and Compliance Monitoring Requirements
S45 – UNIT 246 B-801 A/B, HEATER

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
S in fuel gas	BAAQMD Condition 22962, Part 10	Y		100 ppmv total sulfur in fuel, monthly average	BAAQMD Condition 22962, Part 11 and 12	P/3 times per day	Sulfur analysis
Sulfuric Acid Mist	BAAQMD Condition 22970, Part A.2.f	Y		6.01 tons per any consecutive 12 months for S45, S434, and S1010 combined	BAAQMD Condition 22970, Part A.4.a.iii	P/A	Source tests and calculations
	BAAQMD Condition 22970, Part A.3	Y		38 lb/day for S45, S434, and S1010 at Facility A0016 and S2 at Facility B7419 combined	BAAQMD Condition 22970, Part A.4.a.iii	P/A	Source tests and calculations
Heat input	BAAQMD Condition 22962, Part 2	Y		85 MMbtu/hr; 744,600 MMbtu/12-month period	BAAQMD Condition 22962, Part 7	C	Continuous fuel flow monitor
Duration of startup	BAAQMD Condition 22962, Part 4	Y		48 consecutive hours	Condition 22962, part 14	P/E	Records
Duration of shutdown	BAAQMD Condition 22962, Part 4	Y		48 consecutive hours	Condition 22962, part 14	P/E	Records
Duration of heater dryout/ warmup periods	BAAQMD Condition 22962, Part 4	Y		24 consecutive hours	Condition 22962, part 14	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; 8-8-204	Y		500 ppm (expressed as methane)	BAAQMD Condition 1440, Part 4	P/M, Q	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; 8-8-204	Y		500 ppm (expressed as methane)	BAAQMD Condition 1440, Part 4	P/M, Q	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
VOC	40 CFR 61.347(a)(1)(i)(A)	Y		Fixed-roof operates with no detectable emissions as indicated by annual instrument monitoring of < 500 ppm above background	40 CFR 61.347(a)(1)(i)(A)	P/A	Method 21 portable hydrocarbon detector
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
NOx	BAAQMD Condition 26069, Part 1	Y	Upon Startup of A-53	0.64 lb/hr NOx	BAAQMD Condition 26069, Part 8	E	source test records
CO	BAAQMD Condition 26069, Part 1	Y	Upon Startup of A-53	1.7 lb/hr CO	BAAQMD Condition 26069, Part 8	E	source test records
VOC	BAAQMD Condition 26069, Part 1	Y	Upon Startup of A-53	Outlet concentration <=10ppmv or; VOC destruction efficiency>= 98.5% if inlet VOC > 2,000 ppmv and VOC destruction efficiency >= 97% if inlet VOC <= 2,000 ppmv	BAAQMD Condition 26069, Part 5, and 8	C/E	Continuous temperature monitoring device, and source test records

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
Temperature	BAAQMD Condition 26069, Part 2	Y	Upon Startup of A-53	Minimum temperature of 1400 F except for allowable temperature excursions as provided for in BAAQMD Condition 26069, Part 3	BAAQMD Condition 26069, Part 5	C	Continuous temperature monitoring device

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 (Standard applies when unit not controlled by organic compound vapor recovery system)	BAAQMD 8-8-307.1	P/SA	visual

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 8-8-307.2	N		For control by thermal oxidizer: organic compound vapor recovery system with a combined collection and destruction efficiency of at least 70 percent, by weight (Standard applies when unit controlled by organic compound vapor recovery system)	BAAQMD Condition 1440, Part 7b(iii)	C	Temperature monitoring
VOC	BAAQMD 8-8-307.2	N		For control by carbon: organic compound vapor recovery system with a combined collection and destruction efficiency of at least 70 percent, by weight (Standard applies when unit controlled by organic compound vapor recovery system)	BAAQMD Condition 1440, Part 7.c	P/Daily, then weekly	PID or FID
VOC	SIP 8-8-307.2	Y		For control by thermal oxidizer: organic compound vapor recovery system with a combined collection and destruction efficiency of at least 70 percent, by weight (Standard applies when unit not controlled by organic compound vapor recovery system)	BAAQMD Condition 1440, Part 7b(iii)	C	Temperature monitoring

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	SIP 8-8-307.2	Y		For control by carbon: organic compound vapor recovery system with a combined collection and destruction efficiency of at least 70 percent, by weight (Standard applies when unit controlled by organic compound vapor recovery system)	BAAQMD Condition 1440, Part 7.c	P/Daily, then weekly	PID or FID
VOC	BAAQMD Condition 1440, Part 4.b; 8-8-204	Y		500 ppm (expressed as methane)	BAAQMD Condition 1440, Part 4	P/M, Q	VOC analyzer
POC	BAAQMD Condition 1440, Part 7a	Y		For control by thermal oxidizer: Reduction of 44 tons POC per year	BAAQMD Condition 1440, Part 7b(iii)	C	Temperature monitoring
POC	BAAQMD Condition 1440, Part 7a	Y		For control by carbon: Reduction of 44 tons POC per year	BAAQMD Condition 1440, Part 7.c	P/Daily, then weekly	PID or FID
Benzene	40 CFR 61.343(a)(1)(i)(A)	Y		No detectable emissions over 500 ppmv above background (Standard applies when unit controlled by organic compound vapor recovery system)	40 CFR 61.355(h)	P/A	Method 21 testing
Opacity	BAAQMD 6-1-301	N		Ringelmann No. 1 for no more than 3 minutes/hour	None for gaseous-fueled sources	N	None

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
Opacity	SIP 6-301	Y		Ringelmann No. 1 for no more than 3 minutes/hour	None for gaseous-fueled sources	Y	None
FP	BAAQMD 6-1-305	N		Prohibition of nuisance	None for gaseous-fueled sources	N	None
FP	SIP 6-305	Y		Prohibition of nuisance	None for gaseous-fueled sources	N	None
FP	BAAQMD 6-1-310	N		0.15 grain/dscf	None for gaseous-fueled sources	N	None
FP	SIP 6-310	Y		0.15 grain/dscf	None for gaseous-fueled sources	N	None
Pressure	40 CFR 61.353(a)(1)(i)(C)	*Y*		Pressure of head space less than atmospheric in S1007 (Standard applies when unit controlled by organic compound vapor recovery system)	40 CFR 61.354(g)	C	Pressure Monitoring
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

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
throughput	BAAQMD Condition 20989, Part A	Y		3.68 E 9 gal/yr	BAAQMD Condition 20989, Part A	P/M	records

Table VII – Da
Applicable Limits and Compliance Monitoring Requirements
A49 DAF THERMAL OXIDIZER

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 8-8-307.2	N		For control by thermal oxidizer: organic compound vapor recovery system with a combined collection and destruction efficiency of at least 70 percent, by weight (Standard applies when unit controlled by organic compound vapor recovery system)	BAAQMD Condition 1440, Part 7b(iii)	C	Temperature monitoring
VOC	SIP 8-8-307.2	Y		For control by thermal oxidizer: organic compound vapor recovery system with a combined collection and destruction efficiency of at least 70 percent, by weight (Standard applies when unit controlled by organic compound vapor recovery system)	BAAQMD Condition 1440, Part 7b(iii)	C	Temperature monitoring

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – Da
Applicable Limits and Compliance Monitoring Requirements
A49 DAF THERMAL OXIDIZER

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Benzene	40 CFR 61.349(a)(2)(i)(A)	Y		95% control of organic emissions	40 CFR 61.354(c)(1)	C	Temperature Monitoring
Benzene	40 CFR 61.349(a)(2)(i)(A)	Y		TBD	40 CFR 61.356(f)(3)(i)	C	Temperature Monitoring
Benzene	61.349(a)(1)(i)	Y		CVS leak tightness standards (<500 ppmw)	40 CFR 61.349(a)(1)(i)	P/A	Method 21
Benzene	61.349(a)(1)(ii)(B)	Y		CVS with bypass line car-seal closed	40 CFR 61.354(f)(1)	P/M	Visual Inspection
Benzene	61.349(a)(2)(i)(A)	Y		CVS and control device evidence of visual defects	40 CFR 61.349(f)	P/Q	Visual Inspection
POC	BAAQMD Condition 1440, Part 7a	Y		For control by thermal oxidizer: Reduction of 44 tons POC per year	BAAQMD Condition 1440, Part 7b(iii)	C	Temperature monitoring
Tempe-rature	BAAQMD Condition 1440, Part 7b(ii)	Y		1445ºF	BAAQMD Condition 1440, Part 7b(iii)	C	Temperature monitoring
Opacity	BAAQMD 6-1-301	N		Ringelmann No. 1 for no more than 3 minutes/hour	None for gaseous-fueled sources	N	None
Opacity	SIP 6-301	Y		Ringelmann No. 1 for no more than 3 minutes/hour	None for gaseous-fueled sources	Y	None
FP	BAAQMD 6-1-305	N		Prohibition of nuisance	None for gaseous-fueled sources	N	None
FP	SIP 6-305	Y		Prohibition of nuisance	None for gaseous-fueled sources	N	None

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – Da
Applicable Limits and Compliance Monitoring Requirements
A49 DAF THERMAL OXIDIZER

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
FP	BAAQMD 6-1-310	N		0.15 grain/dscf	None for gaseous-fueled sources	N	None
FP	SIP 6-310	Y		0.15 grain/dscf	None for gaseous-fueled sources	N	None

Table VII – Db
Applicable Limits and Compliance Monitoring Requirements
A51, DAF CARBON BED

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 8-8-307.2	N		organic compound vapor recovery system with a combined collection and destruction efficiency of at least 70 percent, by weight (Standard applies when unit not controlled by organic compound vapor recovery system)	BAAQMD Condition 1440, Part 7c(iii)-(iv)	C	Break-through monitoring
VOC	SIP 8-8-307.2	Y		organic compound vapor recovery system with a combined collection and destruction efficiency of at least 70 percent, by weight (Standard applies when unit not controlled by organic compound vapor recovery system)	BAAQMD Condition 1440, Part 7c(iii)-(iv)	C	Break-through monitoring

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – Db
Applicable Limits and Compliance Monitoring Requirements
A51, DAF CARBON BED

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Benzene	40 CFR 61.349(a)(2)(ii)	Y		95% control of organic emissions	40 CFR 61.354(d)	Daily or at intervals no greater than 20% of design replacement interval	Break-through monitoring
Benzene	61.349(a)(1)(i)	Y		CVS leak tightness standards (<500 ppmw)	40 CFR 61.349(a)(1)(i)	P/A	Method 21
Benzene	61.349(a)(1)(ii)(B)	Y		CVS with bypass line car-seal closed	40 CFR 61.354(f)(1)	P/M	Visual Inspection
Benzene	61.349(a)(2)(i)(A)	Y		CVS and control device evidence of visual defects	40 CFR 61.349(f)	P/Q	Visual Inspection
POC	BAAQMD Condition 1440, Part 7a, 40 CFR 61.349(a)(2)(ii)	Y		For control by carbon: Reduction of 44 tons POC per year	BAAQMD Condition 1440, Part 7.c(v), 40 CFR 61.354(d)	P/Daily, then weekly	PID or FID
VOC	BAAQMD Condition 1440, Part 7c(vi)	Y		98% reduction of VOC, or 10 ppm	BAAQMD Condition 1440, Part 7.c(v), 40 CFR 61.354(d)	P/Daily, then weekly	PID or FID
Opacity	BAAQMD 6-1-301	N		Ringelmann No. 1 for no more than 3 minutes/hour	None	N	None
Opacity	SIP 6-301	Y		Ringelmann No. 1 for no more than 3 minutes/hour	None	Y	None
FP	BAAQMD 6-1-305	N		Prohibition of nuisance	None	N	None
FP	SIP 6-305	Y		Prohibition of nuisance	None	N	None
FP	BAAQMD 6-1-310	N		0.15 grain/dscf	None	N	None

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – Db
Applicable Limits and Compliance Monitoring Requirements
A51, DAF CARBON BED

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
FP	SIP 6-310	Y		0.15 grain/dscf	None	N	None

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; 8-8-204	Y		500 ppm (expressed as methane)	BAAQMD Condition 1440, Part 4	P/M, Q	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

VII. Applicable Limits and Compliance Monitoring Requirements

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
VOC	BAAQMD Condition 1440, Part 2	Y		Minimize diversions	BAAQMD Condition 1440, Part 3	P/E	records

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; 8-8-204	Y		500 ppm (expressed as methane)	BAAQMD Condition 1440, Part 4	P/M, Q	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

VII. Applicable Limits and Compliance Monitoring Requirements

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
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

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; 500 ppm (expressed as methane)	BAAQMD 8-8-504 8-8-603	N	Portable hydrocarbon detector

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 8-7-301.6 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
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		Drop Tube/Drain Valve Test	BAAQMD Condition 18680, Part 2	P/36 months	CARB Test Procedure TP201.1C or 201.1D
VOC	California Air Resources Board Executive Order VR-101	N		Torque Test	BAAQMD Condition 18680, Part 2	P/36 months	CARB Test Procedure TP201.1B
VOC	BAAQMD Regulation 301.13	Y		Leak Test	BAAQMD Regulation 301.13	P/A	CARB Test Procedure TP201.3

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 Regulation 302.15	Y		Vapor-to-Liquid (V/L) Test	CARB Executive Order VR-201	P/A	CARB Executive Order VR-201, Exhibit 5
VOC	BAAQMD Regulation 302.15	Y		Healy Clean Air Separator Test	CARB Executive Order VR-201	P/A	CARB Executive Order VR-201, Exhibit 4
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

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 6-1-301	Y		Ringelmann No. 1 for no more than 3 minutes/hr	BAAQMD Condition 18255, Part 4	P/E	Visual Inspection
FP	BAAQMD 6-1-305	N		Prohibition of nuisance	None	N	None
FP	SIP 6-305	Y		Prohibition of nuisance	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
FP	BAAQMD 6-1-310	Y		No emissions from source > 0.15 grains per dscf of gas volume	BAAQMD Condition 18255, Part 4	P/E	Visual Inspection
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
H2S	60.103a(h) & 60.107a(i)(2)(i)	Y		162 ppmv (3 hour average concentration)	60.107a(a)(2)	C	CEMS
Tip Velocity	63.670(d)(1) & 63.670(d)(2)	Y	01/30/2019	< 60 ft/s; < 400 ft/s and less than Vmax as calculated in 63.670(d)(2)	63.670(i) & 63.670(k)	C	CPMS
Neat Heating Value	63.670(e)	Y	01/30/2019	NHV minimum value of 270 Btu/scf on a 15-minute block average basis when regulated material is routed to the flare for at least 15 minutes	63.670(j) & 63.670(m)	C	CPMS

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
Pilot Flame	63.670(b)	Y	01/30/2019	Pilot flame must be present; 1 minute out of 15 where the flame is not present is considered a deviation	63.670(g)	C	CPMS
Visible Emissions	63.670(c) & 63.670(h)	Y	01/30/2019	Not to exceed 5 minutes of visible emissions in any 2 consecutive hours, when regulated material is routed to the flare and the vent gas flow rate is less than the flare smokeless capacity	63.670(h)	C	Video Monitoring or Visible Observations

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	N		abatement of emissions from process vessel depressurization is required until pressure is reduced to less than 1000 mm Hg (4.6 psig)	BAAQMD 8-10-501 & 8-10-502	P/E	Records
POC	SIP 8-10-301	Y		abatement of emissions from process vessel depressurization is required until pressure is reduced to less than 1000 mm Hg (4.6 psig)	SIP 8-10-401.2	P/E	Records

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
Through-put	BAAQMD Condition 21092, Part 1	Y		81,000 bbl/day	BAAQMD Condition 21092, Part 2	P/D	records
Temperature/Pressure	63.657(a)(1)(i) or 63.657(a)(1)(ii)	Y	01/30/2019	Each coke drum shall be depressured to a closed blowdown system until coke drum vessel pressure is at or below 2 psig or coke drum vessel temperature is at or below 220 degrees Farenheight (both limits are measured on a rolling 60-event average)	63.657(b) or 63.657(c)	C	CPMS

Table VII – Na
Applicable Limits and Compliance Monitoring Requirements
S304 –U-229 LIGHT NAPHTHA HYDROTREATER;
S305 – U-230 PREFRACTIONATOR / NAPHTHA HYDROTREATER;
S307 – U-240 UNICRACKING 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; S339, U80 REFINED OIL SHIPPING UNIT;
S434, U246 HIGH PRESSURE REACTOR TRAIN (CRACKING);
S435 – REFORMATE SPLITTER; S436 – DEISOPENTANIZER;
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
	For additional requirements for S434, see Table VII-I.1.						

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – Na
Applicable Limits and Compliance Monitoring Requirements
S304 –U-229 LIGHT NAPHTHA HYDROTREATER;
S305 – U-230 PREFRACTIONATOR / NAPHTHA HYDROTREATER;
S307 – U-240 UNICRACKING 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; S339, U80 REFINED OIL SHIPPING UNIT;
S434, U246 HIGH PRESSURE REACTOR TRAIN (CRACKING);
S435 – REFORMATE SPLITTER; S436 – DEISOPENTANIZER;
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	N		abatement of emissions from process vessel depressurization is required until pressure is reduced to less than 1000 mm Hg (4.6 psig)	BAAQMD 8-10-501 & 8-10-502	P/E	Records
POC	SIP 8-10-301	Y		abatement of emissions from process vessel depressurization is required until pressure is reduced to less than 1000 mm Hg (4.6 psig)	SIP 8-10-401.2	P/E	Records
throughput	BAAQMD Condition 20989, Part A	Y		S305: 9.23 E 6 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		S319: 3.51 E 6 bbl/yr	BAAQMD Condition 20989, Part A	P/M	records
throughput (S460 only)	BAAQMD Condition 21094, Part 1	Y		35,000 bbl/day (monthly average)	BAAQMD Condition 21094, Part 2	P/D	records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – Na
Applicable Limits and Compliance Monitoring Requirements
S304 –U-229 LIGHT NAPHTHA HYDROTREATER;
S305 – U-230 PREFRACTIONATOR / NAPHTHA HYDROTREATER;
S307 – U-240 UNICRACKING 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; S339, U80 REFINED OIL SHIPPING UNIT;
S434, U246 HIGH PRESSURE REACTOR TRAIN (CRACKING);
S435 – REFORMATE SPLITTER; S436 – DEISOPENTANIZER;
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 (S304 only)	BAAQMD Condition 21095, Part 1	Y		12,198 bbl/day (monthly average)	BAAQMD Condition 21095, Part 2	P/D	records
throughput (S318 only)	BAAQMD Condition 22549, Part 1	Y		113,150 bbl/day (except for diesel, which does not have a daily limit)	BAAQMD Condition 22549, Part 3	P/D	records
throughput (S318 only)	BAAQMD Condition 22549, Part 2	Y		41,300,000 bbl/yr excluding diesel	BAAQMD Condition 22549, Part 3	P/D	records
throughput (S307 + S434 combined)	BAAQMD Condition 22965, Part 1	Y		69,000 bbl/day	BAAQMD Condition 22965, Part 2	P/D	records
throughput (S309 only)	BAAQMD Condition 22967, Part 1	Y		16,740 bbl/day	BAAQMD Condition 22967, Part 2	P/D	Records
throughput (S339 only)	BAAQMD Condition 22968, Part 1	Y		52,600,000 bbl/12-month period	BAAQMD Condition 22968, Part 2	P/D	Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – Na
Applicable Limits and Compliance Monitoring Requirements
S304 –U-229 LIGHT NAPHTHA HYDROTREATER;
S305 – U-230 PREFRACTIONATOR / NAPHTHA HYDROTREATER;
S307 – U-240 UNICRACKING 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; S339, U80 REFINED OIL SHIPPING UNIT;
S434, U246 HIGH PRESSURE REACTOR TRAIN (CRACKING);
S435 – REFORMATE SPLITTER; S436 – DEISOPENTANIZER;
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 (S434 only)	BAAQMD Condition 22969, Part 1	Y		9,855,000 bbl/12-month period	BAAQMD Condition 22969, Part 2	P/M	Records
NOX (S434 only)	BAAQMD Condition 22970, Part A.2.a	Y		13.5 tons per any consecutive 12 months for S45, S434, and S1010 combined	BAAQMD Condition 22970, Part A.4.c	P/A	CEMS, source tests, and calculations
CO (S434 only)	BAAQMD Condition 22970, Part A.2.e	Y		40.72 tons per any consecutive 12 months for S45, S434, and S1010 combined	BAAQMD Condition 22970, Part A.4.c	P/A	CEMS, source tests, and calculations
POC (S434 only)	BAAQMD Condition 22970, Part A.2.d	Y		1.9 tons per any consecutive 12 months for S45, S434, and S1010 combined	BAAQMD Condition 22970, Part A.4.c	P/A	Source tests and calculations
PM10 (S434 only)	BAAQMD Condition 22970, Part A.2.c	Y		2.9 tons per any consecutive 12 months for S45, S434, and S1010 combined	BAAQMD Condition 22970, Part A.4.c	P/A	Source tests and calculations 2290
PM10 (S434 only)	BAAQMD Condition 22970, Part A.6	Y		16.7 tons per any consecutive 12 months for S45, S434, and S1010 at Facility A0016 and S2 and S3 at Facility B7419, combined	BAAQMD Condition 22970, Part A.6	P/A	Source tests and calculations

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – Na
Applicable Limits and Compliance Monitoring Requirements
S304 –U-229 LIGHT NAPHTHA HYDROTREATER;
S305 – U-230 PREFRACTIONATOR / NAPHTHA HYDROTREATER;
S307 – U-240 UNICRACKING 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; S339, U80 REFINED OIL SHIPPING UNIT;
S434, U246 HIGH PRESSURE REACTOR TRAIN (CRACKING);
S435 – REFORMATE SPLITTER; S436 – DEISOPENTANIZER;
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
Ammonia (S434 only)	BAAQMD Condition 22970, Part A.2.g	N		6.35 tons per any consecutive 12 months for S45, S434, and S1010 combined	BAAQMD Condition 22970, Part A.4.c	P/A	Source tests and calculations
SO2 (S434 only)	BAAQMD Condition 22970, Part A.2.b	Y		34.4 tons per any consecutive 12 months for S45, S434, and S1010 combined	BAAQMD Condition 22970, Part A.4.c	P/A	CEMS, source tests, and calculations
Sulfuric Acid Mist (S434 only)	BAAQMD Condition 22970, Part A.2.f	Y		6.01 tons per any consecutive 12 months for S45, S434, and S1010 combined	BAAQMD Condition 22970, Part A.4.c	P/A	Source tests, and calculations
Sulfuric Acid Mist (S434 only)	BAAQMD Condition 22970, Part A.3	Y		38 lb/day for S45, S434, and S1010 at Facility A0016 and S2 at Facility B7419 combined	BAAQMD Condition 22970, Part A.3	C/D	CEMS

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – Nb
Applicable Limits and Compliance Monitoring Requirements
S306 – U-231 PLATFORMING UNIT; S308 – U-244 REFORMING 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	N		abatement of emissions from process vessel depressurization is required until pressure is reduced to less than 1000 mm Hg (4.6 psig)	BAAQMD 8-10-501 & 8-10-502	P/E	Records
POC	SIP 8-10-301	Y		abatement of emissions from process vessel depressurization is required until pressure is reduced to less than 1000 mm Hg (4.6 psig)	SIP 8-10-401.2	P/E	Records
TOC	40 CFR 63.1566(a)(1)(ii) or (1)(i) as shown above	Y		98% control of non-methane TOC by weight or concentration of 20 ppmw as hexane, dry @ 3% O2, whichever is less stringent or vent to flare which meets requirements of control devices in 63.11(b) (prior to January 30, 2019) or 63.670 (after January 30, 2019)	Tables 17 of 40 CFR 63, Subpart UUU	C	Continuous monitoring system pursuant to 63.1572(c); or Pilot Flame Detector
HCl	40 CFR 63.1567(a)(1)	Y		92% reduction or to concentration of 30 ppmv, dry @ 3% O2	40 CFR 63.1572(c)(1) and (2)	P/E	Color-metric monitoring
throughput	BAAQMD Condition 20989, Part A	Y		S306: 7.67 E 6 bbl/yr	BAAQMD Condition 20989, Part A	P/M	records
throughput	BAAQMD Condition 22966, Part 1	Y		Applies to S308 18,500 bbl/day	BAAQMD Condition 22966, Part 2	P/D	Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – Nc
Applicable Limits and Compliance Monitoring Requirements
S437 – HYDROGEN PLANT

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 8-2-301	Y		S437 emission streams with 15 lb/day AND 300 ppm total carbon on a dry basis prohibited	None	N	None
POC	BAAQMD 8-10-301	N		abatement of emissions from process vessel depressurization is required until pressure is reduced to less than 1000 mm Hg	BAAQMD 8-10-501 & 502	P/E	Records
POC	SIP 8-10-301	Y		abatement of emissions from process vessel depressurization is required until pressure is reduced to less than 1000 mm Hg (4.6 psig)	SIP 8-10-401.2	P/E	Records
throughput	BAAQMD Condition 20989, Part A	Y		S437: 10.4 E 9 ft3/yr	BAAQMD Condition 20989, Part A	P/M	records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – O
Applicable Limits and Compliance Monitoring Requirements
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	N		abatement of emissions from process vessel depressurization is required until pressure is reduced to less than 1000 mm Hg (4.6 psig)	BAAQMD 8-10-501 & 8-10-502	P/E	Records
POC	SIP 8-10-301	Y		abatement of emissions from process vessel depressurization is required until pressure is reduced to less than 1000 mm Hg (4.6 psig)	SIP 8-10-401.2	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 3	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	N		abatement of emissions from process vessel depressurization is required until pressure is reduced to less than 1000 mm Hg	BAAQMD 8-10-501 & 502	P/E	Records

VII. Applicable Limits and Compliance Monitoring Requirements

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	SIP 8-10-301	Y		abatement of emissions from process vessel depressurization is required until pressure is reduced to less than 1000 mm Hg (4.6 psig)	SIP 8-10-401.2	P/E	Records
throughput	BAAQMD Condition 6725, Part 4	Y		10,200 bbl/day	BAAQMD Condition 6725, Part 6	P/D	records

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 9-9-301.1.3	Y		9 ppmv (note 1) @15% O_2 (dry)	BAAQMD 9-9-501, Condition 12122, Part 9c	C	CEM
NOx	BAAQMD 9-9-301.2	N	2/1/10	< 9 ppmv (note 1) @15% O_2 (dry) or < 0.43 lb/MWhr	BAAQMD 9-9-501, Condition 12122, Part 9c	C	CEM

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	40 CFR 60.332 (a)(2)	Y		110 ppmv @15% O_2 (dry)	BAAQMD 9-9-501, Condition 12122, Part 9c BAAQMD Condition 18629, Part IX.G.1.a	C	CEM
NOx	BAAQMD Condition 12122, Part 9a	Y		66 lb/hr (averaged over any 3 hour period) and 167 ton/yr for all sources; 528 lb/day for each turbine/duct burner set (condition invalid after emissions reduced to provide offsets pursuant to Application 13424)	BAAQMD Condition 12122, Part 9c	C	CEM
NOx	BAAQMD Condition 12122, Part 9b	Y		66 lb/hr (averaged over any 3 hour period) and 79.8 ton/yr for all sources; 528 lb/day for each turbine/duct burner set (condition in force after emissions reduced to provide offsets pursuant to Application 13424)	BAAQMD Condition 12122, Part 9c	C	CEM

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 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
Opacity	BAAQMD 6-1-301	N		Ringelmann No. 1 for no more than 3 minutes/hour	None for gaseous-fueled sources	N	None
Opacity	SIP 6-301	Y		Ringelmann No. 1 for no more than 3 minutes/hour	None for gaseous-fueled sources	N	None
FP	BAAQMD 6-1-305	N		Prohibition of nuisance	None for gaseous-fueled sources	N	None

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
FP	SIP 6-305	Y		Prohibition of nuisance	None for gaseous-fueled sources	N	None
FP	BAAQMD 6-1-310.3	N		0.15 grain/dscf @ 6% O2	None for gaseous-fueled sources	N	None
FP	SIP 6-310.3	Y		0.15 grain/dscf @ 6% O2	None for gaseous-fueled sources	N	None
SO2	40 CFR 60.333(b)	Y		0.8 % sulfur in fuel by weight (refinery fuel gas only)	40 CFR 60.334(h)(1) and 60.334(h)(4)(i)(2)	P/D, then reduced frequency according to custom schedule	Sulfur analysis
SO2	40 CFR 60.333(b)	Y		0.8 % sulfur in fuel by weight (natural gas only)	40 CFR 60.334(h)(3)(i)	N	None
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 (not applicable to natural gas)	40 CFR 60.105(a)(4) BAAQMD Condition 12122, Part 16	C	H2S analyzer
H2S	40 CFR 60.104(a)(1)	Y		Natural gas only: 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)(iv)	N	None

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		Unit 240 Sweet Unicracker Gas: 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)(iv)	N	None
Through-put	BAAQMD Condition 18629, Part IX.D.2	Y		466 MMbtu/hr at each turbine/duct burner set (moved from 8 rows above)	BAAQMD Conditions 12122, part 9d; 18629, Part IX.D.4	P/M	Fuel meter, records
Through-put	BAAQMD Condition 18629, Part IX.D.3	Y		1048 MMbtu/hr total (moved from 8 rows above)	BAAQMD Conditions 12122, part 9d; 18629, Part IX.D.4	P/M	Fuel meter, records

1 BAAQMD Regulation 9-9-301.2, 9-9-301.3, 9-9-303, and 9-9-305 emission limits may be adjusted pursuant to BAAQMD Regulation 9-9-401.

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – Q.2
Applicable Limits and Compliance Monitoring Requirements
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 (averaged over any 3 hour period) and 167 ton/yr for all sources; 528 lb/day for each turbine/duct burner set (condition invalid after emissions reduced to provide offsets pursuant to Application 13424)	BAAQMD Condition 12122, Part 9c	C	CEM
NOx	BAAQMD Condition 12122, Part 9b	Y		66 lb/hr (average over any 3 hour period) and 79.8 ton/yr for all sources; 528 lb/day for each turbine/duct burner set (condition in force after emissions reduced to provide offsets pursuant to Application 13424)	BAAQMD Condition 12122, Part 9c	C	CEM
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

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(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
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 6-1-301	N		Ringelmann No. 1 for no more than 3 minutes/hour	None for gaseous-fueled sources	N	None

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
Opacity	SIP 6-301	Y		Ringelmann No. 1 for no more than 3 minutes/hour	None for gaseous-fueled sources	N	None
FP	BAAQMD 6-1-305	N		Prohibition of nuisance	None for gaseous-fueled sources	N	None
FP	SIP 6-1-305	Y		Prohibition of nuisance	None for gaseous-fueled sources	N	None
FP	BAAQMD 6-1-310.3	N		0.15 grain/dscf @ 6% O2	None for gaseous-fueled sources	N	None
FP	SIP 6-310.3	Y		0.15 grain/dscf @ 6% O2	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	Fuel meter, 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
H2S	40 CFR 60.104(a)(1)	Y		Natural gas only: 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)(iv)	N	None
H2S	40 CFR 60.104(a)(1)	Y		Unit 240 Sweet Unicracker Gas: 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)(iv)	N	None
Through-put	BAAQMD Condition 18629, Part IX.D.2	Y		466 MMbtu/hr at each turbine/duct burner set (moved from 2 rows above)	BAAQMD Condition 18629, Part IX.D.4	P/M	Fuel meter, records

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
Through-put	BAAQMD Condition 18629, Part IX.D.3	Y		1048 MMbtu/hr total (moved from 2 rows above)	BAAQMD Condition 18629, Part IX.D.4	P/M	Fuel meter, records

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, and 3c	P/M	usage records

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 $\leq$ 5.7 grams per cubic meter (2 lb/1000 barrel) loaded, or	BAAQMD Condition 4336, Part 1	C	A420 temperature

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		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 during every operation)	inspection with portable VOC monitor
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

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 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
Throughput	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
Throughput	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
Through-put	BAAQMD Condition 4336, Part 7	Y		51,182 bbl/day of crude and/or gas oil received on 12-month rolling 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 – Ua
Applicable Limits and Compliance Monitoring Requirements
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	None	N	None
Opacity	BAAQMD 6-1-301	N		Ringelmann No. 1 for no more than 3 minutes/hour	BAAQMD Condition 19278 Part 4	P/M	Visible emissions inspection
Opacity	SIP 6-301	Y		Ringelmann No. 1 for no more than 3 minutes/hour	BAAQMD Condition 19278 Part 4	P/M	Visible emissions inspection
FP	BAAQMD 6-1-305	N		Prohibition of nuisance	None	N	None
FP	SIP 6-305	Y		Prohibition of nuisance	None	N	None
FP	BAAQMD 6-1-310	N		0.15 grain/dscf	BAAQMD Condition 19278 Part 5	P/A	Source test on thermal oxidizer stack
FP	SIP 6-310	Y		0.15 grain/dscf	BAAQMD Condition 19278 Part 5	P/A	Source test on thermal oxidizer stack
FP	SIP 6-1-311	Y	After turn-around	$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	BAAQMD Condition 19278 Part 5	P/A	Source test on thermal oxidizer stack

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – Ua
Applicable Limits and Compliance Monitoring Requirements
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
FP	BAAQMD 6-1-311	N	After turn-around	$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	BAAQMD Condition 19278 Part 5	P/A	Source test on thermal oxidizer stack
Condensable PM	N/A	N			BAAQMD Condition 19278 Part 5	A for 3 years	Source Test
SO3, H2SO4	BAAQMD 6-1-330	N		0.08 grain/dscf exhaust concentration of SO3 and H2SO4, expressed as 100% H2SO4	BAAQMD Condition 19278 Part 2	P/A	Source Test
SO3, H2SO4	SIP 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
SO2	40 CFR 60.102a(f)(1)	Y		250 ppm at 0% excess air, dry, 12-hr rolling average	40 CFR 60.106a	C	CEM on thermal oxidizer stack
SO2	40 CFR 63.1568(a)(1)(i)	Y		250 ppm at 0% excess air, 12-hr rolling average	40 CFR 63.1572	C	CEM on thermal oxidizer stack
Throughput (S1002 only)	BAAQMD Condition 19278, part 6	Y		106.3 long ton/day; 31,390 long ton/yr	BAAQMD Condition 19278, Part 6	P/D	records
Throughput (S1003 only)	BAAQMD Condition 19278, part 6	Y		134.5 long ton/day; 41,975 long ton/yr	BAAQMD Condition 19278, Part 6	P/D	records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – Ua
Applicable Limits and Compliance Monitoring Requirements
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
throughput	BAAQMD Condition 19278, part 6	Y		201 long tons/day for S1002 and S1003	BAAQMD Condition 19278, Part 6	P/D	records
throughput	BAAQMD Condition 22964, Part 1	Y		98,915 long ton/yr for S301, S302, S303	BAAQMD Condition 22964, Part 8	P/M	records
Maintenance allowance for sulfur pit	40 CFR 60.102a(f)(3)	Y		S301-S303 only: 40 CFR 60.102a(f)(1) shall not apply to the sulfur pit for 240 hours/yr during maintenance	40 CFR 60.102a(f)(3)	P/E	records

Table VII – Ub
Applicable Limits and Compliance Monitoring Requirements
S465, MOLTEN SULFUR PIT; S1010 – U235 SULFUR PLANT UNIT

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
	For additional requirements for S1010, see Table VII-I.1.						

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – Ub
Applicable Limits and Compliance Monitoring Requirements
S465, MOLTEN SULFUR PIT; S1010 – U235 SULFUR PLANT UNIT

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
(H2S, 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	BAAQMD Condition 23125, part 20	P/A	Source test
Opacity	BAAQMD 6-1-301	N		Ringelmann No. 1 for no more than 3 minutes/hour	BAAQMD Condition 23125, part 26	P/M	Visible emissions check
Opacity	SIP 6-301	Y		Ringelmann No. 1 for no more than 3 minutes/hour	BAAQMD Condition 23125, part 26	P/M	Visible emissions check
FP	BAAQMD 6-1-305	N		Prohibition of nuisance	None	N	None
FP	SIP 6-305	Y		Prohibition of nuisance	None	N	None
FP	BAAQMD 6-1-310	N		0.15 grain/dscf	BAAQMD Condition 23125, part 20	P/A	Source test
FP	SIP 6-310	Y		0.15 grain/dscf	BAAQMD Condition 23125, part 20	P/A	Source test
FP	BAAQMD 6-1-311	N		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	BAAQMD Condition 23125, part 20	P/A	Source test

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – Ub
Applicable Limits and Compliance Monitoring Requirements
S465, MOLTEN SULFUR PIT; S1010 – U235 SULFUR PLANT UNIT

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
FP	SIP 6-311	Y		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	BAAQMD Condition 23125, part 20	P/A	Source test
PM10	BAAQMD Condition 22970, Part A.2.c	Y		2.9 tons per any consecutive 12 months for S45, S434, and S1010 combined	BAAQMD Condition 22970, Part A.4.b.iv	P/A	Calculations
PM10	BAAQMD Condition 22970, Part A.6	Y		16.7 tons per any consecutive 12 months for S45, S434, and S1010 at Facility A0016 and S2 and S3 at Facility B7419, combined	BAAQMD Condition 22970, Part A.6	P/A	Source tests and calculations
PM10	BAAQMD Condition 23125, part 10b			9.5 lb/day	None	N	None
PM10	BAAQMD Condition 23125, part 11f	Y		1.19 tons per any consecutive 12 months	None	N	None
SO3, H2SO4	BAAQMD 6-1-330	N		0.08 grain/dscf exhaust concentration of SO3 and H2SO4, expressed as 100% H2SO4	BAAQMD Condition 23125, part 20	P/A	Source test
SO3, H2SO4	SIP 6-330	Y		0.08 grain/dscf exhaust concentration of SO3 and H2SO4, expressed as 100% H2SO4	BAAQMD Condition 23125, part 20	P/A	Source test

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – Ub
Applicable Limits and Compliance Monitoring Requirements
S465, MOLTEN SULFUR PIT; S1010 – U235 SULFUR PLANT UNIT

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
SAM	BAAQMD Condition 22970, Part A.2.f	Y		6.01 tons per any consecutive 12 months for S45, S434, and S1010 combined	BAAQMD Condition 22970, Part A.4.b.ii	P/A	Source tests, and calculations
SAM	BAAQMD Condition 22970, Part A.3	Y		38 lb/day for S45, S434, and S1010 at Facility A0016 and S2 at Facility B7419 combined	BAAQMD Condition 22970, Part A.4.b.ii	P/A	Source tests and calculations
SAM	BAAQMD Condition 23125, part 10a	Y		31 lb/day	BAAQMD Condition 23125, part 20	P/A	Source test
SAM	BAAQMD Condition 23125, part 11g			5.65 tons per any consecutive 12 months	BAAQMD Condition 23125, part 20	P/A	Source test
SO2	BAAQMD 9-1-307	Y		250 ppmv, dry, @ 0% O2	BAAQMD 1-520.4 & 9-1-502	C	CEM
SO2	40 CFR 60.102a(f)(1)	Y		250 ppm at 0% excess air, dry, 12-hr rolling average	40 CFR 60.106a	C	CEM on thermal oxidizer stack
SO2	40 CFR 63.1568(a)(1)(i)	Y		250 ppm at 0% excess air, 12-hr rolling average	40 CFR 63.1572	C	CEM
SO2	BAAQMD Condition 22970, Part A.2.b	Y		34.4 tons per any consecutive 12 months for S45, S434, and S1010 combined	BAAQMD Condition 22970, Part A.4.b.i	P/A	CEMS, source tests, and calculations
SO2	BAAQMD Condition 23125, part 7a	Y		50 ppmvd @ 0% O2, 24-hr average	BAAQMD Condition 23125, part 21	C	CEM

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – Ub
Applicable Limits and Compliance Monitoring Requirements
S465, MOLTEN SULFUR PIT; S1010 – U235 SULFUR PLANT UNIT

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
SO2	BAAQMD Condition 23125, part 11g	Y		29.7 tons per any consecutive 12 months	BAAQMD Condition 23125, part 21	C	CEM
O2				None	BAAQMD Condition 23125, part 21	C	CEM
CO	BAAQMD Condition 22970, Part A.2.e	Y		40.72 tons per any consecutive 12 months for S45, S434, and S1010 combined	BAAQMD Condition 22970, Part A.4.b.i	P/A	CEMS, source tests, and calculations
CO	BAAQMD Condition 23125, part 7b	Y		75 ppmvd @ 7% O2, 1-hr average	BAAQMD Condition 23125, part 22	C	CEM
CO	BAAQMD Condition 23125, part 11c			37.9 tons per any consecutive 12 months	BAAQMD Condition 23125, part 22	C	CEM
NOx	BAAQMD Condition 22970, Part A.2.a	Y		13.5 tons per any consecutive 12 months for S45, S434, and S1010 combined	BAAQMD Condition 22970, Part A.4.b.ii	P/A	CEMS, source tests, and calculations
NOx	BAAQMD Condition 23125, part 7c	Y		42.2 ppmv***d*** @ 7% O2, 1-hr average	BAAQMD Condition 23125, part 20	P/A	Source test
NOx	BAAQMD Condition 23125, part 9a	Y		8.0 lb/hr	BAAQMD Condition 23125, part 20	P/A	Source test

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – Ub
Applicable Limits and Compliance Monitoring Requirements
S465, MOLTEN SULFUR PIT; S1010 – U235 SULFUR PLANT UNIT

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 23125, part 11d			11.2 tons per any consecutive 12 months	BAAQMD Condition 23125, part 20	P/A	Source test
NH3	BAAQMD Condition 22970, Part A.2.g	N		6.35 tons per any consecutive 12 months for S45, S434, and S1010 combined	BAAQMD Condition 22970, Part A.4.b.iii	P/A	Source tests and calculations
NH3	BAAQMD Condition 23125, part 8a	N		12.5 ppmv @ 7% O2, 24-hr basis	BAAQMD Condition 23125, part 20	P/A	Source test
NH3	BAAQMD Condition 23125, part 9c			0.88 lb/hr	BAAQMD Condition 23125, part 20	P/A	Source test
NH3	BAAQMD Condition 23125, part 11b			3.85 tons per any consecutive 12 months	BAAQMD Condition 23125, part 20	P/A	Source test
POC	BAAQMD Condition 22970, Part A.2.d	Y		1.9 tons per any consecutive 12 months for S45, S434, and S1010 combined	BAAQMD Condition 22970, Part A.4.b.iv	P/A	CEMS, source tests, and calculations
POC	BAAQMD Condition 23125, part 11e			0.43 tons per any consecutive 12 months	None	N	None
H2S	BAAQMD Condition 23125, part 8b	N		2.5 ppmv @ 0% O2	BAAQMD Condition 23125, part 20	P/A	Source test

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – Ub
Applicable Limits and Compliance Monitoring Requirements
S465, MOLTEN SULFUR PIT; S1010 – U235 SULFUR PLANT UNIT

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
H2S	BAAQMD Condition 23125, part 8b	N		2.5 ppmv @ 0% O2	BAAQMD Condition 23125, parts 14-18	C	Temperature monitoring
H2S	BAAQMD Condition 23125, part 9b			0.23 lb/hr	BAAQMD Condition 23125, part 20	P/A	Source test
H2S	BAAQMD Condition 23125, part 11h			0.975 tons per any consecutive 12 months	BAAQMD Condition 23125, parts 14-18	C	Temperature monitoring
H2S	BAAQMD Condition 23125, part 11k			10 tons per any consecutive 12 months	BAAQMD Condition 23125, parts 14-18	C	Temperature monitoring
Total Reduced Sulfur	BAAQMD Condition 23125, part 11i			10 tons per any consecutive 12 months	BAAQMD Condition 23125, part 20	P/A	Source test
Total Reduced Sulfur	BAAQMD Condition 23125, part 13			2.2 lb/hr	BAAQMD Condition 23125, part 20	P/A	Source test
Reduced Sulfur Com-pounds	BAAQMD Condition 23125, part 11j			10 tons per any consecutive 12 months	BAAQMD Condition 23125, part 20	P/A	Source test
Reduced Sulfur Com-pounds	BAAQMD Condition 23125, part 13			2.2 lb/hr	BAAQMD Condition 23125, part 20	P/A	Source test

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – Ub
Applicable Limits and Compliance Monitoring Requirements
S465, MOLTEN SULFUR PIT; S1010 – U235 SULFUR PLANT UNIT

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 22964, part 2	N		73,000 long tons/yr (S465 only)	BAAQMD Condition 22964, part 5	P/M	records
throughput	BAAQMD Condition 23125, part 1	N		200 long ton/day (S1010 only)	BAAQMD Condition 23125, part 4	P/D	Records
Tempe-rature	BAAQMD Condition 23125, part 13	Y		1496 F	BAAQMD Condition 23125, parts 14-18	C	Temperature monitoring
Mainte-nance allowance for sulfur pit	40 CFR 60.102a(f)(3)	Y		S465 only: 40 CFR 60.102a(f)(1) shall not apply to the sulfur pit for 240 hours/yr during maintenance	40 CFR 60.102a(f)(3)	P/E	records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – Uc
Applicable Limits and Compliance Monitoring Requirements
S503, SULFUR STORAGE TANK; S504, SULFUR DEGASSING UNIT; AND S505, SULFUR LOADING RACK

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 6-1-301	N		Ringelmann No. 1 for no more than 3 minutes/hour	None	N	None
Opacity	SIP 6-301	Y		Ringelmann No. 1 for no more than 3 minutes/hour	None	N	None
FP	BAAQMD 6-1-305	N		Prohibition of nuisance	None	N	None
FP	SIP 6-305	Y		Prohibition of nuisance	None	N	None
FP	BAAQMD 6-1-310	N		0.15 grain/dscf	None	N	None
FP	SIP 6-310	Y		0.15 grain/dscf	None	N	None
FP	BAAQMD 6-1-311	N		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	None	N	None
FP	SIP 6-311	Y		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	None	N	None
throughput	BAAQMD Condition 23125, part 2	N		471 long ton/day (S503 only)	BAAQMD Condition 23125, part 24	P/D	records

VII. Applicable Limits and Compliance Monitoring Requirements

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	N		abatement of emissions from process vessel depressurization is required until pressure is reduced to less than 1000 mm Hg (4.6 psig)	BAAQMD 8-10-501 & 8-10-502	P/E	Records
POC	SIP 8-10-301	Y		abatement of emissions from process vessel depressurization is required until pressure is reduced to less than 1000 mm Hg (4.6 psig)	SIP 8-10-401.2	P/E	Records
VOC	BAAQMD Condition 12121, Part 1	Y		daily feed rate limit (11,040 bbl/day)	BAAQMD Condition 12121, Part 2	P/D	records
throughput	BAAQMD Condition 20989, Part A	Y		4.03 E 6 bbl/yr	BAAQMD Condition 20989, Part A	P/M	records

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 6-1-301	Y		Ringelmann No. less than 1 for more than 3 minutes/hr	BAAQMD Condition 18251, Part 2b	P/Q	Pressure Drop
FP	BAAQMD 6-1-305	Y		Prohibition of nuisance	BAAQMD Condition 18251, Part 2b	P/Q	Pressure Drop
FP	BAAQMD 6-1-310	Y		No emissions from source > 343 mg per dscm (0.15 grains per dscf)of gas volume	BAAQMD Condition 18251, Part 2b	P/Q	Pressure Drop
FP	BAAQMD 6-1-311	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

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – X
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

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 $\leq$ 100 ppm	BAAQMD 8-18-401.2	P/Q	Inspection
POC	BAAQMD 8-18-302	Y		Valve leak $\leq$ 100 ppm	BAAQMD 8-18-401.2	P/Q	Inspection
POC	BAAQMD 8-18-303	Y		Pump and compressor leak $\leq$ 500 ppm	BAAQMD 8-18-401.2	P/Q	Inspection
POC	BAAQMD 8-18-304	N		Connection leak $\leq$ 100 ppm	BAAQMD 8-18-401.6	P/A	Inspection
POC	SIP 8-18-304	Y		Connection leak $\leq$ 100 ppm	BAAQMD 8-18-401.6	P/A	Inspection
POC	BAAQMD 8-18-305	Y		Pressure relief valve leak $\leq$ 500 ppm	BAAQMD 8-18-401.2	P/Q	Inspection
POC	BAAQMD 8-18-306.1	N		Non-repairable essential equipment leak must be <10.000 ppm	BAAQMD 8-18-502.4	P/Q	report
POC	SIP 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/Q	report

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 8-18-306.2	N		Awaiting repair Valves ≤ 0.15% Pressure Relief ≤ 0.5% Pump and Connector ≤ 0.5%	BAAQMD 8-18-401.5	P/within 24 hours	Inspection
POC	SIP 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
	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
POC	BAAQMD 8-18-309	Y		Open ended valves shall seal the open end at all times except during operations requiring process fluid flow through the open-ended valve or line.	BAAQMD 8-18-502	E	records
POC	BAAQMD 8-18-311	N		All equipment emits POC < 5 lb/day, except during any repair periods	BAAQMD 8-18-502.4	P/Q	sampling or equivalent
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

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 8-28-304	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 60.482-7(b)	Y		Valve leak: 10,000 ppm	40 CFR 60.482-7(a)	P/M	Measure for leaks
POC	40 CFR 60.482-7(b)	Y		Valve leak: 10,000 ppm; 2 successive months w/o leaking	40 CFR 60.482-7(c)	P/Q	Measure for leaks
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

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 60.482-8(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
60; Subpart VVa							
POC	40 CFR 60.482-2a (b)(1)	Y		Pump leak < 2,000 ppm	40 CFR 60.482-2a (a)(1)	P/M	Measure for leaks
POC	40 CFR 60.482-2a (b)(2)	Y		Pump leak Indicated by dripping liquid	40 CFR 60.482-2a (a)(2)	P/W	Visual Inspection
POC	40 CFR 60.482-2a (e)	Y		Designated "No detectable emissions" < 500 ppm	40 CFR 60.482-2(e)(3)	P/A	Measure for leaks
POC	40 CFR 60.482-3a (f)	Y		Leak is failure of seal or barrier system	40 CFR 60.482-3a(d)-(f)	C	Sensor for detection of seal or barrier system failure

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 60.482-7a (b)	Y		Valve leak > 500 ppm	40 CFR 60.482-7a (a)(1)	P/M unless 2 successive months w/o leak	Measure for leaks
POC	40 CFR 60.482-7a (c)(1)(i)	Y		Valve leak < 500 ppm; 2 successive months w/o leaking	40 CFR 60.482-7(c)	P/Q unless leak found, then monthly monitoring	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 60.482-8a(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 60.482-8a(a)	P/E	Visible, Audible, or olfactory Inspection
POC	40 CFR 60.482-8a(b)	Y		Pressure Relief devices (liquid), Flanges, Connectors leak > 10,000 ppm	40 CFR 60.482-8a(a)	P/E	Measure for leaks
61; Subpart FF							
Benzene	40 CFR 61.345(a) (1)(i)	Y		No detectable emissions, < 500 ppmv	40 CFR 61.345(a)(1) (i)	P/A	Method 21
Benzene	40 CFR 61.345(b)	Y		Visual defects	40 CFR 61.345(b)	P/Q	visual
Benzene	40 CFR 61.346(a) (1)(i)(A)	Y		No detectable emissions, < 500 ppmv	40 CFR 61.346(a)(1) (i)(A)	P/A	Method 21
Benzene	40 CFR 61.346(a) (2)	Y		Visual defects	40 CFR 61.346(a)(2)	P/Q	visual

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
Benzene	40 CFR 61.347(a)(1)(i)	Y		No detectable emissions, < 500 ppmv	40 CFR 61.347(a)(1)(i)	P/A	Method 21
Benzene	40 CFR 61.347(b)	Y		Visual defects	40 CFR 61.347(b)	P/Q	visual
BAAQMD Condition 23725							
POC	Condition 23725, part 1b	Y		Valve leak for CFEP ≤ 100 ppm	Condition 23725, part 4	P/Q	Inspection
POC	Condition 23725, part 1b	Y		Pump and compressor leak for CFEP ≤ 100 ppm	Condition 23725, part 4	P/Q	Inspection
POC	BAAQMD 8-18-304	N		Connection leak ≤ 100 ppm	BAAQMD 8-18-401.6	P/A	Inspection
POC	Condition 23725, part 2	Y		Emissions from CFEP components < 6.1 tons per year	None Deter-mination made once upon completion		

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

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 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 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

VII. Applicable Limits and Compliance Monitoring Requirements

able VII – BB.2
Applicable Limits and Compliance Monitoring Requirements
LOW VAPOR PRESSURE PERMITTED TANKS < 10,000 GALLONS
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		S194: 100 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
VENTED TO FUEL GAS
S173 (Tank 280), S174 (Tanks 281)

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Tanks S173 and S174 will be subject to the requirements in Table VII-BB.19 until they are controlled by A7, Odor Abatement System. S173 and S174 will be subject to the requirements in Table VII-BB.34 when controlled by A7.							
	BAAQMD Regulation 8, Rule 5 - Organic Compounds - STORAGE OF ORGANIC LIQUIDS **Exempt per 8-5-117. Low vapor pressure**						

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – BB.3
Applicable Limits and Compliance Monitoring Requirements
LOW VAPOR PRESSURE PERMITTED TANKS
VENTED TO FUEL GAS
S173 (Tank 280), S174 (Tanks 281)

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	BAAQMD 8-5-117 & 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						
VOC	Condition #23724, part 4b	Y		Applies to S173 1.8 inches of water	Condition #23724, part 3	C	Pressure monitoring
VOC	Condition #23724, part 4b	Y		Applies to S174 1.8 inches of water	Condition #23724, part 3	C	Pressure monitoring

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – BB.4
Applicable Limits and Compliance Monitoring Requirements
NSPS Kb Low Vapor Pressure Permitted Wastewater Sludge Tanks
S195 (Tank 501),

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
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
	BAAQMD PERMIT CONDITIONS						
throughput	BAAQMD Condition 20989, Part A	Y		S195 525,600 bbl/yr	BAAQMD Condition 20989, Part A	P/M	Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – BB.5
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)

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 & SIP 8-5-301	Y		Record of liquids stored and true vapor pressure	BAAQMD 8-5-501.1 & SIP 8-5-501.1	periodic initially and upon change of service	records
VOC	BAAQMD 8-5-304.6.1	N		Leaking pontoons gas tight requirements	BAAQMD 8-5-412	P/Q until repaired	Method 21 portable hydrocarbon detector
VOC	BAAQMD 8-5-320 & SIP 8-5-320	Y		Floating roof fitting closure standards; includes gasketed covers	BAAQMD 8-5-401.2 & SIP 8-5-401.2	P/SA	Measurement and visual inspection
VOC	BAAQMD 8-5-321 & SIP 8-5-321	Y		Primary rim-seal standards; includes gap criteria	BAAQMD 8-5-401.1 & SIP 8-5-401.1	P/SA and every time a seal is replaced	Seal inspection
VOC	BAAQMD 8-5-322 & SIP 8-5-322	Y		Secondary rim-seal standards; includes gap criteria	BAAQMD 8-5-401.1 & SIP 8-5-401.1	P/SA and every time a seal is replaced	Seal inspection
VOC	BAAQMD 8-5-328.1	N		Residual organic concentration of < 10,000 ppm as methane after degassing	BAAQMD 8-5-328.1	P/each time emptied & degassed; 4 consecutive measurements at 15 minute intervals	Method 21 portable hydrocarbon detector
VOC	SIP 8-5-328.1.2	Y		Concentration of < 10,000 ppm as methane after degassing	SIP 8-5-503	periodic each time emptied & degassed	Portable hydrocarbon detector
VOC		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.5
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)

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)(2), 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)(2), 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)(2), 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)(2), 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
	BAAQMD PERMIT CONDITIONS						
The following applies to S439 only							
throughput	BAAQMD Condition 12124, Part 1	Y		10,000,000 bbl/yr crude oil only or petroleum liquids below 3.0 psia	BAAQMD Condition 12124, Part 3	P/M	records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – BB.5
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)

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
The following applies to 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		10,000,000 bbl/yr gas oil 10,000,000 bbl/yr crude oil 10,000,000 bbl/yr gas oil and crude oil combined	BAAQMD Condition 12127, Part 4	P/M	records
Vapor pressure	BAAQMD Condition 12127, Part 2	Y		Gas oil vapor pressure less than or equal to 3.0 psia Crude oil true vapor pressure less tha or equal to 11.0 psia	BAAQMD Condition 12127, Part 2	N	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

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – BB.6
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 & SIP 8-5-501.1	periodic initially and upon change of service	records
VOC	BAAQMD 8-5-304.6.1	N		Leaking pontoons gas tight requirements	BAAQMD 8-5-412	P/Q until repaired	Method 21 portable hydrocarbon detector
VOC	BAAQMD & SIP 8-5-320	Y		Floating roof fitting closure standards; includes gasketed covers	BAAQMD & SIP 8-5-401.2	P/SA	Measurement and visual inspection
VOC	BAAQMD & SIP 8-5-321	Y		Primary rim-seal standards; includes gap criteria	BAAQMD & SIP 8-5-401.1	P/SA and every time a seal is replaced	Seal inspection
VOC	BAAQMD & SIP 8-5-322	Y		Secondary rim-seal standards; includes gap criteria	BAAQMD & SIP 8-5-401.1	P/SA and every time a seal is replaced	Seal inspection
VOC	BAAQMD 8-5-328.1	N		Residual organic concentration of < 10,000 ppm as methane after degassing	BAAQMD 8-5-328.1	P/each time emptied & degassed; 4 consecutive measurements at 15 minute intervals	Method 21 portable hydrocarbon detector
VOC	SIP 8-5-328.1.2	Y		Concentration of < 10,000 ppm as methane after degassing	SIP 8-5-503	periodic each time emptied & degassed	Portable hydrocarbon detector
VOC		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.6
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	N		Pressure vacuum valve set to 90% of tank's maximum allowable working pressure or at least 0.5 psig	BAAQMD 8-5-501.4	P/initial	Records
VOC	SIP 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	SIP 8-5-403	P/SA	visual inspection
VOC	BAAQMD 8-5-303.2	N		Pressure vacuum valve sealing mechanism must be gas-tight: < 500 ppm	BAAQMD 8-5-403 8-5-403.1	P/SA	Method 21 portable hydrocarbon detector
				OR	BAAQMD 8-5-403 8-5-403.1 8-5-411.3 (optional)	P/Q (optional)	Method 21 portable hydrocarbon detector
				Pressure vacuum valve sealing mechanism must be vented to abatement with 95% efficiency	BAAQMD 8-5-502.1	P/A	Source test (Not required if vented to fuel gas)
VOC	SIP 8-5-303.2	Y		Pressure vacuum valve must be gas-tight: < 500 ppm (as methane) above background	SIP 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

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – BB.6
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	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** **40 CFR 61 Subpart FF – NESHAPS for Benzene Waste Sources** **LIMITS AND MONITORING FOR EXTERNAL FLOATING ROOF TANKS**						
VOC	40 CFR 60.692-3(d) 61.351(a)(2) 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) 61.351(a)(2) 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
VOC	40 CFR 60.692-3(d) 61.351(a)(2) 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) 61.356(k) 60.115b(b)(3)	periodic For each gap measurement	Records
VOC		Y		Inspection report for seal gap measurements	40 CFR 60.692-3(d) 61.357(f) 60.115b(b)(2)	periodic Within 60 days of seal gap measurement	Report

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – BB.6
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		Y		Inspection report for non-compliant seals	40 CFR 60.692-3(d) 61.357(f) 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 gall/yr S106: 3.68 E 9 gal/yr	BAAQMD Condition 20989, Part A	P/M	records

Table VII – BB.7A
Applicable Limits and Compliance Monitoring Requirements
NSPS Kb Zero Gap Internal Floating Roof Tank
but with NSPS Kb and BAAQMD 8-5 Flexibility
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
	S448 will be subject to the requirements of Table IV-BB.7A when storing materials subject to NSPS Kb and BAAQMD 8-5. S448 will be subject to the requirements of Table IV-BB.7B when storing materials exempt from NSPS Kb and BAAAMD 8-5.						
	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 & SIP 8-5-501.1 & Condition 12133, Part 4a	periodic initially and upon change of service	Records
VOC	BAAQMD & SIP 8-5-320	Y		Floating roof fitting closure standards; includes gasketed covers	BAAQMD & SIP 8-5-402.3	P/SA	Measurement and visual inspection

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – BB.7A
Applicable Limits and Compliance Monitoring Requirements
NSPS Kb Zero Gap Internal Floating Roof Tank
but with NSPS Kb and BAAQMD 8-5 Flexibility
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	BAAQMD & SIP 8-5-321	Y		Primary rim-seal standards; includes gap criteria	BAAQMD & SIP 8-5-402.1 & Condition 12133, Part 4c	periodic 10 year intervals and every time a seal is replaced & prior to refilling tank with VOL	Seal inspection
VOC	BAAQMD & SIP 8-5-322	Y		Secondary rim-seal standards; includes gap criteria	BAAQMD & SIP 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 & SIP 8-5-402.2	P/SA	Visual inspection
VOC	BAAQMD 8-5-320 8-5-321 8-5-321.1 8-5-322.1	N		Floating roof fittings, visual inspection of outer most seal	BAAQMD 8-5-402.2 8-5-402.3 8-5-411.3 (optional)	P/Q (optional)	Fitting inspection; Visual inspection
VOC	BAAQMD 8-5-328.1	N		Residual organic concentration of < 10,000 ppm as methane after degassing	BAAQMD 8-5-328.1	P/each time emptied & degassed; 4 consecutive measurements at 15 minute intervals	Method 21 portable hydrocarbon detector
VOC	SIP 8-5-328.1.2	Y		Concentration of < 10,000 ppm as methane after degassing	SIP 8-5-503	periodic each time emptied & degassed	Portable hydrocarbon detector

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – BB.7A
Applicable Limits and Compliance Monitoring Requirements
NSPS Kb Zero Gap Internal Floating Roof Tank
but with NSPS Kb and BAAQMD 8-5 Flexibility
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		Records of tank seal replacement	BAAQMD 8-5-501.2	periodic after each tank seal replacement	Records
	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)(2), 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)(2), 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) & Condition 12133, Part 4c	periodic initially & each time emptied & degassed & prior to refilling tank with VOL, at least every 10 yr	visual inspection
VOC	40 CFR 63.640 (n)(2), 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) & Condition 12133, Part 4c	periodic initially & each time emptied & degassed & prior to refilling tank with VOL, at least every 10 yr	visual inspection
VOC	40 CFR 63.640 (n)(2), 60.113b (a)(2)	Y		Internal visual inspection from viewports of fixed roof	40 CFR 63.640(n)(8), 60.113b (a)(2) & (3)	periodic initially & annually	visual inspection

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – BB.7A
Applicable Limits and Compliance Monitoring Requirements
NSPS Kb Zero Gap Internal Floating Roof Tank
but with NSPS Kb and BAAQMD 8-5 Flexibility
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	40 CFR 63.640 (n)(2), 60.116b (c)	Y		Record of liquid stored and true vapor pressure	40 CFR 63.640(n)(8), 60.116b (c) & (e) & Condition 12133, Part 4a	periodic upon change of service	records
VOC		Y		Record of each initial, annual, and 10-year tank inspection	40 CFR 63.640(n)(8), 60.115b(a)(2)	periodic for each tank inspection	records
VOC		Y		Report of non-compliant annual inspection for tanks with secondary seals	40 CFR 63.640(n)(8), 60.115b(a)(4)	periodic within 30 days of tank inspection	report
	BAAQMD PERMIT CONDITIONS						
throughput	BAAQMD Condition 12133, Part 1	Y		2,190,000 bbl/yr	BAAQMD Condition 12133, Part 3	P/M	records

Table VII – BB.7B
Applicable Limits and Compliance Monitoring Requirements
NSPS Kb Zero-Gap Internal Floating Roof Tank
but with NSPS Kb and BAAQMD 8-5 Flexibility
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
	S448 will be subject to the requirements of Table IV-BB.7A when storing materials subject to NSPS Kb and BAAQMD 8-5. S448 will be subject to the requirements of Table IV-BB.7B when storing materials exempt from NSPS Kb and BAAAMD 8-5.						
	BAAQMD Regulation 8, Rule 5 - Organic Compounds - STORAGE OF ORGANIC LIQUIDS Exempt per 8-5-117. Low vapor pressure						

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – BB.7B
Applicable Limits and Compliance Monitoring Requirements
NSPS Kb Zero-Gap Internal Floating Roof Tank
but with NSPS Kb and BAAQMD 8-5 Flexibility
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
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 & Condition 12133, Part 4a	P/E	Vapor pressure determination upon material change & Records
	40 CFR 63, Subpart CC – National Emission Standards for Hazardous Air Pollutants for Petroleum Refineries RECORDKEEPING ONLY						
HAP	40 CFR 63.641	Y		Retain weight percent total organic HAP in stored liquid for Group 2 determination. Keep records of vessel dimensions, capacity, and identification of liquid stored.	40 CFR 63.655(i)(1)(iv) and 40 CFR 63.655(i)(1)(vi)	periodic initially and upon change in service	Records
	BAAQMD Permit Conditions						
throughput	BAAQMD Condition 12133, Part 1	Y		Throughput of materials that are not subject to Regulation 8, Rule 5 and 40 CFR Part 60 Subpart Kb is not restricted	BAAQMD Condition 12133, Part 3	P/M	records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – BB.8
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 & SIP 8-5-501.1	periodic initially and upon change of service	Records
VOC	BAAQMD & SIP 8-5-320	Y		Floating roof fitting closure standards; includes gasketed covers	BAAQMD & SIP 8-5-402.3	P/SA	Measurement and visual inspection
VOC	BAAQMD & SIP 8-5-321	Y		Primary rim-seal standards; includes gap criteria	BAAQMD & SIP 8-5-402.1	periodic 10 year intervals and every time a seal is replaced	Seal inspection
VOC	BAAQMD & SIP 8-5-322	Y		Secondary rim-seal standards; includes gap criteria	BAAQMD & SIP 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 & SIP 8-5-402.2	P/SA	Visual inspection
VOC	BAAQMD 8-5-320 8-5-321 8-5-321.1 8-5-322.1	N		Floating roof fittings, visual inspection of outer most seal	BAAQMD 8-5-402.2 8-5-402.3 8-5-411.3 (optional)	P/Q (optional)	Fitting inspection; Visual inspection

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – BB.8
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 8-5-328.1	N		Residual organic concentration of < 10,000 ppm as methane after degassing	BAAQMD 8-5-328.1	P/each time emptied & degassed; 4 consecutive measurements at 15 minute intervals	Method 21 portable hydrocarbon detector
VOC	SIP 8-5-328.1.2	Y		Concentration of < 10,000 ppm as methane after degassing	SIP 8-5-503	periodic each time emptied & degassed	Portable hydrocarbon detector
VOC		Y		Records of tank seal replacement	BAAQMD 8-5-501.2	periodic after each tank seal replacement	Records
VOC	BAAQMD 8-5-303.1	N		Pressure vacuum valve set to 90% of tank's maximum allowable working pressure or at least 0.5 psig	BAAQMD 8-5-501.4	P/initial	Records
VOC	SIP 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	SIP 8-5-403	P/SA	visual inspection
VOC	BAAQMD 8-5-303.2	N		Pressure vacuum valve sealing mechanism must be gas-tight: < 500 ppm	BAAQMD 8-5-403 8-5-403.1	P/SA	Method 21 portable hydrocarbon detector
				OR	BAAQMD 8-5-403 8-5-403.1 8-5-411.3 (optional)	P/Q (optional)	Method 21 portable hydrocarbon detector
				Pressure vacuum valve sealing mechanism must be vented to abatement with 95% efficiency	BAAQMD 8-5-502.1	P/A	Source test (Not required if vented to fuel gas)

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – BB.8
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	SIP 8-5-303.2	Y		Pressure vacuum valve must be gas-tight: < 500 ppm (as methane) above background	SIP 8-5-403 8-5-503 8-5-605	P/SA	Method 21 portable hydrocarbon detector
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
HAP	40 CFR 63.660 and subpart WW or subpart SS according to the provisions of 63.660	Y		Rim-seal standards, deck fitting standards, operational requirements, inspection and repair requirements		P/A or periodic each time emptied & degassed, at least every 10 years	visual inspection
	BAAQMD PERMIT CONDITIONS						

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – BB.8
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
throughput	BAAQMD Condition 20989, Part A	N		S257: 7.01 E 7 bbl/yr S258: 7.01 E 7 bbl/yr	BAAQMD Condition , Part A	P/M	Records
Throughput	BAAQMD Condition 26689 Part 1	Y		S126: 594,845 bbl/ consecutive 12-month period	BAAQMD Condition 26689 Part 5	P/M	Records

Table VII – BB.9
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), S506 (TANK 257)

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

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – BB.9
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), S506 (Tank 257)

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 8-5-306	Y		Control device standards; includes 95% efficiency requirement	BAAQMD 8-5-603.1	not specified	MOP Volume IV ST-4
VOC	BAAQMD 8-5-328.1.2	Y		Organic concentration in tank <10,000 ppm as methane after cleaning	BAAQMD 8-5-503	periodic each time emptied & degassed	portable hydrocarbon detector
VOC		Y		Determination of applicability	BAAQMD 8-5-604	P/E	look-up table or sample analysis
NONE	**40 CFR 63 Subpart CC – NESHAPS for Petroleum Refineries** **Exempt per 63.640(d)(5). Emission point routed to fuel gas system.**						
	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							
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

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – BB.9
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), S506 (Tank 257)

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
The following applies to 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
The following applies to S135, S360, S445, and S449.							
	Condition #23724, part 4a	Y		Applies to S135 1.7 inches of water	Condition #23724, part 3	C	Pressure monitoring
	Condition #23724, part 4a	Y		Applies to S360 1.9 inches of water	Condition #23724, part 3	C	Pressure monitoring
	Condition #23724, part 4a	Y		Applies to S445 1.9 inches of water	Condition #23724, part 3	C	Pressure monitoring
	Condition #23724, part 4a	Y		Applies to S449 1.5 inches of water	Condition #23724, part 3	C	Pressure monitoring
The following applies to S506 only							
VOC	Condition #23724, part 4a	Y		Applies to S506 2.2 inches of water	Condition #23724, part 3	C	Pressure monitoring

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – BB.10
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 & SIP 8-5-501.1	periodic initially and upon change of service	records
VOC	BAAQMD 8-5-303.1	N		Pressure vacuum valve set to 90% of tank's maximum allowable working pressure or at least 0.5 psig	BAAQMD 8-5-501.4	P/initial	Records
VOC	BAAQMD 8-5-303.2	N		Pressure vacuum valve sealing mechanism must be gas-tight: < 500 ppm **OR**	BAAQMD 8-5-403 8-5-403.1	P/SA	Method 21 portable hydrocarbon detector
					BAAQMD 8-5-403 8-5-403.1 8-5-411.3 (optional)	P/Q (optional)	Method 21 portable hydrocarbon detector
				Pressure vacuum valve sealing mechanism must be vented to abatement with 95% efficiency	BAAQMD 8-5-502.1	P/A	Source test (Not required if vented to fuel gas)
VOC	SIP 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	SIP 8-5-403	P/SA	visual inspection
VOC	SIP 8-5-303.2	Y		Pressure vacuum valve must be gas-tight: < 500 ppm (as methane) above background	SIP 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
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
VOC	BAAQMD 8-5-306.1	N		Control device standards; includes 95% efficiency requirement	BAAQMD 8-5-502	N	No monitoring required – vented to fuel gas recovery system
VOC	SIP 8-5-306	Y		Control device standards; includes 95% efficiency requirement	SIP 8-5-603.1	not specified	MOP Volume IV ST-4
VOC	BAAQMD 8-5-328.1	N		Residual organic concentration of < 10,000 ppm as methane after degassing	BAAQMD 8-5-328.1	P/each time emptied & degassed; 4 consecutive measurements at 15 minute intervals	Method 21 portable hydrocarbon detector
VOC	SIP 8-5-328.1.2	Y		Organic concentration in tank <10,000 ppm as methane after cleaning	SIP 8-5-503	periodic each time emptied & degassed	portable hydrocarbon detector
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 only to S446							
VOC	BAAQMD Condition 12131, 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.10
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 S447							
VOC	BAAQMD Condition 12132, Part 1	Y		Requirement to vent working emissions to fuel gas system	None	N	None

Table VII – BB.11
Applicable Limits and Compliance Monitoring Requirements
MACT Zero-Gap External Floating-Roof Tanks
S97 (Tank 100), S98 (Tank 101), 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

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – BB.11
Applicable Limits and Compliance Monitoring Requirements
MACT ZERO-GAP EXTERNAL FLOATING-ROOF TANKS
S97 (TANK 100), S98 (TANK 101), 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 8-5-320.3, 8-5-320.4.2, 320.4.3, 320.5.2 (gaps only), 320.5.3, 8-5-320.6	N		Applies to list of tanks chosen by facility Floating roof fitting closure standards; includes gasketed covers	BAAQMD 8-5-401.2 and 8-5-411	P/Q	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 8-5-321.1, 8-5-321.3.1, 8-5-321.3.2, 8-5-321.3.3, 8-5-321.4	N		Applies to list of tanks chosen by facility Primary rim-seal standards; includes gap criteria	BAAQMD 8-5-401.1 and 8-5-411	P/Q and every time a seal is replaced	Seal inspection
VOC	BAAQMD 8-5-322	Y		Applies to list of tanks chosen by facility Secondary rim-seal standards; includes gap criteria	BAAQMD 8-5-401.1 and 8-5-411	P/Q and every time a seal is replaced	Seal inspection
VOC	BAAQMD 8-5-322.1, 8-5-322.2, 8-5-322.3, 8-5-322.4, 8-5-322.5	Y		Secondary rim-seal standards; includes gap criteria	BAAQMD 8-5-401.1	P/SA and every time a seal is replaced	Seal inspection
VOC	BAAQMD 8-5-328.1.2	Y		Concentration of < 10,000 ppm as methane after degassing	BAAQMD 8-5-503	periodic each time emptied & degassed	Portable hydrocarbon detector

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – BB.11
Applicable Limits and Compliance Monitoring Requirements
MACT ZERO-GAP EXTERNAL FLOATING-ROOF TANKS
S97 (TANK 100), S98 (TANK 101), 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		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
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 8-5-303.1	N		Applies to list of tanks chosen by facility Good operating condition only	BAAQMD 8-5-403 and 8-5-411	P/Q	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 8-5-303.2	Y		Applies to list of tanks chosen by facility Gas tight requirement only	BAAQMD 8-5-403 8-5-411 8-5-503 8-5-605	P/Q	Method 21 portable hydrocarbon detector

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – BB.11
Applicable Limits and Compliance Monitoring Requirements
MACT ZERO-GAP EXTERNAL FLOATING-ROOF TANKS
S97 (TANK 100), S98 (TANK 101), 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
	40 CFR 61 Subpart FF – NESHAPS for Benzene Waste Sources **40 CFR 60, Subpart Kb – NSPS for VOL Storage Vessels** **LIMITS AND MONITORING FOR EXTERNAL FLOATING ROOF TANKS** **Applies to S107 only**						
VOC	40 CFR 61.351 (a)(2), 60.112b (a)(2)(ii)	Y		Deck fitting closure standards; includes gasketed covers	40 CFR 60.113b (b)(6)	periodic initially & each time emptied & degassed	visual inspection
VOC	40 CFR 61.351 (a)(2), 60.113b (b)(4)(i)	Y		Primary rim-seal standards; includes gap criteria	40 CFR 60.113b (b)(1)-(b)(3)	periodic initially & at 5 yr intervals	measurement and visual inspection
VOC	40 CFR 61.351 (a)(2), 60.113b (b)(4)(ii)	Y		Secondary rim-seal standards; includes gap criteria	40 CFR 60.113b (b)(1)-(b)(3)	periodic initially & annually	measurement and visual inspection
VOC		Y		Seal inspection records for report in 60.115b(b)(2)	40 CFR 61.356(k), 60.115b(b)(3)	periodic For each gap measurement	Records
VOC		Y		Inspection report for seal gap measurements	40 CFR 61.357(f), 60.115b(b)(2)	periodic Within 60 days of seal gap measurement	Report

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – BB.11
Applicable Limits and Compliance Monitoring Requirements
MACT ZERO-GAP EXTERNAL FLOATING-ROOF TANKS
S97 (TANK 100), S98 (TANK 101), 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		Y		Inspection report for non-compliant seals	40 CFR 61.357(f), 60.115b(b)(4)	periodic Within 30 days of seal inspection	Report
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

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – BB.11
Applicable Limits and Compliance Monitoring Requirements
MACT ZERO-GAP EXTERNAL FLOATING-ROOF TANKS
S97 (TANK 100), S98 (TANK 101), 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
HAP	40 CFR 63.660 and subpart WW or subpart SS according to the provisions of 63.660	Y		Rim-seal standards, deck fitting standards, operational requirements, inspection and repair requirements		P/A or periodic each time emptied & degassed, at least every 10 years	visual inspection
	BAAQMD PERMIT CONDITIONS						
VOC	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		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 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.11
Applicable Limits and Compliance Monitoring Requirements
MACT ZERO-GAP EXTERNAL FLOATING-ROOF TANKS
S97 (TANK 100), S98 (TANK 101), 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 25477, Part 1	Y		S97: 15.571 MMbbl crude oil/12-month period Crude oil only	BAAQMD 8-5-501.1; BAAQMD Condition 25477, Part 3	P/M	Records and calculations
throughput	BAAQMD Condition 22478, Part 5	Y		S123: 3.0 E 6 bbl/yr	BAAQMD 8-5-501.1	periodic initially and upon change of service	Records
throughput	BAAQMD Condition 22478, Part 6	Y		S124: 3.0 E 6 bbl/yr	BAAQMD 8-5-501.1	periodic initially and upon change of service	Records
throughput	BAAQMD Condition 22963, Part 2a	Y		S98: 3.723 E 6 bbl for period October through March	BAAQMD 8-5-501.1	periodic initially and upon change of service	Records
throughput	BAAQMD Condition 22963, Part 2b	Y		S98: 3.723 E 6 bbl for period April through September	BAAQMD 8-5-501.1	periodic initially and upon change of service	Records
throughput	BAAQMD Condition 22963, Part 2d	Y		S122: 2.0 E 6 bbl/yr	BAAQMD 8-5-501.1	periodic initially and upon change of service	Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – BB.11
Applicable Limits and Compliance Monitoring Requirements
MACT ZERO-GAP EXTERNAL FLOATING-ROOF TANKS
S97 (TANK 100), S98 (TANK 101), 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 22963, Part 2e	Y		S128: 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: $\leq$ 3.0 psia	BAAQMD 8-5-501.1	periodic initially and upon change of service	Records
Vapor pressure	BAAQMD Condition 22478, Part 2	Y		S124: $\leq$ 11.0 psia	BAAQMD 8-5-501.1	periodic initially and upon change of service	Records
Vapor pressure	BAAQMD Condition 22963, Part 1a			S98: < 11 psia for period October through March	BAAQMD 8-5-501.1	periodic initially and upon change of service	Records
Vapor pressure	BAAQMD Condition 22963, Part 1b			S98: < 8.5 psia for period April through September	BAAQMD 8-5-501.1	periodic initially and upon change of service	Records
Vapor pressure	BAAQMD Condition 22963, Part 1d			S122: < 11 psia	BAAQMD 8-5-501.1	periodic initially and upon change of service	Records
Vapor pressure	BAAQMD Condition 22963, Part 1e			S128: < 4.4 psia	BAAQMD 8-5-501.1	periodic initially and upon change of service	Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – BB.12
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.12
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
HAP	40 CFR 63.660 and subpart WW or subpart SS according to the provisions of 63.660	Y		Rim-seal standards, deck fitting standards, operational requirements, inspection and repair requirements		P/A or periodic each time emptied & degassed, at least every 10 years	visual inspection
	BAAQMD PERMIT CONDITIONS						
throughput	BAAQMD Condition 20989, Part A	Y		S343: 4.38 E 7 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 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
throughput	BAAQMD Condition 22478, Parts 4 and 7	Y		S334: 10 E 6 bbl/yr Crude oil or petroleum liquids below 3.0 psia	BAAQMD 8-5-501.1	periodic initially and upon change of service	Records
Throughput	BAAQMD Condition 26990 Part 1	Y		S341: 1,819,583 bbl/ consecutive 12-month period	BAAQMD Condition 26990 Part 3	P/M	Records
Throughput	BAAQMD Condition 26991 Part 1	Y		S342: 2,407,700 bbl/ consecutive 12-month period	BAAQMD Condition 26991 Part 3	P/M	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) 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.13a
Applicable Limits and Compliance Monitoring Requirements
MACT FIXED ROOF TANKS WITH VAPOR RECOVERY TO FUEL GAS
S139 (Tank 204), S140 (Tank 205), S168 (Tank 269),
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

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – BB.13a
Applicable Limits and Compliance Monitoring Requirements
MACT FIXED ROOF TANKS WITH VAPOR RECOVERY TO FUEL GAS
S139 (Tank 204), S140 (Tank 205), S168 (Tank 269), 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 8-5-303.1	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	
40 CFR 61 Subpart FF	**National Emission Standard for Benzene Waste Operations**						
VOC	40 CFR 61.343(a)(1)(i)(A)	Y		Tank operates with no detectable emissions as indicated by annual instrument monitoring of <500 ppm above background	40 CFR 61.343(a)(1)(i)(A)	P/A	Method 21 portable hydrocarbon detector

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – BB.13a
Applicable Limits and Compliance Monitoring Requirements
MACT FIXED ROOF TANKS WITH VAPOR RECOVERY TO FUEL GAS
S139 (Tank 204), S140 (Tank 205), S168 (Tank 269), 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	40 CFR 61.343(c)	Y		Each fixed roof, seal access door, and all other openings shall be checked by visual inspection initially and quarterly thereafter	40 CFR 61.343(c)	P/Q	visual inspection
VOC	40 CFR 61.349(a)	Y		Closed vent system operates with no detectable emissions as indicated by annual instrument monitoring of < 500 ppm above background	40 CFR 61.355(h)	P/A	Method 21 portable hydrocarbon detector
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		Applies to S182 only Requirement to vent working emissions to fuel gas system		N	
VOC	Condition #23724, part 4a	Y		Applies to S139 1.9 inches of water	Condition #23724, part 3	C	Pressure monitoring
VOC	Condition #23724, part 4a	Y		Applies to S140 1.9 inches of water	Condition #23724, part 3	C	Pressure monitoring
VOC	Condition #23724, part 4a	Y		Applies to S168 1.8 inches of water	Condition #23724, part 3	C	Pressure monitoring
VOC	Condition #23724, part 4a	Y		Applies to S182 1.8 inches of water	Condition #23724, part 3	C	Pressure monitoring

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – BB.13b
Applicable Limits and Compliance Monitoring Requirements
MACT FIXED ROOF TANKS WITH VAPOR RECOVERY TO FUEL GAS
S137 (Tank 202)

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.**						
	BAAQMD PERMIT CONDITIONS						
VOC	BAAQMD Condition 22518, Part 2	Y		Vapor pressure < 11 psia	BAAQMD 8-5-501.1	periodic initially and upon change of service	records
	Condition #23724, part 4a	Y		1.7 inches of water	Condition #23724, part 3	C	Pressure monitoring

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – BB.13b
Applicable Limits and Compliance Monitoring Requirements
MACT FIXED ROOF TANKS WITH VAPOR RECOVERY TO FUEL GAS
S137 (Tank 202)

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	Condition 22518, Part 3	Y		10 E 6 bbl/yr	BAAQMD 8-5-501.1	periodic initially and upon change of service	Records

Table VII – BB.14
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 & SIP 8-5-501.1	periodic initially and upon change of service	Records
VOC	BAAQMD 8-5-303.1	N		Pressure vacuum valve set to 90% of tank's maximum allowable working pressure or at least 0.5 psig	BAAQMD 8-5-501.4	P/initial	Records
VOC	SIP 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	SIP 8-5-403	P/SA	visual inspection
VOC	BAAQMD 8-5-303.2	N		Pressure vacuum valve sealing mechanism must be gas-tight: < 500 ppm	BAAQMD 8-5-403 8-5-403.1	P/SA	Method 21 portable hydrocarbon detector

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – BB.14
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
				OR	BAAQMD 8-5-403 8-5-403.1 8-5-411.3 (optional)	P/Q (optional)	Method 21 portable hydrocarbon detector
				Pressure vacuum valve sealing mechanism must be vented to abatement with 95% efficiency	BAAQMD 8-5-502.1	P/A	Source test (Not required if vented to fuel gas)
VOC	SIP 8-5-303.2	Y		Pressure vacuum valve must be gas-tight: < 500 ppm (as methane) above background	SIP 8-5-403 8-5-503 8-5-605	P/SA	Method 21 portable hydrocarbon detector
VOC	BAAQMD 8-5-304.6.1	N		Leaking pontoons gas tight requirements	BAAQMD 8-5-412	P/Q until repaired	Method 21 portable hydrocarbon detector
VOC	BAAQMD & SIP 8-5-320	Y		Floating roof fitting closure standards; includes gasketed covers	BAAQMD & SIP 8-5-401.2	P/SA	Measurement and visual inspection
VOC	BAAQMD & SIP 8-5-321	Y		Primary rim-seal standards; includes gap criteria	BAAQMD & SIP 8-5-401.1	P/SA and every time a seal is replaced	Seal inspection
VOC	BAAQMD & SIP 8-5-322	Y		Secondary rim-seal standards; includes gap criteria	BAAQMD & SIP 8-5-401.1	P/SA and every time a seal is replaced	Seal inspection
VOC	BAAQMD 8-5-328.1	N		Residual organic concentration of < 10,000 ppm as methane after degassing	BAAQMD 8-5-328.1	P/each time emptied & degassed; 4 consecutive measurements at 15 minute intervals	Method 21 portable hydrocarbon detector
VOC	SIP 8-5-328.1.2	Y		Concentration of < 10,000 ppm as methane after degassing	SIP 8-5-503	periodic each time emptied & degassed	Portable hydrocarbon detector

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – BB.14
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
	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 61 Subpart FF – NESHAPS for Benzene Waste Sources **40 CFR 60, Subpart Kb – NSPS for VOL Storage Vessels** **LIMITS AND MONITORING FOR EXTERNAL FLOATING ROOF TANKS**						
VOC	40 CFR 61.351 (a)(2), 60.112b (a)(2)(ii)	Y		Deck fitting closure standards; includes gasketed covers	40 CFR 60.113b (b)(6)	periodic initially & each time emptied & degassed	visual inspection
VOC	40 CFR 61.351 (a)(2), 60.113b (b)(4)(i)	Y		Primary rim-seal standards; includes gap criteria	40 CFR 60.113b (b)(1)-(b)(3)	periodic initially & at 5 yr intervals	measurement and visual inspection
VOC	40 CFR 61.351 (a)(2), 60.113b (b)(4)(ii)	Y		Secondary rim-seal standards; includes gap criteria	40 CFR 60.113b (b)(1)-(b)(3)	periodic initially & annually	measurement and visual inspection
VOC		Y		Seal inspection records for report in 60.115b(b)(2)	40 CFR 61.356(k), 60.115b(b)(3)	periodic For each gap measurement	Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – BB.14
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		Inspection report for seal gap measurements	40 CFR 61.357(f), 60.115b(b)(2)	periodic Within 60 days of seal gap measurement	Report
VOC		Y		Inspection report for non-compliant seals	40 CFR 61.357(f), 60.115b(b)(4)	periodic Within 30 days of seal inspection	Report
	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
HAP	40 CFR 63.660 and subpart WW or subpart SS according to the provisions of 63.660	Y		Rim-seal standards, deck fitting standards, operational requirements, inspection and repair requirements		P/A or periodic each time emptied & degassed, at least every 10 years	visual inspection
	BAAQMD PERMIT CONDITIONS						

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – BB.14
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
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.15
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 & SIP 8-5-501.1	periodic initially and upon change of service	Records
VOC	BAAQMD 8-5-304.6.1	N		Leaking pontoons gas tight requirements	BAAQMD 8-5-412	P/Q until repaired	Method 21 portable hydrocarbon detector
VOC	BAAQMD & SIP 8-5-320	Y		Floating roof fitting closure standards; includes gasketed covers	BAAQMD & SIP 8-5-401.2	P/SA	Measurement and visual inspection
VOC	BAAQMD & SIP 8-5-321	Y		Primary rim-seal standards; includes gap criteria	BAAQMD & SIP 8-5-401.1	P/SA and every time a seal is replaced	Seal inspection
VOC	BAAQMD & SIP 8-5-322	Y		Secondary rim-seal standards; includes gap criteria	BAAQMD & SIP 8-5-401.1	P/SA and every time a seal is replaced	Seal inspection
VOC	BAAQMD 8-5-328.1	N		Residual organic concentration of < 10,000 ppm as methane after degassing	BAAQMD 8-5-328.1	P/each time emptied & degassed; 4 consecutive measurements at 15 minute intervals	Method 21 portable hydrocarbon detector
VOC	SIP 8-5-328.1.2	Y		Concentration of < 10,000 ppm as methane after degassing	SIP 8-5-503	periodic each time emptied & degassed	Portable hydrocarbon detector
VOC		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.15
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
HAP	40 CFR 63.660 and subpart WW or subpart SS according to the provisions of 63.660	Y		Rim-seal standards, deck fitting standards, operational requirements, inspection and repair requirements		P/A or periodic each time emptied & degassed, at least every 10 years	visual inspection
	BAAQMD PERMIT CONDITIONS						
throughput	BAAQMD Condition 25223, Part 1	Y		10 E 6 bbl/yr	BAAQMD Condition 25223, Part 4	P/M	Records
VOC	BAAQMD Condition 25223, Part 2	Y		Vapor pressure < 3.0 psia	BAAQMD 8-5-501.1	periodic initially and upon change of service	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.16
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 & SIP 8-5-501.1	periodic initially and upon change of service	Records
VOC	BAAQMD 8-5-304.6.1	N		Leaking pontoons gas tight requirements	BAAQMD 8-5-412	P/Q until repaired	Method 21 portable hydrocarbon detector
VOC	BAAQMD & SIP 8-5-320	Y		Floating roof fitting closure standards; includes gasketed covers	BAAQMD & SIP 8-5-401.2	P/SA	Measurement and visual inspection
VOC	BAAQMD & SIP 8-5-321	Y		Primary rim-seal standards; includes gap criteria	BAAQMD & SIP 8-5-401.1	P/SA and every time a seal is replaced	Seal inspection
VOC	BAAQMD & SIP 8-5-322	Y		Secondary rim-seal standards; includes gap criteria	BAAQMD & SIP 8-5-401.1	P/SA and every time a seal is replaced	Seal inspection
VOC	BAAQMD 8-5-328.1	N		Residual organic concentration of < 10,000 ppm as methane after degassing	BAAQMD 8-5-328.1	P/each time emptied & degassed; 4 consecutive measurements at 15 minute intervals	Method 21 portable hydrocarbon detector
VOC	SIP 8-5-328.1.2	Y		Concentration of < 10,000 ppm as methane after degassing	SIP 8-5-503	periodic each time emptied & degassed	Portable hydrocarbon detector
VOC		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.16
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
HAP	40 CFR 63.660 and subpart WW or subpart SS according to the provisions of 63.660	Y		Rim-seal standards, deck fitting standards, operational requirements, inspection and repair requirements		P/A or periodic each time emptied & degassed, at least every 10 years	visual inspection

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – BB.16
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 PERMIT CONDITIONS						
throughput	BAAQMD Condition 20989, Part A	N		S113: 1.49 E 7 bbl/yr S125: 1.05 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
throughput	BAAQMD Condition 25478, Part 1	Y		S261: 5.476 E 6 bbl/yr Gas oil, naphtha, or distillate only	BAAQMD Condition 25478, part 3	P/M	Records

Table VII – BB.17
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 & SIP 8-5-501.1	periodic initially and upon change of service	Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – BB.17
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
VOC	BAAQMD 8-5-304.6.1	N		Leaking pontoons gas tight requirements	BAAQMD 8-5-412	P/Q until repaired	Method 21 portable hydrocarbon detector
VOC	BAAQMD & SIP 8-5-320	Y		Floating roof fitting closure standards; includes gasketed covers	BAAQMD & SIP 8-5-401.2	P/SA	Measurement and visual inspection
VOC	BAAQMD & SIP 8-5-321	Y		Primary rim-seal standards; includes gap criteria	BAAQMD & SIP 8-5-401.1	P/SA and every time a seal is replaced	Seal inspection
VOC	BAAQMD & SIP 8-5-322	Y		Secondary rim-seal standards; includes gap criteria	BAAQMD & SIP 8-5-401.1	P/SA and every time a seal is replaced	Seal inspection
VOC	BAAQMD 8-5-328.1	N		Residual organic concentration of < 10,000 ppm as methane after degassing	BAAQMD 8-5-328.1	P/each time emptied & degassed; 4 consecutive measurements at 15 minute intervals	Method 21 portable hydrocarbon detector
VOC	SIP 8-5-328.1.2	Y		Concentration of < 10,000 ppm as methane after degassing	SIP 8-5-503	periodic each time emptied & degassed	Portable hydrocarbon detector
VOC		Y		Records of tank seal replacement	BAAQMD 8-5-501.2	periodic after each tank seal replacement	records
	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

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – BB.17
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
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
HAP	40 CFR 63.660 and subpart WW or subpart SS according to the provisions of 63.660	Y		Rim-seal standards, deck fitting standards, operational requirements, inspection and repair requirements		P/A or periodic each time emptied & degassed, at least every 10 years	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.18
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	N		Pressure vacuum valve set to 90% of tank's maximum allowable working pressure or at least 0.5 psig	BAAQMD 8-5-501.4	P/initial	Records
VOC	BAAQMD 8-5-303.2	N		Pressure vacuum valve sealing mechanism must be gas-tight: < 500 ppm	BAAQMD 8-5-403 8-5-403.1	P/SA	Method 21 portable hydrocarbon detector
				OR	BAAQMD 8-5-403 8-5-403.1 8-5-411.3 (optional)	P/Q (optional)	Method 21 portable hydrocarbon detector
				Pressure vacuum valve sealing mechanism must be vented to abatement with 95% efficiency	BAAQMD 8-5-502.1	P/A	Source test (Not required if vented to fuel gas)
VOC	SIP 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	SIP 8-5-403	P/SA	visual inspection
VOC	SIP 8-5-303.2	Y		Pressure vacuum valve must be gas-tight: < 500 ppm (as methane) above background	SIP 8-5-403 8-5-503 8-5-605	P/SA	Method 21 portable hydrocarbon detector
VOC	BAAQMD 8-5-304.6.1	N		Leaking pontoons gas tight requirements	BAAQMD 8-5-412	P/Q until repaired	Method 21 portable hydrocarbon detector

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – BB.18
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	BAAQMD & SIP 8-5-320	Y		Floating roof fitting closure standards; includes gasketed covers	BAAQMD & SIP 8-5-401.2	P/SA	Measurement and visual inspection
VOC	BAAQMD & SIP 8-5-321	Y		Primary rim-seal standards; includes gap criteria	BAAQMD & SIP 8-5-401.1	P/SA and every time a seal is replaced	Seal inspection
VOC	BAAQMD & SIP 8-5-322	Y		Secondary rim-seal standards; includes gap criteria	BAAQMD & SIP 8-5-401.1	P/SA and every time a seal is replaced	Seal inspection
VOC	BAAQMD 8-5-328.1	N		Residual organic concentration of < 10,000 ppm as methane after degassing	BAAQMD 8-5-328.1	P/each time emptied & degassed; 4 consecutive measurements at 15 minute intervals	Method 21 portable hydrocarbon detector
VOC	SIP 8-5-328.1.2	Y		Concentration of < 10,000 ppm as methane after degassing	SIP 8-5-503	periodic each time emptied & degassed	Portable hydrocarbon detector
VOC		Y		Records of tank seal replacement	BAAQMD 8-5-501.2	periodic after each tank seal replacement	records
	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

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – BB.18
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
	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
HAP	40 CFR 63.660 and subpart WW or subpart SS according to the provisions of 63.660	Y		Rim-seal standards, deck fitting standards, operational requirements, inspection and repair requirements		P/A or periodic each time emptied & degassed, at least every 10 years	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.19
Applicable Limits and Compliance Monitoring Requirements
EXEMPT TANKS SUBJECT TO MACT RECORDKEEPING
S94 (TANK 78), S98 (TANK 101), S99 (TANK 102), S103 (TANK 106), S136 (TANK 201), S138 (TANK 203), S169 (TANK 270), S179 (TANK 291), S180 (TANK 292), S191 (TANK 303), S192 (TANK 304), S204 (TANK 528), S205 (TANK 529), S209 (TANK 674), S260 (TANK 1009), S262 (TANK 1011), S263 (TANK 1012), 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. Keep records of vessel dimensions, capacity, and identification of liquid stored.	40 CFR 63.655(i)(1)(iv) and 63.655(i)(1)(vi)	periodic initially and upon change in service	Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – BB.20
Applicable Limits and Compliance Monitoring Requirements
EXEMPT FIXED ROOF TANKS WITH VAPOR RECOVERY TO FUEL GAS
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.						
	BAAQMD PERMIT CONDITIONS						
	Condition #23724, part 4b	Y		1.3 inches of water	Condition #23724, part 3	C	Pressure monitoring

Table VII – BB.21A
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

[+] Sources S108, S109, and S127 currently contain low vapor pressure liquids, are exempt from BAAQMD

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – BB.21A
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						
	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. Keep records of vessel dimensions, capacity, and identification of liquid stored.	40 CFR 63.655(i)(1)(iv) and 63.655(i)(1)(vi)	periodic initially and upon change in service	Records

Table VII – BB.21B
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						

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 B21A shows the appropriate applicability for these tanks as MACT Group II tanks. Table B21B 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.

+ 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

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – BB.21B
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 8-5-301	Y		Record of liquids stored and true vapor pressure	BAAQMD & SIP 8-5-501.1	periodic initially and upon change of service	Records
VOC	BAAQMD 8-5-304.6.1	N		Leaking pontoons gas tight requirements	BAAQMD 8-5-412	P/Q until repaired	Method 21 portable hydrocarbon detector
VOC	BAAQMD & SIP 8-5-320	Y		Floating roof fitting closure standards; includes gasketed covers	BAAQMD & SIP 8-5-401.2	P/SA	Measurement and visual inspection
VOC	BAAQMD & SIP 8-5-321	Y		Primary rim-seal standards; includes gap criteria	BAAQMD & SIP 8-5-401.1	P/SA and every time a seal is replaced	Seal inspection
VOC	BAAQMD & SIP 8-5-322	Y		Secondary rim-seal standards; includes gap criteria	BAAQMD & SIP 8-5-401.1	P/SA and every time a seal is replaced	Seal inspection
VOC	BAAQMD 8-5-328.1	N		Residual organic concentration of < 10,000 ppm as methane after degassing	BAAQMD 8-5-328.1	P/each time emptied & degassed; 4 consecutive measurements at 15 minute intervals	Method 21 portable hydrocarbon detector
VOC	SIP 8-5-328.1.2	Y		Concentration of < 10,000 ppm as methane after degassing	SIP 8-5-503	periodic each time emptied & degassed	Portable hydrocarbon detector

may be operated as MACT Group I tanks in the future. Table B21A shows the appropriate applicability for these tanks as MACT Group II tanks. Table B21B 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.21B
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		Y		Records of tank seal replacement	BAAQMD 8-5-501.2	periodic after each tank seal replacement	Records
	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
HAP	40 CFR 63.660 and subpart WW or subpart SS according to the provisions of 63.660	Y		Rim-seal standards, deck fitting standards, operational requirements, inspection and repair requirements		P/A or periodic each time emptied & degassed, at least every 10 years	visual inspection

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – BB.22
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. Keep records of vessel dimensions, capacity, and identification of liquid stored.	63.655(i)(1)(iv) and 63.655(i)(1)(vi)	periodic initially and upon change in service	Records

Table VII – BB.23
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 & SIP 8-5-501.1	periodic initially and upon change of 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.23
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
VOC	BAAQMD 8-5-303.1	N		Pressure vacuum valve set to 90% of tank's maximum allowable working pressure or at least 0.5 psig	BAAQMD 8-5-501.4	P/initial	Records
VOC	BAAQMD 8-5-303.2	N		Pressure vacuum valve sealing mechanism must be gas-tight: < 500 ppm **OR**	BAAQMD 8-5-403 8-5-403.1	P/SA	Method 21 portable hydrocarbon detector
					BAAQMD 8-5-403 8-5-403.1 8-5-411.3 (optional)	P/Q (optional)	Method 21 portable hydrocarbon detector
				Pressure vacuum valve sealing mechanism must be vented to abatement with 95% efficiency	BAAQMD 8-5-502.1	P/A	Source test (Not required if vented to fuel gas)
VOC	SIP 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	SIP 8-5-403	P/SA	visual inspection
VOC	SIP 8-5-303.2	Y		Pressure vacuum valve must be gas-tight: < 500 ppm (as methane) above background	SIP 8-5-403 8-5-503 8-5-605	P/SA	Method 21 portable hydrocarbon detector
VOC	BAAQMD 8-5-307.3	N		Pressure relief devices on pressure tank must be gas tight (< 500 ppm as methane)	BAAQMD 8-5-403 8-5-403.2	P/SA	Method 21 Portable hydrocarbon detector
VOC	BAAQMD 8-5-307.3	N		Pressure relief devices on pressure tank must be gas tight (< 500 ppm as methane)	BAAQMD 8-5-403 8-5-403.2 8-5-411 (optional)	P/Q (optional)	Method 21 Portable hydrocarbon detector; enhanced monitoring

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – BB.23
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
VOC	SIP 8-5-307	Y		Pressure tank must be gas tight: < 100 ppm (as methane) above background	SIP 8-5-503 8-5-605	not specified	Method 21 portable hydrocarbon detector
VOC	BAAQMD 8-5-328.1	N		Residual organic concentration of < 10,000 ppm as methane after degassing	BAAQMD 8-5-328.1	P/each time emptied & degassed; 4 consecutive measurements at 15 minute intervals	Method 21 portable hydrocarbon detector
VOC	SIP 8-5-328.1.2	Y		Organic concentration in tank <10,000 ppm as methane after cleaning	SIP 8-5-503	periodic each time emptied & degassed	portable hydrocarbon detector
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.24
Applicable Limits and Compliance Monitoring Requirements
OLD MACT TANK < 5,000 GALLONS
S507 (TANK 21, FPLH RECOVERY TANK)

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
	BAAQMD Regulation 8, Rule 5 - Organic Compounds - STORAGE OF ORGANIC LIQUIDS LIMITS AND MONITORING						
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 8-5-605	P/SA	Method 21 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 EEEE – NESHAPS for Organic Liquid Distribution Exempt per 63.2343(a).**						
	BAAQMD PERMIT CONDITIONS						
Vapor pressure	BAAQMD Condition 24532, Part 1	Y		TVP < 11 psia	BAAQMD 8-5-501.1	periodic initially and upon change of service	records
POC	Condition 24532, Part 2	Y		Pressure vacuum valve set pressure at least 0.5 psig	BAAQMD 8-5-403	P/SA	visual inspection
POC	Condition 24532, Part 4	Y		POC 218 pounds per 12 consecutive months	Condition 24532 Part 1 and Part 3	P	Records and calculations
Throughput	Condition 24532, Part 3	Y		9,883 gal. per 12 consecutive months	Condition 24532, Part 5	P/M	Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – BB.25
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
	BAAQMD PERMIT CONDITIONS						
	Condition #23724, part 4b	Y		Applies to 235 2.2 inches of water	Condition #23724, part 3	C	Pressure monitoring
	Condition #23724, part 4b	Y		Applies to 236 2.2 inches of water	Condition #23724, part 3	C	Pressure monitoring

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – BB.26
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 RECORDKEEPING ONLY**						
HAP	40 CFR 63.641	Y		Retain weight percent total organic HAP in stored liquid for Group 2 determination. Keep records of vessel dimensions, capacity, and identification of liquid stored.	40 CFR 63.655(i)(1)(iv) and 63.655(i)(1)(vi)	periodic initially and upon change in service	Records
	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.27
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 63, Subpart CC – National Emission Standards for Hazardous Air Pollutants for Petroleum Refineries RECORDKEEPING ONLY						
HAP	40 CFR 63.641	Y		Retain weight percent total organic HAP in stored liquid for Group 2 determination. Keep records of vessel dimensions, capacity, and identification of liquid stored.	40 CFR 63.655(i)(1)(iv) and 63.655(i)(1)(vi)	periodic initially and upon change in service	Records

Table VII – BB.28
Applicable Limits and Compliance Monitoring Requirements
EXEMPT EXTERNAL FLOATING ROOF WASTEWATER TANK
TANK 206

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 6-1-301	N		Ringelmann No. 1 for no more than 3 minutes/hour	None	N	None
Opacity	SIP Regulation 6-301	Y		Ringelmann No. 1 for no more than 3 minutes/hour	None	N	None
FP	BAAQMD 6-1-310	N		0.15 grain/dscf	None	N	None
FP	SIP 6-310	Y		0.15 grain/dscf	None	N	None
	BAAQMD 6-1-311	N		40 lb/hr	None	N	None
	SIP 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 Regulation 11-10-304 and 11-10-305	S457/S458: P/1 time per week All others: P/daily	leak monitoring
	BAAQMD 8-2-301	Y		300 ppm as carbon and 15 lb organic compounds/day	BAAQMD Condition 22121, part 6	P,	Estimate of daily VOC loss
Total hydrocarb ons	BAAQMD Regulation 11-10-304.1	N		84 ppbw (as methane) as measured in cooling water prior to exposure to air for existing units	BAAQMD 11-10-504	1 per calendar day	Records of results

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
	BAAQMD Regulation 11-10-304.2	N		6 ppmv (as methane) as measured in stripped air	BAAQMD 11-10-504	4 per hour	Records of results
	BAAQMD Regulation 11-10-304.3	N		6 ppmv (as methane) as measured in stripped air	BAAQMD 11-10-504	N	Records of results

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 6-1-301	N		Ringelmann No. 1 for no more than 3 minutes/hour	None	N	None
Opacity	SIP Regulation 6-301	Y		Ringelmann No. 1 for no more than 3 minutes/hour	None	N	None
FP	BAAQMD 6-1-310	N		0.15 grain/dscf	None	N	None
FP	SIP 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 Regulation 11-10-304 and 11-10-305	P/Every 14 days	Leak monitoring

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
Total hydrocarbons	BAAQMD Regulation 11-10-304.1	N		84 ppbw (as methane) as measured in cooling water prior to exposure to air for existing units	BAAQMD 11-10-504	1 per calendar day	Records of results
	BAAQMD Regulation 11-10-304.2	N		6 ppmv (as methane) as measured in stripped air	BAAQMD 11-10-504	4 per hour	Records of results
	BAAQMD Regulation 11-10-304.3	N		6 ppmv (as methane) as measured in stripped air	BAAQMD 11-10-504	N	Records of results

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		
6-1-301	Ringelmann No. 1 Limitation	Manual of Procedures, Volume I, Evaluation of Visible Emissions; EPA Method 9
6-1-303	Ringelmann No. 2 Limitation	Manual of Procedures, Volume I, Evaluation of Visible Emissions; EPA Method 9
6-1-304	Tube Cleaning	Manual of Procedures, Volume I, Evaluation of Visible Emissions
6-1-310	Particulate Weight Limitation	Manual of Procedures, Volume IV, ST-15, Particulates Sampling U.S. EPA Method 5
6-1-311	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
8-5-601	Reid Vapor Pressure	Manual of Procedures, Volumne III, Lab Method 13, Determination of the Reid Vapor Pressure of Petroleum Products
8-5-602	True Vapor Pressure	Manual of Procedures, Volumne III, Lab Method 28, Determination of Vapor Pressure of Organic Liquids from Storage Tanks
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.
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
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
9-9-301.1.3	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	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)

VIII. Test Methods

Table VIII
Test Methods

Applicable Requirement	Description of Requirement	Acceptable Test Methods
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
11-10-304	Total Hydrocarbon Leak Monitoring Requirement	Manual of Procedures
SIP Regulations		
6-301	Ringelmann No. 1 Limitation	Manual of Procedures, Volume I, Evaluation of Visible Emissions; EPA Method 9
6-303	Ringelmann No. 2 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
8-5-601	Reid Vapor Pressure	Manual of Procedures, Volumne III, Lab Method 13, Determination of the Reid Vapor Pressure of Petroleum Products
8-5-602	True Vapor Pressure	Manual of Procedures, Volumne III, Lab Method 28, Determination of Vapor Pressure of Organic Liquids from Storage Tanks
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
40 CFR 60, Subpart A	**New Source Performance Standards – General Provisions (12/23/71)**	

VIII. Test Methods

Table VIII
Test Methods

Applicable Requirement	Description of Requirement	Acceptable Test Methods
40 CFR 60, Subpart Db	**Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units (3/13/00)**	
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	40 CFR 60, Appendix B, Performance Specification 7 and Method 11 for Relative Accuracy
40 CFR 60 Subpart J, 60.104(a)(2)(i)	SO2 limit	EPA Method 6, Determination of sulfur dioxide emissions from stationary sources, or EPA Method 6c, Determination of Sulfur Dioxide Emissions From Stationary Sources (Instrumental Analyzer Procedure), and Method 3, Gas analysis for the determination of dry molecular weight, or Method 3A, Determination of Oxygen and Carbon Dioxide Concentrations in Emissions From Stationary Sources (Instrumental Analyzer Procedure), and Method 4, Determination of moisture content in stack gases, and Method 15, Determination of hydrogen sulfide, carbonyl sulfide, and carbon disulfide emissions from stationary sources
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
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

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Table VIII
Test Methods

Applicable Requirement	Description of Requirement	Acceptable Test Methods
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
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)

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Table VIII
Test Methods

Applicable Requirement	Description of Requirement	Acceptable Test Methods
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**	
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 61, Subpart FF		

VIII. Test Methods

Table VIII
Test Methods

Applicable Requirement	Description of Requirement	Acceptable Test Methods
61.343(a)(1)(i)(A)	No detectable emissions over 500 ppmv	40 CFR 60, Appendix A, Method 21 as specified in 40 CFR 61, Subpart FF 61.355(h)
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
63.654(c)	Identify leaks of total strippable volatile organic compounds (VOC) from each heat exchange system	Air Stripping Method (Modified El Paso Method) for Determination of Volatile Organic Compound Emissions from Water Sources" Revision Number One, dated January 2003, Sampling Procedures Manual, Appendix P: Cooling Tower Monitoring, prepared by Texas Commission on Environmental Quality, January 31, 2003 using a flame ionization detector (FID) analyzer for on-site determination as described in Section 6.1 of the Modified El Paso Method.
63.658	Conduct sampling along the facility property boundary	Methods 325A and 325B of appendix A of part 63 and paragraphs (b) through (k) of 63.658.
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"

VIII. Test Methods

Table VIII
Test Methods

Applicable Requirement	Description of Requirement	Acceptable Test Methods
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		
BAAQMD Condition 1440, Part 7b.i.1	Source test requirement for POC	Manual of Procedures, Volume IV, ST-7, Organic Compounds
BAAQMD Condition 1440, Part 7b.i.2	Source test requirement for POC	Manual of Procedures, Volume IV, ST-7, Organic Compounds
BAAQMD Condition 1440, Part 7b.i.3	Source test requirement for H2S	Manual of Procedures, Volume IV, ST-28, Hydrogen Sulfide, Integrated Sampling
BAAQMD Condition 1440, Part 7b.i.4	Source test requirement for H2S	Manual of Procedures, Volume IV, ST-28, Hydrogen Sulfide, Integrated Sampling
BAAQMD Condition 1440, Part 7b.i.5	Source test requirement for SO2	Manual of Procedures, Volume IV, ST-19A, Sulfur Dioxide, Continuous Sampling
Condition 4336, part 4	Leak test	EPA Method 21, Determination of Volatile Organic Compounds Leaks
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

VIII. Test Methods

Table VIII
Test Methods

Applicable Requirement	Description of Requirement	Acceptable Test Methods
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
BAAQMD Condition 22962, Part 2	PM10 Emission Rate	EPA Method 201, Determination of PM10 Emissions (Exhaust Gas Recycle Procedure), and EPA Method 202, Determination of Condensible Particulate Emissions From Stationary Sources (Found in 40 CFR 51, Appendix M)

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.

X. Revision History

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, Phillips 66 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. Phillips 66 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
Significant Revision (Application 22672)	
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	

X. Revision History

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	
Significant Revision (Application 10994)	October 31, 2008
Significant Revision (Applications 13427, 16941, 18744, 18747):	June 18, 2009
Minor Revision (Application 22024):	May 23, 2011
Minor Revision (Application 22568):	May 23, 2011
Major Facility Review Permit Renewal (Application 18231): (Also includes 14601, 14856, 14857, 14963, 15442, 17052, 19361, 19626, 20802, 21295, and 21343)	September 1, 2011
Minor Revisions (Applications 17466, 17632, 23293, 23726, 23984)	March 4, 2013
Administrative Amendments (Application 24530)	March 4, 2013
Minor Revision (Application 22906) Administrative Amendments (No application)	October 17, 2013
Minor Revision (Application 24692, 25621, 26021) Administrative Amendments (No application)	August 1, 2014
Major Facility Review Permit Renewal (Application # 27798) (Also includes Application # 21850, 22672, 26487, 27532, 27560)	January 25, 2018
Minor Revision (Application 27955)	December 27, 2018

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ACT
Federal Clean Air Act

APCO
Air Pollution Control Officer

API
American Petroleum Institute

ARB
Air Resources Board

BAAQMD
Bay Area Air Quality Management District

BACT
Best Available Control Technology

BARCT
Best Available Retrofit Control Technology

Basis
The underlying authority which allows the District to impose requirements.

C_5
An Organic chemical compound with five carbon atoms

C_6
An Organic chemical compound with six carbon atoms

CAA
The federal Clean Air Act

CAAQS
California Ambient Air Quality Standards

CAPCOA
California Air Pollution Control Officers Association

CEC
California Energy Commission

CEQA
California Environmental Quality Act

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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.

CFEP
Clean Fuel Expansion Project

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

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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.

GLM
Ground Level Monitor

grain
1/7000 of a pound

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.

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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.

ISOM
Isomerization plant

LFSO
Low sulfur fuel oil

LHV
Lower Heating Value. Similar to the higher heating value (see HHV) except that the water produced by the combustion is not condensed but retained as vapor at 60F.

Lighter
"Lightering" is a transfer operation during which liquid is pumped from an ocean-going tanker vessel to a smaller vessel such as a barge. Like any liquid transfer operation, lightering of organic liquids produces organic vapor emissions.

LNC
Light Neutral Hydrocracker

LNHF
Light Neutral Hydrofinisher

LPG
Liquid Petroleum Gas

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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

MSDS
Material Safety Data Sheet

MTBE
Methyl Tertiary Butyl Ether

NA
Not applicable

NAAQS
National Ambient Air Quality Standards

NESHAPs
National Emission Standards for Hazardous Air Pollutants. See in Parts 61 and 63.

NMHC
Non-methane Hydrocarbons

NMOC
Non-methane Organic Compounds (Same as NMHC)

NOx
Oxides of nitrogen.

NPOC
Non-precursor organic compounds

NSPS
Standards of Performance for New Stationary Sources. Federal standards for emissions from

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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.

OMMP
Operation, Maintenance and Monitoring Plan

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.

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RACT
Reasonably Available Control Technology

Regulated Organic Liquid
"Regulated organic liquids" are those liquids which require permits, or which are subject to some regulation, when processed at a liquid-handling operation. For example, for refinery marine terminals, regulated organic liquids are defined as "organic liquids" in Regulation 8, Rule 44.

RFG
Refinery Fuel Gas

RMG
Refinery Make Gas

SAM
Sulfuric Acid Mist

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.

SMM
Startup, shutdown, and malfunction

SMMP
Startup, shutdown, and malfunction plan

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

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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)

therm
100,000 British Thermal Units

Title V
Title V of the federal Clean Air Act. Requires a federally enforceable operating permit program for major and certain other facilities.

TKC
Taylor Kinetic Cracking

TOC
Total Organic Compounds (NMOC + Methane, Same as THC)

TPH
Total Petroleum Hydrocarbons

TRMP
Toxic Risk Management Plan

TRS
"Total reduced sulfur" is a measure of the amount of sulfur-containing compounds in a gas stream, typically a fuel gas stream, including, but not limited to, hydrogen sulfide. The TRS content of a fuel gas determines the concentration of SO2 that will be present in the combusted fuel gas, since sulfur compounds are converted to SO2 by the combustion process.

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TSP
Total Suspended Particulate

VE
Visible emissions

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